



Top discharge outdoor unit-heat pump

Data Book

MODEL NAME

38VT008~104S73HQSS

1-D-38VTHE-100820-EN-0

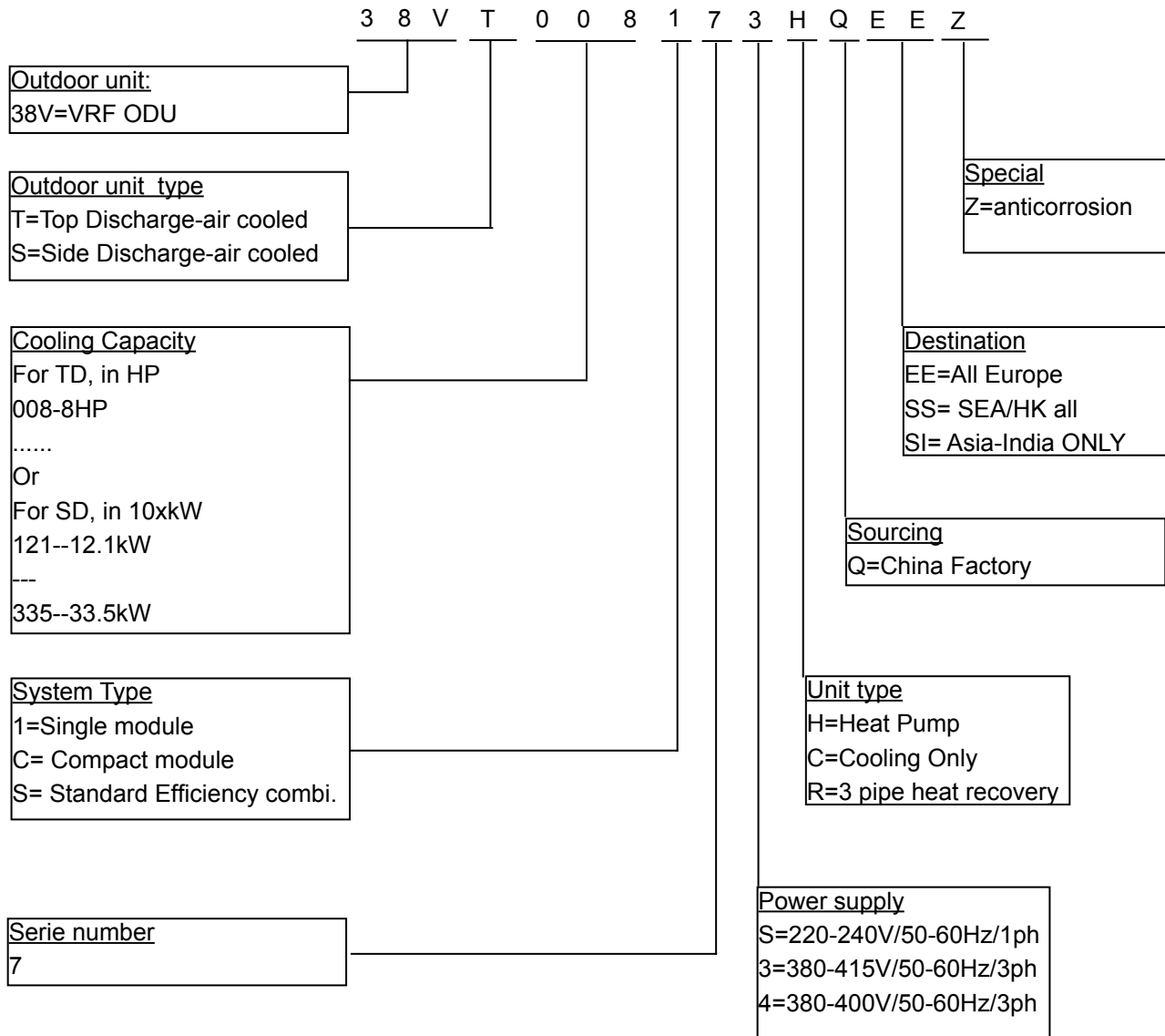


CONTENTS

1. General information	1
1.1 Model number nomenclature	1
1.2 Outdoor units Lineup	2
1.3 Indoor units Line up	3
2. Specification	6
3. Dimensions	81
4. Function Parts layout	83
5. Center of gravity	87
6. Refrigerant diagram	89
7. Wiring diagram	92
8. Capacity calculation due to capacity correction coefficient	97
9. Selection procedure	103
10. Operation range	104
11. Noise level	105
12. Refrigerant piping design	107
13. Branch pipe between outdoor units dimension	112
14. Refrigerant charge calculation	115
15. Capacity data and part load	116
15.1 Top side (380V) outdoor unit cooling capacity tables	116
15.2 Top Side (380V) outdoor unit heating capacity tables	263

1. General information

1.1 Model number nomenclature



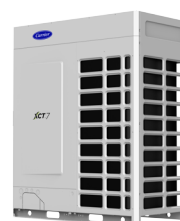
1.2 Outdoor units Lineup

Outdoor units

38VT008/10/12/14/16173HQSS



38VT018/20/22/24/26173HQSS



38VT028/30/32S73HQSS



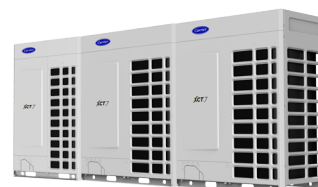
38VT034S73HQSS



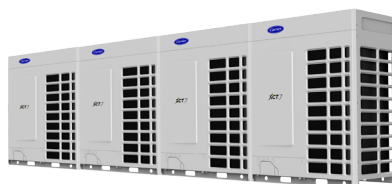
38VT036~52S73HQSS



38VT054~78S73HQSS



38VT080~104S73HQSS



1.3 Indoor units Line up

<p>4-WAY CASSETTE TYPE/40VPU016C7GQEE</p> <p>40VU005C-7G-QEE 40VU007C-7G-QEE 40VU009C-7G-QEE 40VU012C-7G-QEE 40VU016C-7G-QEE</p> <p>40VU018S-7G-QEE 40VU024S-7G-QEE 40VU028S-7G-QEE 40VU030S-7G-QEE 40VU038S-7G-QEE 40VU048S-7G-QEE</p> 	<p>Round -Way Cassette / 40VPU054R7EQEE</p> <p>40VU007R-7E-QEE 40VU009R-7E-QEE 40VU012R-7E-QEE 40VU016R-7E-QEE 40VU018R-7E-QEE 40VU024R-7E-QEE 40VU028R-7E-QEE 40VU030R-7E-QEE 40VU038R-7E-QEE 40VU048R-7E-QEE 40VU054R-7E-QEE</p> 
<p>Compact 4 -Way Cassette TYPE/40VPU018C7SQEE</p> <p>40VU005C-7S-QEE 40VU007C-7S-QEE 40VU009C-7S-QEE 40VU012C-7S-QEE 40VU016C-7S-QEE 40VU018C-7S-QEE</p> 	<p>ONE WAY CASSETTE TYPE/40VPU01217EQEE</p> <p>40VU0051-7E-QEE 40VU0071-7E-QEE 40VU0091-7E-QEE 40VU0121-7E-QEE</p> 
<p>2-WAY CASSETTE TYPE/ 40VPU01217EQEE</p> <p>40VU0072-7G-QEE 40VU0092-7G-QEE 40VU0122-7G-QEE 40VU0162-7G-QEE 40VU0182-7G-QEE</p> 	<p>Console recessed</p> <p>40VL007R-7G-QEE 40VL009R-7G-QEE 40VL012R-7G-QEE 40VL016R-7G-QEE 40VL018R-7G-QEE 40VL024R-7G-QEE</p> 
<p>Two-way Console</p> <p>40VL005B-7E-QEE 40VL007B-7E-QEE 40VL009B-7E-QEE 40VL012B-7E-QEE 40VL016B-7E-QEE 40VL018B-7E-QEE</p> 	

<p>Slim duct - DC</p> <p>40VD005L-7E-QEE 40VD007L-7E-QEE 40VD009L-7E-QEE 40VD012L-7E-QEE 40VD016L-7E-QEE 40VD018L-7E-QEE 40VD024L-7E-QEE</p> 	<p>Standard static duct- AC - (50-100Pa)</p> <p>40VD030S-7G-QEE 40VD038S-7G-QEE 40VD048S-7G-QEE 40VD054S-7G-QEE</p> 
<p>High static duct - DC - 0 to 200Pa</p> <p>40VD007H-7S-QEE 40VD009H-7S-QEE 40VD012H-7S-QEE 40VD015H-7S-QEE 40VD018H-7S-QEE 40VD024H-7S-QEE 40VD028H-7S-QEE 40VD030H-7S-QEE 40VD036H-7S-QEE 40VD048H-7S-QEE 40VD054H-7S-QEE</p> 	<p>High static duct - AC - 100/196Pa</p> <p>40VD018H-7G-QEE 40VD024H-7G-QEE 40VD028H-7G-QEE</p> <p>40VD030H-7G-QEE 40VD038H-7G-QEE 40VD048H-7G-QEE</p> <p>40VD072H-7G-QEE 40VD096H-7G-QEE</p> 
<p>Outside air unit</p> <p>40VD048A-7G-QEE 40VD072A-7G-QEE 40VD096A-7G-QEE</p> 	<p>Standard static duct- AC - (50-100Pa)</p> <p>40VD005S-7G-QEE 40VD007S-7G-QEE 40VD009S-7G-QEE 40VD012S-7G-QEE 40VD016S-7G-QEE 40VD018S-7G-QEE 40VD024S-7G-QEE 40VD028S-7G-QEE</p> 

FLEX CEILING FLOOR -DC

- 40VC009F-7S-QEE
- 40VC012F-7S-QEE
- 40VC016F-7S-QEE
- 40VC018F-7S-QEE
- 40VC024F-7S-QEE
- 40VC028F-7S-QEE
- 40VC030F-7S-QEE
- 40VC038F-7S-QEE
- 40VC048F-7S-QEE



FLEX CEILING FLOOR -AC

- 40VC009F-7G-QEE
- 40VC012F-7G-QEE
- 40VC016F-7G-QEE
- 40VC018F-7G-QEE
- 40VC024F-7G-QEE
- 40VC028F-7G-QEE
- 40VC030F-7G-QEE
- 40VC038F-7G-QEE
- 40VC048F-7G-QEE



Hi-wall indoor unit

- 40VK005S-7S-QEE
- 40VK007S-7S-QEE
- 40VK009S-7S-QEE
- 40VK012S-7S-QEE
- 40VK016S-7S-QEE
- 40VK018S-7S-QEE
- 40VK024S-7S-QEE

- 40VK028S-7S-QEE
- 40VK030S-7S-QEE



Heat Reclaim Ventilation

- 40VH015A-7G-QEE
- 40VH026A-7G-QEE
- 40VH050A-7G-QEE
- 40VH080A-7G-QEE
- 40VH100A-7G-QEE



2. Specification

Model			38VT008173HQSS	38VT010173HQSS
Combination			/	/
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	25.2	28.0
	Rated capacity	kBtu/h	85.98	95.54
	Rated power input	kW	5.60	6.80
	Max. power input	kW	10.08	11.56
	EER		4.50	4.12
	Rated current	A	9.45	11.48
	Max. current	A	16.2	18.5
Heating	Rated capacity	kW	27.0	31.5
	Rated capacity	kBtu/h	92.12	107.48
	Rated power input	kW	5.20	6.30
	Max. power input	kW	9.90	11.25
	COP		5.19	5.00
	Rated current	A	8.78	10.64
	Max. current	A	16.00	18.20
Capacity at low temperature	kW	21.00	25.60	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT	ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		1	1
	Capacity	W	21500	21500
	Power Input	W	6500	6500
	Rated current(RLA)	A	19.6	19.6
	Speed	rps	60	60
	Crankcase Heater	W	66	66
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500	1500	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D000001	ZWK924D000001
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		1	1
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1600	1600
	Output	W	1350	1350
	Rated current	A	5.2	5.2
	Capacitor	μF	/	/
	Speed	rpm	0~1090	0~1090



Model			38VT008173HQSS	38VT010173HQSS
Outdoor fan	Brand		Guo En	Guo En
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ700	Φ700
	Height	mm	204	204
Outdoor coil	Number of rows		2	2
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7
	Coil length x height	mm	2294*1260+2206*1260	2294*1260+2206*1260
Number of circuits		22	22	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard	IP24	IP24	
Casing color		Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		11000	11000
	cfm		6474	6474
External static pressure	Pa		110	110
Outdoor sound level(sound pressure level) (H)	dB(A)		56	56
Outdoor sound level(sound power level) (H)	dB(A)		67	67
Outdoor unit	Dimension(W*H*D)	mm	980*1690*750	980*1690*750
		inch	38 9/16*66 9/16*29 1/2	38 9/16*66 9/16*29 1/2
	Packing (W*H*D)	mm	1070*1838*850	1070*1838*850
		inch	42 1/8*72 3/8*33 7/16	42 1/8*72 3/8*33 7/16
	Net weight	kg	238	238
		lbs	525	525
Gross weight	kg	263	263	
	lbs	580	580	
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	8.5	8.5
		lbs	18.8	18.8
Throttle type		EXV	EXV	
Safety devices		High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa	4.15	4.15	

Model			38VT008173HQSS	38VT010173HQSS
Refrigerant piping	Liquid pipe	mm	9.52	9.52
		inch	3/8	3/8
	Gas pipe	mm	19.05	22.22
		inch	3/4	7/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	13	16
Connection wiring	Breaker size	A	20	25
	Min. circuit ampacity	A	16.2	18.5
	Power wiring	mm ²	4	4
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT012173HQSS	38VT014173HQSS
Combination			/	/
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	33.5	40.0
	Rated capacity	kBtu/h	114.30	136.48
	Rated power input	kW	8.40	10.90
	Max. power input	kW	13.80	16.40
	EER		3.99	3.67
	Rated current	A	14.18	18.40
	Max. current	A	23.3	27.7
Heating	Rated capacity	kW	37.5	45.0
	Rated capacity	kBtu/h	127.95	153.54
	Rated power input	kW	8.00	10.30
	Max. power input	kW	12.50	15.10
	COP		4.69	4.37
	Rated current	A	13.51	17.39
	Max. current	A	21.10	25.49
	Capacity at low temperature	kW	29.00	38.00
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT	ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		1	1
	Capacity	W	21500	21500
	Power Input	W	6500	6500
	Rated current(RLA)	A	19.6	19.6
	Speed	rps	60	60
	Crankcase Heater	W	66	66
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500	1500	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D000001	ZWK924D000001
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		1	1
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1600	1600
	Output	W	1350	1350
	Rated current	A	5.2	5.2
	Capacitor	μF	/	/
	Speed	rpm	0~1090	0~1090

Model			38VT012173HQSS	38VT014173HQSS
Outdoor fan	Brand		Guo En	Guo En
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ700	Φ700
	Height	mm	204	204
Outdoor coil	Number of rows		2	3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7
	Coil length x height	mm	2294*1260+2206*1260	2245*1260+2158*1260 +2065*1260
Number of circuits		22	30	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard		IP24	IP24
Casing color			Ivory white +gray	Ivory white +gray
Outdoor air flow (cooling / heating)	m3/h		12000	13500
	cfm		7063	7946
External static pressure	Pa		110	110
Outdoor sound level(sound pressure level) (H)	dB(A)		59	59
Outdoor sound level(sound power level) (H)	dB(A)		70	70
Outdoor unit	Dimension(W*H*D)	mm	980*1690*750	980*1690*750
		inch	38 9/16*66 9/16*29 1/2	38 9/16*66 9/16*29 1/2
	Packing (W*H*D)	mm	1070*1838*850	1070*1838*850
		inch	42 1/8*72 3/8*33 7/16	42 1/8*72 3/8*33 7/16
	Net weight	kg	238	258
		lbs	525	569
Gross weight	kg	263	283	
	lbs	580	624	
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	8.5	10.0
		lbs	18.8	22.1
Throttle type			EXV	EXV
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	
Design pressure	MPa		4.15	4.15



Model			38VT012173HQSS	38VT014173HQSS
Refrigerant piping	Liquid pipe	mm	12.70	12.70
		inch	1/2	1/2
	Gas pipe	mm	25.40	25.40
		inch	1	1
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	20	24
Connection wiring	Breaker size	A	32	40
	Min. circuit ampacity	A	23.3	27.7
	Power wiring	mm ²	4	6
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT016173HQSS	38VT018173HQSS
Combination			/	/
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	45.0	50.4
	Rated capacity	kBtu/h	153.54	171.96
	Rated power input	kW	11.80	14.30
	Max. power input	kW	19.20	21.40
	EER		3.81	3.52
	Rated current	A	19.92	24.14
	Max. current	A	32.4	36.1
Heating	Rated capacity	kW	50.0	56.5
	Rated capacity	kBtu/h	170.60	192.78
	Rated power input	kW	11.20	13.40
	Max. power input	kW	18.40	17.70
	COP		4.46	4.22
	Rated current	A	18.91	22.62
	Max. current	A	31.06	29.88
Capacity at low temperature	kW	41.50	43.70	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB78FVAMT	ANB87FVLMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		1	1
	Capacity	W	25400	28000
	Power Input	W	7640	8500
	Rated current(RLA)	A	26	30.5
	Speed	rps	60	60
	Crankcase Heater	W	66	66
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500	1500	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D000001	ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		1	2
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1600	1160*2
	Output	W	1350	900*2
	Rated current	A	5.2	4*2
	Capacitor	μF	/	/
Speed	rpm	0~1090	0~1180	



Model			38VT016173HQSS	38VT018173HQSS
Outdoor fan	Brand		Guo En	Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ700	Φ642
	Height	mm	204	198
Outdoor coil	Number of rows		3	2
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type		Inner groove tube	Inner groove tube
		mm	Φ7	Φ7
Coil length x height	mm	2245*1260+2158*1260 +2065*1260	2864*1260+2779*1260	
Number of circuits		30	22	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard	IP24	IP24	
Casing color		Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h	13500	17000	
	cfm	7946	10006	
External static pressure	Pa	110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)	60	61	
Outdoor sound level(sound power level) (H)	dB(A)	71	72	
Outdoor unit	Dimension(W*H*D)	mm	980*1690*750	1410*1690*750
		inch	38 9/16*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1070*1838*850	1515*1838*850
		inch	42 1/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16
	Net weight	kg	258	291
		lbs	569	642
Gross weight	kg	283	320	
	lbs	624	705	
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	10.0	10.0
		lbs	22.1	22.1
Throttle type		EXV	EXV	
Safety devices		High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa	4.15	4.15	

Model			38VT016173HQSS	38VT018173HQSS
Refrigerant piping	Liquid pipe	mm	12.70	15.88
		inch	1/2	5/8
	Gas pipe	mm	28.58	28.58
		inch	1 1/8	1 1/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	27	30
Connection wiring	Breaker size	A	40	50
	Min. circuit ampacity	A	32.4	36.1
	Power wiring	mm ²	10	10
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT020173HQSS	38VT022173HQSS
Combination			/	/
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	56.0	61.5
	Rated capacity	kBtu/h	191.07	209.84
	Rated power input	kW	15.10	16.50
	Max. power input	kW	25.10	28.50
	EER		3.71	3.73
	Rated current	A	25.49	27.86
	Max. current	A	42.4	48.1
Heating	Rated capacity	kW	61.5	69.0
	Rated capacity	kBtu/h	209.84	235.43
	Rated power input	kW	14.60	15.40
	Max. power input	kW	22.70	25.50
	COP		4.21	4.48
	Rated current	A	24.65	26.00
	Max. current	A	38.32	43.05
	Capacity at low temperature	kW	48.70	53.30
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB52FKQMT	ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		2	2
	Capacity	W	17200*2	21500*2
	Power Input	W	5250*2	6500*2
	Rated current(RLA)	A	18.5*2	19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2	66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2	1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002	ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		2	2
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2	1160*2
	Output	W	900*2	900*2
	Rated current	A	4*2	4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT020173HQSS	38VT022173HQSS
Outdoor fan	Brand		Tian Da	Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642	Φ642
	Height	mm	198	198
Outdoor coil	Number of rows		3	3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7
	Coil length x height	mm	2843*1260+2757*1260 +2669*1260	2843*1260+2757*1260 +2669*1260
Number of circuits		30	30	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard	IP24	IP24	
Casing color		Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		17000	18000
	cfm		10006	10594
External static pressure	Pa		110	110
Outdoor sound level(sound pressure level) (H)	dB(A)		61	61
Outdoor sound level(sound power level) (H)	dB(A)		72	72
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750	1410*1690*750
		inch	55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850	1515*1838*850
		inch	59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16
	Net weight	kg	374	374
		lbs	824	824
Gross weight	kg	403	403	
	lbs	888	888	
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	10.0	10.0
		lbs	22.1	22.1
Throttle type		EXV	EXV	
Safety devices		High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa	4.15	4.15	

Model			38VT020173HQSS	38VT022173HQSS
Refrigerant piping	Liquid pipe	mm	15.88	15.88
		inch	5/8	5/8
	Gas pipe	mm	28.58	28.58
		inch	1 1/8	1 1/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	33	36
Connection wiring	Breaker size	A	50	63
	Min. circuit ampacity	A	42.4	48.1
	Power wiring	mm ²	16	16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT024173HQSS	38VT026173HQSS
Combination			/	/
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	68.0	73.5
	Rated capacity	kBtu/h	232.02	250.78
	Rated power input	kW	17.60	18.80
	Max. power input	kW	29.10	33.00
	EER		3.86	3.91
	Rated current	A	29.71	31.74
	Max. current	A	49.1	55.8
Heating	Rated capacity	kW	73.0	82.5
	Rated capacity	kBtu/h	249.08	281.49
	Rated power input	kW	16.80	17.70
	Max. power input	kW	26.50	30.40
	COP		4.35	4.66
	Rated current	A	28.36	29.88
	Max. current	A	44.74	51.32
Capacity at low temperature	kW	56.40	67.00	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT	ANB78FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		2	2
	Capacity	W	21500*2	25400*2
	Power Input	W	6500*2	7640*2
	Rated current(RLA)	A	19.6*2	26*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2	66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2	1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002	ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		2	2
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2	1160*2
	Output	W	900*2	900*2
	Rated current	A	4*2	4*2
	Capacitor	μF	/	/
	Speed	rpm	0~1180	0~1180



Model			38VT024173HQSS	38VT026173HQSS
Outdoor fan	Brand		Tian Da	Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642	Φ642
	Height	mm	198	198
Outdoor coil	Number of rows		3	3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type		Inner groove tube	Inner groove tube
		mm	Φ7	Φ7
Coil length x height	mm	2843*1260+2757*1260 +2669*1260	2843*1260+2757*1260 +2669*1260	
Number of circuits		30	30	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard	IP24	IP24	
Casing color		Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h	18000	19000	
	cfm	10594	11183	
External static pressure	Pa	110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)	62	62	
Outdoor sound level(sound power level) (H)	dB(A)	73	73	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750	1410*1690*750
		inch	55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850	1515*1838*850
		inch	59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16
	Net weight	kg	374	374
		lbs	824	824
Gross weight	kg	403	403	
	lbs	888	888	
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	10.0	10.0
		lbs	22.1	22.1
Throttle type		EXV	EXV	
Safety devices		High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa	4.15	4.15	

Model			38VT024173HQSS	38VT026173HQSS
Refrigerant piping	Liquid pipe	mm	15.88	15.88
		inch	5/8	5/8
	Gas pipe	mm	28.58	28.58
		inch	1 1/8	1 1/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	40	43
Connection wiring	Breaker size	A	63	63
	Min. circuit ampacity	A	49.1	55.8
	Power wiring	mm ²	16	25
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT028S73HQSS	38VT030S73HQSS
Combination			14+14	14+16
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	80.0	85.0
	Rated capacity	kBtu/h	272.96	290.02
	Rated power input	kW	21.80	22.70
	Max. power input	kW	32.80	35.60
	EER		3.67	3.74
	Rated current	A	36.80	38.32
	Max. current	A	55.4	60.1
Heating	Rated capacity	kW	90.0	95.0
	Rated capacity	kBtu/h	307.08	324.14
	Rated power input	kW	20.60	21.50
	Max. power input	kW	30.20	33.50
	COP		4.37	4.42
	Rated current	A	34.78	36.30
	Max. current	A	50.98	56.55
Capacity at low temperature	kW	76.00	79.50	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT +ANB66FVAMT	ANB66FVAMT +ANB78FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		2	2
	Capacity	W	21500+21500	21500+25400
	Power Input	W	6500+6500	6500+7640
	Rated current(RLA)	A	19.6+19.6	19.6+26
	Speed	rps	60	60
	Crankcase Heater	W	66+66	66+66
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500+1500	1500+1500	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D000001 +ZWK924D000001	ZWK924D000001 +ZWK924D000001
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		2	2
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1600+1600	1600+1600
	Output	W	1350+1350	1350+1350
	Rated current	A	5.2+5.2	5.2+5.2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT028S73HQSS	38VT030S73HQSS	
Outdoor fan	Brand		Guo En+Guo En	Guo En+Guo En	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ700+Φ700	Φ700+Φ700	
	Height	mm	204+204	204+204	
Outdoor coil	Number of rows		3+3	3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type		Inner groove tube	Inner groove tube	
		mm	Φ7	Φ7	
	mm	/	/		
			30+30	30+30	
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard		IP24	IP24	
Casing color			Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		27000	27000	
	cfm		15892	15892	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		62	62.5	
Outdoor sound level(sound power level) (H)	dB(A)		73	73.5	
Outdoor unit	Dimension(W*H*D)	mm	980*1690*750 +980*1690*750	980*1690*750 +980*1690*750	
		inch	38 9/16*66 9/16*29 1/2+38 9/16*66 9/16*29 1/2	38 9/16*66 9/16*29 1/2+38 9/16*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1070*1838*850 +1070*1838*850	1070*1838*850 +1070*1838*850	
		inch	42 1/8*72 3/8*33 7/16 +42 1/8*72 3/8*33 7/16	42 1/8*72 3/8*33 7/16 +42 1/8*72 3/8*33 7/16	
	Net weight	kg		516	516
		lbs		1138	1138
	Gross weight	kg		566	566
		lbs		1248	1248
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		20.0	20.0
		lbs		44.1	44.1
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT028S73HQSS	38VT030S73HQSS
Refrigerant piping	Liquid pipe	mm	15.88	19.05
		inch	5/8	3/4
	Gas pipe	mm	28.58	31.8
		inch	1 1/8	1 1/4
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	47	50
Connection wiring	Breaker size	A	40+40	40+40
	Min. circuit ampacity	A	55.4	60.1
	Power wiring	mm ²	6+6	6+10
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT032S73HQSS	38VT034S73HQSS
Combination			16+16	16+18
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	90.0	95.4
	Rated capacity	kBtu/h	307.08	325.50
	Rated power input	kW	23.60	26.10
	Max. power input	kW	38.40	40.60
	EER		3.81	3.66
	Rated current	A	39.84	44.06
	Max. current	A	64.8	68.5
Heating	Rated capacity	kW	100.0	106.5
	Rated capacity	kBtu/h	341.20	363.38
	Rated power input	kW	22.40	24.60
	Max. power input	kW	36.80	36.10
	COP		4.46	4.33
	Rated current	A	37.82	41.53
	Max. current	A	62.13	60.94
Capacity at low temperature	kW	83.00	85.20	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB78FVAMT +ANB78FVAMT	ANB78FVAMT +ANB87FVLMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		2	2
	Capacity	W	25400+25400	25400+28000
	Power Input	W	7640+7640	7640+8500
	Rated current(RLA)	A	26+26	26+30.5
	Speed	rps	60	60
	Crankcase Heater	W	66+66	66+66
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500+1500	1500+1500	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D000001 +ZWK924D000001	ZWK924D000001 +ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		2	3
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1600+1600	1600+1160*2
	Output	W	1350+1350	1350+900*2
	Rated current	A	5.2+5.2	5.2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	



Model			38VT032S73HQSS	38VT034S73HQSS
Outdoor fan	Brand		Guo En+Guo En	Guo En+Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ700+Φ700	Φ700+Φ642
	Height	mm	204+204	204+198
Outdoor coil	Number of rows		3+3	3+2
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7
	Coil length x height	mm	/	/
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard		IP24	IP24
Casing color			Ivory white +gray	Ivory white +gray
Outdoor air flow (cooling / heating)	m3/h		27000	30500
	cfm		15892	17952
External static pressure	Pa		110	110
Outdoor sound level(sound pressure level) (H)	dB(A)		63	63.5
Outdoor sound level(sound power level) (H)	dB(A)		74	74.5
Outdoor unit	Dimension(W*H*D)	mm	980*1690*750 +980*1690*750	980*1690*750 +1410*1690*750
		inch	38 9/16*66 9/16*29 1/2+38 9/16*66 9/16*29 1/2	38 9/16*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1070*1838*850 +1070*1838*850	1070*1838*850 +1515*1838*850
		inch	42 1/8*72 3/8*33 7/16+42 1/8*72 3/8*33 7/16	42 1/8*72 3/8*33 7/16 +59 5/8*72 3/8*33 7/16
	Net weight	kg	516	549
		lbs	1138	1210
	Gross weight	kg	566	603
		lbs	1248	1329
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	20.0	20.0
		lbs	44.1	44.1
Throttle type			EXV	EXV
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	
Design pressure	MPa		4.15	4.15

Model			38VT032S73HQSS	38VT034S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	31.8	31.8
		inch	1 1/4	1 1/4
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	53	56
Connection wiring	Breaker size	A	40+40	40+50
	Min. circuit ampacity	A	64.8	68.5
	Power wiring	mm ²	10+10	10+10
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT036S73HQSS	38VT038S73HQSS
Combination			18+18	18+20
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	100.8	106.4
	Rated capacity	kBtu/h	343.93	363.04
	Rated power input	kW	28.60	29.40
	Max. power input	kW	42.80	46.50
	EER		3.52	3.62
	Rated current	A	48.28	49.63
	Max. current	A	72.3	78.5
Heating	Rated capacity	kW	113.0	118.0
	Rated capacity	kBtu/h	385.56	402.62
	Rated power input	kW	26.80	28.00
	Max. power input	kW	35.40	40.40
	COP		4.22	4.21
	Rated current	A	45.24	47.27
	Max. current	A	59.76	68.20
	Capacity at low temperature	kW	87.40	92.40
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB87FVLMT +ANB87FVLMT	ANB87FVLMT +ANB52FKQMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		2	3
	Capacity	W	28000+28000	28000+17200*2
	Power Input	W	8500+8500	8500+5250*2
	Rated current(RLA)	A	30.5+30.5	30.5+18.5*2
	Speed	rps	60	60
	Crankcase Heater	W	66+66	66+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500+1500	1500+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002 +ZWK924D500002	ZWK924D500002 +ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		4	4
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2	1160*2+1160*2
	Output	W	900*2+900*2	900*2+900*2
	Rated current	A	4*2+4*2	4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT036S73HQSS	38VT038S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da	Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642	Φ642+Φ642	
	Height	mm	198+198	198+198	
Outdoor coil	Number of rows		2+2	2+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type		Inner groove tube	Inner groove tube	
		mm	Φ7	Φ7	
Coil length x height	mm	/	/		
Number of circuits		22+22	22+30		
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard	IP24	IP24		
Casing color		Ivory white +gray	Ivory white +gray		
Outdoor air flow (cooling / heating)	m3/h		34000	34000	
	cfm		20012	20012	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		64	64	
Outdoor sound level(sound power level) (H)	dB(A)		75	75	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750 +1410*1690*750	1410*1690*750 +1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850 +1515*1838*850	1515*1838*850 +1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		582	665
		lbs		1283	1466
Gross weight	kg		640	723	
	lbs		1141	1594	
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		20.0	20.0
		lbs		44.1	44.1
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	



Model			38VT036S73HQSS	38VT038S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	38.1	38.1
		inch	1 1/2	1 1/2
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	59	63
Connection wiring	Breaker size	A	50+50	50+50
	Min. circuit ampacity	A	72.3	78.5
	Power wiring	mm ²	10+10	10+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT040S73HQSS	38VT042S73HQSS
Combination			20+20	20+22
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	112.0	117.5
	Rated capacity	kBtu/h	382.14	400.91
	Rated power input	kW	30.20	31.60
	Max. power input	kW	50.20	53.60
	EER		3.71	3.72
	Rated current	A	50.98	53.35
	Max. current	A	84.7	90.5
Heating	Rated capacity	kW	123.0	130.5
	Rated capacity	kBtu/h	419.68	445.27
	Rated power input	kW	29.20	30.00
	Max. power input	kW	45.40	48.20
	COP		4.21	4.35
	Rated current	A	49.30	50.65
	Max. current	A	76.64	81.37
Capacity at low temperature	kW	97.40	102.00	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB52FKQMT +ANB52FKQMT	ANB52FKQMT +ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		4	4
	Capacity	W	17200*2+17200*2	17200*2+21500*2
	Power Input	W	5250*2+5250*2	5250*2+6500*2
	Rated current(RLA)	A	18.5*2+18.5*2	18.5*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2	66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2	1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002 +ZWK924D500002	ZWK924D500002 +ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		4	4
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2	1160*2+1160*2
	Output	W	900*2+900*2	900*2+900*2
	Rated current	A	4*2+4*2	4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	



Model			38VT040S73HQSS	38VT042S73HQSS
Outdoor fan	Brand		Tian Da+Tian Da	Tian Da+Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642+Φ642	Φ642+Φ642
	Height	mm	198+198	198+198
Outdoor coil	Number of rows		3+3	3+3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type		Inner groove tube	Inner groove tube
		mm	Φ7	Φ7
Coil length x height	mm	/	/	
Number of circuits		30+30	30+30	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard	IP24	IP24	
Casing color		Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		34000	35000
	cfm		20012	20600
External static pressure	Pa		110	110
Outdoor sound level(sound pressure level) (H)	dB(A)		64	64
Outdoor sound level(sound power level) (H)	dB(A)		75	75
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750 +1410*1690*750	1410*1690*750 +1410*1690*750
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850 +1515*1838*850	1515*1838*850 +1515*1838*850
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16
	Net weight	kg	748	748
		lbs	1650	1650
	Gross weight	kg	806	806
		lbs	1777	1777
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	20.0	20.0
		lbs	44.1	44.1
Throttle type		EXV	EXV	
Safety devices		High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa	4.15	4.15	

Model			38VT040S73HQSS	38VT042S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	38.1	38.1
		inch	1 1/2	1 1/2
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	50+50	50+63
	Min. circuit ampacity	A	84.7	90.5
	Power wiring	mm ²	16+16	16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT044S73HQSS	38VT046S73HQSS
Combination			22+22	22+24
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	123.0	129.5
	Rated capacity	kBtu/h	419.68	441.85
	Rated power input	kW	33.00	34.10
	Max. power input	kW	57.00	57.60
	EER		3.73	3.80
	Rated current	A	55.71	57.57
	Max. current	A	96.2	97.2
Heating	Rated capacity	kW	138.0	142.0
	Rated capacity	kBtu/h	470.86	484.50
	Rated power input	kW	30.80	32.20
	Max. power input	kW	51.00	52.00
	COP		4.48	4.41
	Rated current	A	52.00	54.36
	Max. current	A	86.10	87.79
Capacity at low temperature	kW	106.60	109.70	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT +ANB66FVAMT	ANB66FVAMT +ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		4	4
	Capacity	W	21500*2+21500*2	21500*2+21500*2
	Power Input	W	6500*2+6500*2	6500*2+6500*2
	Rated current(RLA)	A	19.6*2+19.6*2	19.6*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2	66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2	1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002 +ZWK924D500002	ZWK924D500002 +ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		4	4
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2	1160*2+1160*2
	Output	W	900*2+900*2	900*2+900*2
	Rated current	A	4*2+4*2	4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT044S73HQSS	38VT046S73HQSS
Outdoor fan	Brand		Tian Da+Tian Da	Tian Da+Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642+Φ642	Φ642+Φ642
	Height	mm	198+198	198+198
Outdoor coil	Number of rows		3+3	3+3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7
	Coil length x height	mm	/	/
Cabinet coating	Number of circuits		30+30	30+30
	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class		Standard	IP24	IP24
Casing color			Ivory white +gray	Ivory white +gray
Outdoor air flow (cooling / heating)	m3/h		36000	36000
	cfm		21189	21189
External static pressure		Pa	110	110
Outdoor sound level(sound pressure level) (H)		dB(A)	64	64.5
Outdoor sound level(sound power level) (H)		dB(A)	75	75.5
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750 +1410*1690*750	1410*1690*750 +1410*1690*750
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850 +1515*1838*850	1515*1838*850 +1515*1838*850
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16
	Net weight	kg	748	748
		lbs	1650	1650
	Gross weight	kg	806	806
		lbs	1777	1777
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	20.0	20.0
		lbs	44.1	44.1
Throttle type			EXV	EXV
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	
Design pressure		MPa	4.15	4.15

Model			38VT044S73HQSS	38VT046S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	38.1	38.1
		inch	1 1/2	1 1/2
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63	63+63
	Min. circuit ampacity	A	96.2	97.2
	Power wiring	mm ²	16+16	16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT048S73HQSS	38VT050S73HQSS
Combination			24+24	24+26
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	136.0	141.5
	Rated capacity	kBtu/h	464.03	482.80
	Rated power input	kW	35.20	36.40
	Max. power input	kW	58.20	62.10
	EER		3.86	3.89
	Rated current	A	59.42	61.45
	Max. current	A	98.3	104.9
Heating	Rated capacity	kW	146.0	155.5
	Rated capacity	kBtu/h	498.15	530.57
	Rated power input	kW	33.60	34.50
	Max. power input	kW	53.00	56.90
	COP		4.35	4.51
	Rated current	A	56.72	58.24
	Max. current	A	89.48	96.06
Capacity at low temperature	kW	112.80	123.40	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT +ANB66FVAMT	ANB66FVAMT +ANB78FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		4	4
	Capacity	W	21500*2+21500*2	21500*2+25400*2
	Power Input	W	6500*2+6500*2	6500*2+7640*2
	Rated current(RLA)	A	19.6*2+19.6*2	19.6*2+26*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2	66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2	1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002 +ZWK924D500002	ZWK924D500002 +ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		4	4
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2	1160*2+1160*2
	Output	W	900*2+900*2	900*2+900*2
	Rated current	A	4*2+4*2	4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	



Model			38VT048S73HQSS	38VT050S73HQSS
Outdoor fan	Brand		Tian Da+Tian Da	Tian Da+Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642+Φ642	Φ642+Φ642
	Height	mm	198+198	198+198
Outdoor coil	Number of rows		3+3	3+3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type		Inner groove tube	Inner groove tube
		mm	Φ7	Φ7
Coil length x height	mm	/	/	
Number of circuits		30+30	30+30	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard		IP24	IP24
Casing color			Ivory white +gray	Ivory white +gray
Outdoor air flow (cooling / heating)	m3/h		36000	37000
	cfm		21189	21777
External static pressure	Pa		110	110
Outdoor sound level(sound pressure level) (H)	dB(A)		65	65
Outdoor sound level(sound power level) (H)	dB(A)		76	76
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750 +1410*1690*750	1410*1690*750 +1410*1690*750
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850 +1515*1838*850	1515*1838*850 +1515*1838*850
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16
	Net weight	kg	748	748
		lbs	1650	1650
	Gross weight	kg	806	806
		lbs	1777	1777
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	20.0	20.0
		lbs	44.1	44.1
Throttle type			EXV	EXV
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	
Design pressure	MPa		4.15	4.15

Model			38VT048S73HQSS	38VT050S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	38.1	38.1
		inch	1 1/2	1 1/2
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63	63+63
	Min. circuit ampacity	A	98.3	104.9
	Power wiring	mm ²	16+16	16+25
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT052S73HQSS	38VT054S73HQSS
Combination			26+26	18+18+18
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	147.0	151.2
	Rated capacity	kBtu/h	501.56	515.89
	Rated power input	kW	37.60	42.90
	Max. power input	kW	66.00	64.20
	EER		3.91	3.52
	Rated current	A	63.48	72.42
	Max. current	A	111.6	108.4
Heating	Rated capacity	kW	165.0	169.5
	Rated capacity	kBtu/h	562.98	578.33
	Rated power input	kW	35.40	40.20
	Max. power input	kW	60.80	53.10
	COP		4.66	4.22
	Rated current	A	59.76	67.87
	Max. current	A	102.64	89.64
Capacity at low temperature	kW	134.00	131.10	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB78FVAMT +ANB78FVAMT	ANB87FVLMT+ANB87FVLMT +ANB87FVLMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		4	3
	Capacity	W	25400*2+25400*2	28000+28000+28000
	Power Input	W	7640*2+7640*2	8500+8500+8500
	Rated current(RLA)	A	26*2+26*2	30.5+30.5+30.5
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2	66+66+66
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2	1500+1500+1500	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002 +ZWK924D500002	ZWK924D500002+ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		4	6
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2	1160*2+1160*2 +1160*2
	Output	W	900*2+900*2	900*2+900*2+900*2
	Rated current	A	4*2+4*2	4*2+4*2+4*2
	Capacitor	μF	/	/
	Speed	rpm	0~1180	0~1180

Model			38VT052S73HQSS	38VT054S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da	Tian Da+Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642	Φ642+Φ642+Φ642	
	Height	mm	198+198	198+198+198	
Outdoor coil	Number of rows		3+3	2+2+2	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7	
	Coil length x height	mm	/	/	
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard		IP24	IP24	
Casing color			Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		38000	51000	
	cfm		22366	30018	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		65	65.8	
Outdoor sound level(sound power level) (H)	dB(A)		76	76.5	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750 +1410*1690*750	1410*1690*750+1410*1690 *750+1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850 +1515*1838*850	1515*1838*850+1515*1838 *850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		748	873
		lbs		1650	1925
Gross weight	kg		806	960	
	lbs		1777	2116	
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		20.0	30.0
		lbs		44.1	66.2
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT052S73HQSS	38VT054S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	38.1	38.1
		inch	1 1/2	1 1/2
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63	50+50+50
	Min. circuit ampacity	A	111.6	108.4
	Power wiring	mm ²	25+25	10+10+10
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT056S73HQSS	38VT058S73HQSS
Combination			18+18+20	18+20+20
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	156.8	162.4
	Rated capacity	kBtu/h	535.00	554.11
	Rated power input	kW	43.70	44.50
	Max. power input	kW	67.90	71.60
	EER		3.59	3.65
	Rated current	A	73.77	75.13
	Max. current	A	114.6	120.9
Heating	Rated capacity	kW	174.5	179.5
	Rated capacity	kBtu/h	595.39	612.45
	Rated power input	kW	41.40	42.60
	Max. power input	kW	58.10	63.10
	COP		4.21	4.21
	Rated current	A	69.89	71.92
	Max. current	A	98.08	106.53
Capacity at low temperature	kW	136.10	141.10	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB87FVLMT+ANB87FVLMT+ANB52FKQMT	ANB87FVLMT+ANB52FKQMT+ANB52FKQMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		4	5
	Capacity	W	28000+28000+17200*2	28000+17200*2+17200*2
	Power Input	W	8500+8500+5250*2	8500+5250*2+5250*2
	Rated current(RLA)	A	30.5+30.5+18.5*2	30.5+18.5*2+18.5*2
	Speed	rps	60	60
	Crankcase Heater	W	66+66+66*2	66+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500+1500+1500*2	1500+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		6	6
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2	1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2	900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2	4*2+4*2+4*2
	Capacitor	μF	/	/
	Speed	rpm	0~1180	0~1180



Model			38VT056S73HQSS	38VT058S73HQSS
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642+Φ642+Φ642	Φ642+Φ642+Φ642
	Height	mm	198+198+198	198+198+198
Outdoor coil	Number of rows		2+2+3	2+3+3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type		Inner groove tube	Inner groove tube
		mm	Φ7	Φ7
Coil length x height	mm	/	/	
Number of circuits		22+22+30	22+30+30	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard	IP24	IP24	
Casing color		Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h	51000	51000	
	cfm	30018	30018	
External static pressure	Pa	110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)	65.8	65.8	
Outdoor sound level(sound power level) (H)	dB(A)	76.5	76.5	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16
	Net weight	kg	956	1039
		lbs	2108	2291
	Gross weight	kg	1043	1126
		lbs	2299	2482
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	30.0	30.0
		lbs	66.2	66.2
Throttle type		EXV	EXV	
Safety devices		High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa	4.15	4.15	

Model			38VT056S73HQSS	38VT058S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	38.1	41.3
		inch	1 1/2	1 5/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	50+50+50	50+50+50
	Min. circuit ampacity	A	114.6	120.9
	Power wiring	mm ²	10+10+16	10+16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT060S73HQSS	38VT062S73HQSS
Combination			20+20+20	20+20+22
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	168.0	173.5
	Rated capacity	kBtu/h	573.22	591.98
	Rated power input	kW	45.30	46.70
	Max. power input	kW	75.30	78.70
	EER		3.71	3.72
	Rated current	A	76.48	78.84
	Max. current	A	127.1	132.9
Heating	Rated capacity	kW	184.5	192.0
	Rated capacity	kBtu/h	629.51	655.10
	Rated power input	kW	43.80	44.60
	Max. power input	kW	68.10	70.90
	COP		4.21	4.30
	Rated current	A	73.94	75.29
	Max. current	A	114.97	119.69
Capacity at low temperature	kW	146.10	150.70	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB52FKQMT+ANB52FKQMT+ANB52FKQMT	ANB52FKQMT+ANB52FKQMT+ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		6	6
	Capacity	W	17200*2+17200*2+17200*2	17200*2+17200*2+21500*2
	Power Input	W	5250*2+5250*2+5250*2	5250*2+5250*2+6500*2
	Rated current(RLA)	A	18.5*2+18.5*2+18.5*2	18.5*2+18.5*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2	66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2	1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		6	6
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2	1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2	900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2	4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT060S73HQSS	38VT062S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642+Φ642	Φ642+Φ642+Φ642	
	Height	mm	198+198+198	198+198+198	
Outdoor coil	Number of rows		3+3+3	3+3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type		Inner groove tube	Inner groove tube	
		mm	Φ7	Φ7	
	Coil length x height	mm	/	/	
Number of circuits		30+30+30	30+30+30		
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard	IP24	IP24		
Casing color		Ivory white +gray	Ivory white +gray		
Outdoor air flow (cooling / heating)	m3/h		51000	52000	
	cfm		30018	30606	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		65.8	65.8	
Outdoor sound level(sound power level) (H)	dB(A)		76.5	76.5	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		1122	1122
		lbs		2474	2474
	Gross weight	kg		1209	1209
		lbs		2665	2665
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		30.0	30.0
		lbs		66.2	66.2
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT060S73HQSS	38VT062S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	41.3	41.3
		inch	1 5/8	1 5/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	50+50+50	50+50+63
	Min. circuit ampacity	A	127.1	132.9
	Power wiring	mm ²	16+16+16	16+16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT064S73HQSS	38VT066S73HQSS
Combination			20+22+22	22+22+22
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	179.0	184.5
	Rated capacity	kBtu/h	610.75	629.51
	Rated power input	kW	48.10	49.50
	Max. power input	kW	82.10	85.50
	EER		3.72	3.73
	Rated current	A	81.20	83.57
	Max. current	A	138.6	144.3
Heating	Rated capacity	kW	199.5	207.0
	Rated capacity	kBtu/h	680.69	706.28
	Rated power input	kW	45.40	46.20
	Max. power input	kW	73.70	76.50
	COP		4.39	4.48
	Rated current	A	76.64	78.00
	Max. current	A	124.42	129.15
Capacity at low temperature	kW	155.30	159.90	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB52FKQMT+ANB66FVAMT+ANB66FVAMT	ANB66FVAMT+ANB66FVAMT+ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		6	6
	Capacity	W	17200*2+21500*2+21500*2	21500*2+21500*2+21500*2
	Power Input	W	5250*2+6500*2+6500*2	6500*2+6500*2+6500*2
	Rated current(RLA)	A	18.5*2+19.6*2+19.6*2	19.6*2+19.6*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2	66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2	1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		6	6
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2	1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2	900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2	4*2+4*2+4*2
	Capacitor	μF	/	/
	Speed	rpm	0~1180	0~1180



Model			38VT064S73HQSS	38VT066S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642+Φ642	Φ642+Φ642+Φ642	
	Height	mm	198+198+198	198+198+198	
Outdoor coil	Number of rows		3+3+3	3+3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type		Inner groove tube	Inner groove tube	
		mm	Φ7	Φ7	
Coil length x height	mm	/	/		
Number of circuits		30+30+30	30+30+30		
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard	IP24	IP24		
Casing color		Ivory white +gray	Ivory white +gray		
Outdoor air flow (cooling / heating)	m3/h		53000	54000	
	cfm		31195	31783	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		65.8	65.8	
Outdoor sound level(sound power level) (H)	dB(A)		76.5	76.5	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		1122	1122
		lbs		2474	2474
	Gross weight	kg		1209	1209
		lbs		2665	2665
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		30.0	30.0
		lbs		66.2	66.2
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT064S73HQSS	38VT066S73HQSS
Refrigerant piping	Liquid pipe	mm	19.05	19.05
		inch	3/4	3/4
	Gas pipe	mm	41.3	41.3
		inch	1 5/8	1 5/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
		ft	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)
	Max. Diff. indoor/ indoor unit*1	m	30	30
ft		98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	50+63+63	63+63+63
	Min. circuit ampacity	A	138.6	144.3
	Power wiring	mm ²	16+16+16	16+16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT068S73HQSS	38VT070S73HQSS
Combination			22+22+24	22+24+24
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	191.0	197.5
	Rated capacity	kBtu/h	651.69	673.87
	Rated power input	kW	50.60	51.70
	Max. power input	kW	86.10	86.70
	EER		3.77	3.82
	Rated current	A	85.42	87.28
	Max. current	A	145.4	146.4
Heating	Rated capacity	kW	211.0	215.0
	Rated capacity	kBtu/h	719.93	733.58
	Rated power input	kW	47.60	49.00
	Max. power input	kW	77.50	78.50
	COP		4.43	4.39
	Rated current	A	80.36	82.72
	Max. current	A	130.84	132.52
Capacity at low temperature	kW	163.00	166.10	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT+ANB66FVAMT+ANB66FVAMT	ANB66FVAMT+ANB66FVAMT+ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		6	6
	Capacity	W	21500*2+21500*2+21500*2	21500*2+21500*2+21500*2
	Power Input	W	6500*2+6500*2+6500*2	6500*2+6500*2+6500*2
	Rated current(RLA)	A	19.6*2+19.6*2+19.6*2	19.6*2+19.6*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2	66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2	1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		6	6
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2	1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2	900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2	4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT068S73HQSS	38VT070S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642+Φ642	Φ642+Φ642+Φ642	
	Height	mm	198+198+198	198+198+198	
Outdoor coil	Number of rows		3+3+3	3+3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type		Inner groove tube	Inner groove tube	
		mm	Φ7	Φ7	
Coil length x height	mm	/	/		
Number of circuits		30+30+30	30+30+30		
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard	IP24	IP24		
Casing color		Ivory white +gray	Ivory white +gray		
Outdoor air flow (cooling / heating)	m3/h		54000	54000	
	cfm		31783	31783	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		66	66.5	
Outdoor sound level(sound power level) (H)	dB(A)		77	77.5	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		1122	1122
		lbs		2474	2474
	Gross weight	kg		1209	1209
		lbs		2665	2665
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		30.0	30.0
		lbs		66.2	66.2
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT068S73HQSS	38VT070S73HQSS
Refrigerant piping	Liquid pipe	mm	22.2	22.2
		inch	7/8	7/8
	Gas pipe	mm	44.5	44.5
		inch	1 3/4	1 3/4
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63+63	63+63+63
	Min. circuit ampacity	A	145.4	146.4
	Power wiring	mm ²	16+16+16	16+16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT072S73HQSS	38VT074S73HQSS
Combination			24+24+24	24+24+26
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	204.0	209.5
	Rated capacity	kBtu/h	696.05	714.81
	Rated power input	kW	52.80	54.00
	Max. power input	kW	87.30	91.20
	EER		3.86	3.88
	Rated current	A	89.14	91.16
	Max. current	A	147.4	154.1
Heating	Rated capacity	kW	219.0	228.5
	Rated capacity	kBtu/h	747.23	779.64
	Rated power input	kW	50.40	51.30
	Max. power input	kW	79.50	83.40
	COP		4.35	4.45
	Rated current	A	85.09	86.61
	Max. current	A	134.21	140.80
Capacity at low temperature	kW	169.20	179.80	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT+ANB66FVAMT+ANB66FVAMT	ANB66FVAMT+ANB66FVAMT+ANB78FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		6	6
	Capacity	W	21500*2+21500*2+21500*2	21500*2+21500*2+25400*2
	Power Input	W	6500*2+6500*2+6500*2	6500*2+6500*2+7640*2
	Rated current(RLA)	A	19.6*2+19.6*2+19.6*2	19.6*2+19.6*2+26*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2	66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2	1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		6	6
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2	1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2	900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2	4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	



Model			38VT072S73HQSS	38VT074S73HQSS
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642+Φ642+Φ642	Φ642+Φ642+Φ642
	Height	mm	198+198+198	198+198+198
Outdoor coil	Number of rows		3+3+3	3+3+3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type		Inner groove tube	Inner groove tube
		mm	Φ7	Φ7
	Coil length x height	mm	/	/
Number of circuits		30+30+30	30+30+30	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class		Standard	IP24	IP24
Casing color			Ivory white +gray	Ivory white +gray
Outdoor air flow (cooling / heating)	m3/h		54000	55000
	cfm		31783	32372
External static pressure		Pa	110	110
Outdoor sound level(sound pressure level) (H)		dB(A)	66.8	66.8
Outdoor sound level(sound power level) (H)		dB(A)	77.8	77.8
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16
	Net weight	kg	1122	1122
		lbs	2474	2474
	Gross weight	kg	1209	1209
		lbs	2665	2665
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	30.0	30.0
		lbs	66.2	66.2
Throttle type			EXV	EXV
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	
Design pressure		MPa	4.15	4.15

Model			38VT072S73HQSS	38VT074S73HQSS
Refrigerant piping	Liquid pipe	mm	22.2	22.2
		inch	7/8	7/8
	Gas pipe	mm	44.5	44.5
		inch	1 3/4	1 3/4
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63+63	63+63+63
	Min. circuit ampacity	A	147.4	154.1
	Power wiring	mm ²	16+16+16	16+16+25
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT076S73HQSS	38VT078S73HQSS
Combination			24+26+26	26+26+26
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	215.0	220.5
	Rated capacity	kBtu/h	733.58	752.35
	Rated power input	kW	55.20	56.40
	Max. power input	kW	95.10	99.00
	EER		3.89	3.91
	Rated current	A	93.19	95.21
	Max. current	A	160.7	167.4
Heating	Rated capacity	kW	238.0	247.5
	Rated capacity	kBtu/h	812.06	844.47
	Rated power input	kW	52.20	53.10
	Max. power input	kW	87.30	91.20
	COP		4.56	4.66
	Rated current	A	88.12	89.64
	Max. current	A	147.38	153.96
Capacity at low temperature	kW	190.40	201.00	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT+ANB78FVAMT+ANB78FVAMT	ANB78FVAMT+ANB78FVAMT+ANB78FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		6	6
	Capacity	W	21500*2+25400*2+25400*2	25400*2+25400*2+25400*2
	Power Input	W	6500*2+7640*2+7640*2	7640*2+7640*2+7640*2
	Rated current(RLA)	A	19.6*2+26*2+26*2	26*2+26*2+26*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2	66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2	1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		6	6
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2	1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2	900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2	4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT076S73HQSS	38VT078S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642+Φ642	Φ642+Φ642+Φ642	
	Height	mm	198+198+198	198+198+198	
Outdoor coil	Number of rows		3+3+3	3+3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type	mm	Inner groove tube	Inner groove tube	
			Φ7	Φ7	
	Coil length x height	mm	/	/	
Number of circuits		30+30+30	30+30+30		
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard		IP24	IP24	
Casing color			Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		56000	57000	
	cfm		32960	33549	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		66.8	66.8	
Outdoor sound level(sound power level) (H)	dB(A)		77.8	77.7	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		1122	1122
		lbs		2474	2474
	Gross weight	kg		1209	1209
		lbs		2665	2665
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		30.0	30.0
		lbs		66.2	66.2
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT076S73HQSS	38VT078S73HQSS
Refrigerant piping	Liquid pipe	mm	22.2	22.2
		inch	7/8	7/8
	Gas pipe	mm	44.5	44.5
		inch	1 3/4	1 3/4
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
		ft	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)
	Max. Diff. indoor/ indoor unit*1	m	30	30
ft		98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63+63	63+63+63
	Min. circuit ampacity	A	160.7	167.4
	Power wiring	mm ²	16+25+25	25+25+25
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT080S73HQSS	38VT082S73HQSS
Combination			20+20+20+20	20+20+20+22
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	224.0	229.5
	Rated capacity	kBtu/h	764.29	783.05
	Rated power input	kW	60.40	61.80
	Max. power input	kW	100.40	103.80
	EER		3.71	3.71
	Rated current	A	101.97	104.33
	Max. current	A	169.5	175.2
Heating	Rated capacity	kW	246.0	253.5
	Rated capacity	kBtu/h	839.35	864.94
	Rated power input	kW	58.40	59.20
	Max. power input	kW	90.80	93.60
	COP		4.21	4.28
	Rated current	A	98.59	99.94
	Max. current	A	153.29	158.02
	Capacity at low temperature	kW	194.80	199.40
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB52FKQMT+ANB52FKQMT+ANB52FKQMT+ANB52FKQMT	ANB52FKQMT+ANB52FKQMT+ANB52FKQMT+ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		8	8
	Capacity	W	17200*2+17200*2+17200*2+17200*2	17200*2+17200*2+17200*2+21500*2
	Power Input	W	5250*2+5250*2+5250*2+5250*2	5250*2+5250*2+5250*2+6500*2
	Rated current(RLA)	A	18.5*2+18.5*2+18.5*2+18.5*2	18.5*2+18.5*2+18.5*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2+66*2	66*2+66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2+1500*2	1500*2+1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002	
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		8	8
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2+1160*2	1160*2+1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2+900*2	900*2+900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2+4*2	4*2+4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	



Model			38VT080S73HQSS	38VT082S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da +Tian Da+Tian Da	Tian Da+Tian Da +Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642+Φ642+Φ642	Φ642+Φ642+Φ642+Φ642	
	Height	mm	198+198+198+198	198+198+198+198	
Outdoor coil	Number of rows		3+3+3+3	3+3+3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7	
	Coil length x height	mm	/	/	
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard		IP24	IP24	
Casing color			Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		68000	69000	
	cfm		40023	40612	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		67	67	
Outdoor sound level(sound power level) (H)	dB(A)		78	78	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750		
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2		
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		1496	1496
		lbs		3298	3298
Gross weight	kg		1612	1612	
	lbs		3554	3554	
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		40.0	
		lbs		88.3	88.3
Throttle type			EXV	EXV	
Safety devices			High pressure switch,Fan driver overload protector,Overcurrent fuse,Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT080S73HQSS	38VT082S73HQSS
Refrigerant piping	Liquid pipe	mm	22.2	22.2
		inch	7/8	7/8
	Gas pipe	mm	44.5	44.5
		inch	1 3/4	1 3/4
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	50+50+50+50	50+50+50+63
	Min. circuit ampacity	A	169.5	175.2
	Power wiring	mm ²	16+16+16+16	16+16+16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT084S73HQSS	38VT086S73HQSS
Combination			20+20+22+22	20+22+22+22
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	235.0	240.5
	Rated capacity	kBtu/h	801.82	820.59
	Rated power input	kW	63.20	64.60
	Max. power input	kW	107.20	110.60
	EER		3.72	3.72
	Rated current	A	106.69	109.06
	Max. current	A	181.0	186.7
Heating	Rated capacity	kW	261.0	268.5
	Rated capacity	kBtu/h	890.53	916.12
	Rated power input	kW	60.00	60.80
	Max. power input	kW	96.40	99.20
	COP		4.35	4.42
	Rated current	A	101.29	102.64
	Max. current	A	162.74	167.47
Capacity at low temperature	kW	204.00	208.60	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB52FKQMT+ANB52FKQMT+A NB66FVAMT+ANB66FVAMT	ANB52FKQMT+ANB66FVAMT+ ANB66FVAMT+ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		8	8
	Capacity	W	17200*2+17200*2 +21500*2+21500*2	17200*2+21500*2 +21500*2+21500*2
	Power Input	W	5250*2+5250*2+6500*2+6500*2	5250*2+6500*2+6500*2+6500*2
	Rated current(RLA)	A	18.5*2+18.5*2+19.6*2+19.6*2	18.5*2+19.6*2+19.6*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2+66*2	66*2+66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2+1500*2	1500*2+1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D50 0002+ZWK924D500002+ZWK92 4D500002	ZWK924D500002+ZWK924D50 0002+ZWK924D500002+ZWK92 4D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		8	8
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2+1160*2	1160*2+1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2+900*2	900*2+900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2+4*2	4*2+4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT084S73HQSS	38VT086S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642+Φ642+Φ642	Φ642+Φ642+Φ642+Φ642	
	Height	mm	198+198+198+198	198+198+198+198	
Outdoor coil	Number of rows		3+3+3+3	3+3+3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7	
	Coil length x height	mm	/	/	
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard		IP24	IP24	
Casing color			Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		70000	71000	
	cfm		41201	41789	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		67	67	
Outdoor sound level(sound power level) (H)	dB(A)		78	78	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750		
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2		
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		1496	1496
		lbs		3298	3298
Gross weight	kg		1612	1612	
	lbs		3554	3554	
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		40.0	
		lbs		88.3	88.3
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	



Model			38VT084S73HQSS	38VT086S73HQSS
Refrigerant piping	Liquid pipe	mm	22.2	25.4
		inch	7/8	1
	Gas pipe	mm	44.5	50.8
		inch	1 3/4	2
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	50+50+63+63	50+63+63+63
	Min. circuit ampacity	A	181.0	186.7
	Power wiring	mm ²	16+16+16+16	16+16+16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT088S73HQSS	38VT090S73HQSS
Combination			22+22+22+22	22+22+22+24
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	246.0	252.5
	Rated capacity	kBtu/h	839.35	861.53
	Rated power input	kW	66.00	67.10
	Max. power input	kW	114.00	114.60
	EER		3.73	3.76
	Rated current	A	111.42	113.28
	Max. current	A	192.5	193.5
Heating	Rated capacity	kW	276.0	280.0
	Rated capacity	kBtu/h	941.71	955.36
	Rated power input	kW	61.60	63.00
	Max. power input	kW	102.00	103.00
	COP		4.48	4.44
	Rated current	A	103.99	106.36
	Max. current	A	172.20	173.89
Capacity at low temperature	kW	213.20	216.30	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT+ANB66FVAMT+ANB66FVAMT+ANB66FVAMT	ANB66FVAMT+ANB66FVAMT+ANB66FVAMT+ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		8	8
	Capacity	W	21500*2+21500*2+21500*2+21500*2	21500*2+21500*2+21500*2+21500*2
	Power Input	W	6500*2+6500*2+6500*2+6500*2	6500*2+6500*2+6500*2+6500*2
	Rated current(RLA)	A	19.6*2+19.6*2+19.6*2+19.6*2	19.6*2+19.6*2+19.6*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2+66*2	66*2+66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2+1500*2	1500*2+1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		8	8
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2+1160*2	1160*2+1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2+900*2	900*2+900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2+4*2	4*2+4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	



Model			38VT088S73HQSS	38VT090S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642+Φ642+Φ642	Φ642+Φ642+Φ642+Φ642	
	Height	mm	198+198+198+198	198+198+198+198	
Outdoor coil	Number of rows		3+3+3+3	3+3+3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7	
	Coil length x height	mm	/	/	
Cabinet coating	Number of circuits		30+30+30+30	30+30+30+30	
	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
Control panel enclosure IP class	Sheet Metal Thickness	mm	1	1	
	Standard		IP24	IP24	
Casing color		Ivory white +gray	Ivory white +gray		
Outdoor air flow (cooling / heating)	m3/h		72000	72000	
	cfm		42378	42378	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		67	67.5	
Outdoor sound level(sound power level) (H)	dB(A)		78	78.5	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		1496	1496
		lbs		3298	3298
	Gross weight	kg		1612	1612
		lbs		3554	3554
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		40.0	40.0
		lbs		88.3	88.3
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT088S73HQSS	38VT090S73HQSS
Refrigerant piping	Liquid pipe	mm	25.4	25.4
		inch	1	1
	Gas pipe	mm	50.8	50.8
		inch	2	2
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63+63+63	63+63+63+63
	Min. circuit ampacity	A	192.5	193.5
	Power wiring	mm ²	16+16+16+16	16+16+16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT092S73HQSS	38VT094S73HQSS
Combination			22+22+24+24	22+24+24+24
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	259.0	265.5
	Rated capacity	kBtu/h	883.71	905.89
	Rated power input	kW	68.20	69.30
	Max. power input	kW	115.20	115.80
	EER		3.80	3.83
	Rated current	A	115.14	116.99
	Max. current	A	194.5	195.5
Heating	Rated capacity	kW	284.0	288.0
	Rated capacity	kBtu/h	969.01	982.66
	Rated power input	kW	64.40	65.80
	Max. power input	kW	104.00	105.00
	COP		4.41	4.38
	Rated current	A	108.72	111.08
	Max. current	A	175.57	177.26
Capacity at low temperature	kW	219.40	222.50	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT+ANB66FVAMT+ANB66FVAMT+ANB66FVAMT	ANB66FVAMT+ANB66FVAMT+ANB66FVAMT+ANB66FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		8	8
	Capacity	W	21500*2+21500*2+21500*2+21500*2	21500*2+21500*2+21500*2+21500*2
	Power Input	W	6500*2+6500*2+6500*2+6500*2	6500*2+6500*2+6500*2+6500*2
	Rated current(RLA)	A	19.6*2+19.6*2+19.6*2+19.6*2	19.6*2+19.6*2+19.6*2+19.6*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2+66*2	66*2+66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2+1500*2	1500*2+1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		8	8
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2+1160*2	1160*2+1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2+900*2	900*2+900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2+4*2	4*2+4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT092S73HQSS	38VT094S73HQSS
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da+Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642+Φ642+Φ642+Φ642	Φ642+Φ642+Φ642+Φ642
	Height	mm	198+198+198+198	198+198+198+198
Outdoor coil	Number of rows		3+3+3+3	3+3+3+3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type	mm	Inner groove tube Φ7	Inner groove tube Φ7
	Coil length x height	mm	/	/
	Number of circuits		30+30+30+30	30+30+30+30
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard		IP24	IP24
Casing color			Ivory white +gray	Ivory white +gray
Outdoor air flow (cooling / heating)	m3/h		72000	72000
	cfm		42378	42378
External static pressure	Pa		110	110
Outdoor sound level(sound pressure level) (H)	dB(A)		67.5	68
Outdoor sound level(sound power level) (H)	dB(A)		78.5	78.8
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16
	Net weight	kg	1496	1496
		lbs	3298	3298
	Gross weight	kg	1612	1612
		lbs	3554	3554
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	40.0	40.0
		lbs	88.3	88.3
Throttle type			EXV	EXV
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	
Design pressure	MPa		4.15	4.15

Model			38VT092S73HQSS	38VT094S73HQSS
Refrigerant piping	Liquid pipe	mm	25.4	25.4
		inch	1	1
	Gas pipe	mm	50.8	50.8
		inch	2	2
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63+63+63	63+63+63+63
	Min. circuit ampacity	A	194.5	195.5
	Power wiring	mm ²	16+16+16+16	16+16+16+16
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model			38VT096S73HQSS	38VT098S73HQSS
Combination			24+24+24+24	24+24+24+26
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	272.0	277.5
	Rated capacity	kBtu/h	928.06	946.83
	Rated power input	kW	70.40	71.60
	Max. power input	kW	116.40	120.30
	EER		3.86	3.88
	Rated current	A	118.85	120.88
	Max. current	A	196.5	203.2
Heating	Rated capacity	kW	292.0	301.5
	Rated capacity	kBtu/h	996.30	1028.72
	Rated power input	kW	67.20	68.10
	Max. power input	kW	106.00	109.90
	COP		4.35	4.43
	Rated current	A	113.45	114.97
	Max. current	A	178.95	185.53
Capacity at low temperature	kW	225.60	236.20	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT+ANB66FVAMT+ANB66FVAMT+ANB66FVAMT	ANB66FVAMT+ANB66FVAMT+ANB66FVAMT+ANB78FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		8	8
	Capacity	W	21500*2+21500*2+21500*2+21500*2	21500*2+21500*2+21500*2+25400*2
	Power Input	W	6500*2+6500*2+6500*2+6500*2	6500*2+6500*2+6500*2+7640*2
	Rated current(RLA)	A	19.6*2+19.6*2+19.6*2+19.6*2	19.6*2+19.6*2+19.6*2+26*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2+66*2	66*2+66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2+1500*2	1500*2+1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		8	8
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2+1160*2	1160*2+1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2+900*2	900*2+900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2+4*2	4*2+4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	



Model			38VT096S73HQSS	38VT098S73HQSS
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da+Tian Da
	Model		/	/
	Material		ABS+20%GF	ABS+20%GF
	Type		Axial	Axial
	Diameter	mm	Φ642+Φ642+Φ642+Φ642	Φ642+Φ642+Φ642+Φ642
	Height	mm	198+198+198+198	198+198+198+198
Outdoor coil	Number of rows		3+3+3+3	3+3+3+3
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186
	Fin spacing	mm	1.60	1.60
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer
	Salt Spray Test Duration	Hour	168	168
	Tube outside dia. and type		Inner groove tube	Inner groove tube
		mm	Φ7	Φ7
	Coil length x height	mm	/	/
		30+30+30+30	30+30+30+30	
Cabinet coating	Coating type		Powder coating	Powder coating
	Salt Spray Test Duration	Hour	72	72
	Sheet Metal Material		Hot zinc plate	Hot zinc plate
	Sheet Metal Thickness	mm	1	1
Control panel enclosure IP class	Standard		IP24	IP24
Casing color			Ivory white +gray	Ivory white +gray
Outdoor air flow (cooling / heating)	m3/h		72000	73000
	cfm		42378	42966
External static pressure	Pa		110	110
Outdoor sound level(sound pressure level) (H)	dB(A)		68	68
Outdoor sound level(sound power level) (H)	dB(A)		79	79
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16
	Net weight	kg	1496	1496
		lbs	3298	3298
	Gross weight	kg	1612	1612
		lbs	3554	3554
Refrigerant	Type		R410A	R410A
	Charged volume*3	kg	40.0	40.0
		lbs	88.3	88.3
Throttle type			EXV	EXV
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device	
Design pressure	MPa		4.15	4.15

Model			38VT096S73HQSS	38VT098S73HQSS
Refrigerant piping	Liquid pipe	mm	25.4	25.4
		inch	1	1
	Gas pipe	mm	50.8	54.1
		inch	2	2 1/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63+63+63	63+63+63+63
	Min. circuit ampacity	A	196.5	203.2
	Power wiring	mm ²	16+16+16+16	16+16+16+25
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.



Model			38VT100S73HQSS	38VT102S73HQSS
Combination			24+24+26+26	24+26+26+26
Power supply		Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
Cooling	Rated capacity	kW	283.0	288.5
	Rated capacity	kBtu/h	965.60	984.36
	Rated power input	kW	72.80	74.00
	Max. power input	kW	124.20	128.10
	EER		3.89	3.90
	Rated current	A	122.90	124.93
	Max. current	A	209.9	216.5
Heating	Rated capacity	kW	311.0	320.5
	Rated capacity	kBtu/h	1061.13	1093.55
	Rated power input	kW	69.00	69.90
	Max. power input	kW	113.80	117.70
	COP		4.51	4.59
	Rated current	A	116.49	118.01
	Max. current	A	192.12	198.70
Capacity at low temperature	kW	246.80	257.40	
Compressor	Brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Model		ANB66FVAMT+ANB66FVAMT+ANB78FVAMT+ANB78FVAMT	ANB66FVAMT+ANB78FVAMT+ANB78FVAMT+ANB78FVAMT
	Type		DC INV. SCROLL	DC INV. SCROLL
	Compressor quantity		8	8
	Capacity	W	21500*2+21500*2+25400*2+25400*2	21500*2+25400*2+25400*2+25400*2
	Power Input	W	6500*2+6500*2+7640*2+7640*2	6500*2+7640*2+7640*2+7640*2
	Rated current(RLA)	A	19.6*2+19.6*2+26*2+26*2	19.6*2+26*2+26*2+26*2
	Speed	rps	60	60
	Crankcase Heater	W	66*2+66*2+66*2+66*2	66*2+66*2+66*2+66*2
	Starting method		Soft start	Soft start
	Refrigerant oil brand		IDEMITSUKOSAN CO.,LTD	IDEMITSUKOSAN CO.,LTD
	Refrigerant oil type		FVC68D	FVC68D
Refrigerant oil charge	ml	1500*2+1500*2+1500*2+1500*2	1500*2+1500*2+1500*2+1500*2	
Outdoor fan motor	Brand		BROAD-OCEAN	BROAD-OCEAN
	Model		ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002	ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002
	Voltage		DC650V	DC650V
	IP Class		IP44	IP44
	Type / quantity		8	8
	Insulation class		B	B
	Safe class		I	I
	Drive		Direct drive	Direct drive
	Power Input	W	1160*2+1160*2+1160*2+1160*2	1160*2+1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2+900*2	900*2+900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2+4*2	4*2+4*2+4*2+4*2
	Capacitor	μF	/	/
Speed	rpm	0~1180	0~1180	

Model			38VT100S73HQSS	38VT102S73HQSS	
Outdoor fan	Brand		Tian Da+Tian Da+Tian Da+Tian Da	Tian Da+Tian Da+Tian Da+Tian Da	
	Model		/	/	
	Material		ABS+20%GF	ABS+20%GF	
	Type		Axial	Axial	
	Diameter	mm	Φ642+Φ642+Φ642+Φ642	Φ642+Φ642+Φ642+Φ642	
	Height	mm	198+198+198+198	198+198+198+198	
Outdoor coil	Number of rows		3+3+3+3	3+3+3+3	
	Tube pitch(a)x row pitch(b)	mm	21×18.186	21×18.186	
	Fin spacing	mm	1.60	1.60	
	Fin type (code)		Hydrophilic aluminum	Hydrophilic aluminum	
	Fin Coating Type	Optional	Clear lacquer	Clear lacquer	
	Salt Spray Test Duration	Hour	168	168	
	Tube outside dia. and type		Inner groove tube	Inner groove tube	
		mm	Φ7	Φ7	
	Coil length x height	mm	/	/	
Number of circuits		30+30+30+30	30+30+30+30		
Cabinet coating	Coating type		Powder coating	Powder coating	
	Salt Spray Test Duration	Hour	72	72	
	Sheet Metal Material		Hot zinc plate	Hot zinc plate	
	Sheet Metal Thickness	mm	1	1	
Control panel enclosure IP class	Standard		IP24	IP24	
Casing color			Ivory white +gray	Ivory white +gray	
Outdoor air flow (cooling / heating)	m3/h		74000	75000	
	cfm		43555	44144	
External static pressure	Pa		110	110	
Outdoor sound level(sound pressure level) (H)	dB(A)		68	68	
Outdoor sound level(sound power level) (H)	dB(A)		79	79	
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg		1496	1496
		lbs		3298	3298
	Gross weight	kg		1612	1612
		lbs		3554	3554
Refrigerant	Type		R410A	R410A	
	Charged volume*3	kg		40.0	40.0
		lbs		88.3	88.3
Throttle type			EXV	EXV	
Safety devices			High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device		
Design pressure	MPa		4.15	4.15	

Model			38VT100S73HQSS	38VT102S73HQSS
Refrigerant piping	Liquid pipe	mm	25.4	25.4
		inch	1	1
	Gas pipe	mm	54.1	54.1
		inch	2 1/8	2 1/8
	Oil pipe	mm	/	/
	Total pipe length	m	1000	1000
		ft	3281	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220	260/220
		ft	853/722	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	30	
	ft	98	98	
Connectable indoor unit ratio		%	50~130	50~130
Maximum indoor units		Piece	64	64
Connection wiring	Breaker size	A	63+63+63+63	63+63+63+63
	Min. circuit ampacity	A	209.9	216.5
	Power wiring	mm ²	16+16+25+25	16+25+25+25
	Signal wiring	mm ²	0.75*2	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

Model		38VT104S73HQSS	
Combination		26+26+26+26	
Power supply		Ph/V/Hz	3/380~415/50/60
Cooling	Rated capacity	kW	294.0
	Rated capacity	kBtu/h	1003.13
	Rated power input	kW	75.20
	Max. power input	kW	132.00
	EER		3.91
	Rated current	A	126.95
	Max. current	A	223.2
Heating	Rated capacity	kW	330.0
	Rated capacity	kBtu/h	1125.96
	Rated power input	kW	70.80
	Max. power input	kW	121.60
	COP		4.66
	Rated current	A	119.53
	Max. current	A	205.29
Capacity at low temperature	kW	268.00	
Compressor	Brand	MITSUBISHI ELECTRIC	
	Model	ANB78FVAMT+ANB78FVAMT+ANB78FVAMT+ANB78FVAMT	
	Type	DC INV. SCROLL	
	Compressor quantity	8	
	Capacity	W	25400*2+25400*2+25400*2+25400*2
	Power Input	W	7640*2+7640*2+7640*2+7640*2
	Rated current(RLA)	A	26*2+26*2+26*2+26*2
	Speed	rps	60
	Crankcase Heater	W	66*2+66*2+66*2+66*2
	Starting method	Soft start	
	Refrigerant oil brand	IDEMITSUKOSAN CO.,LTD	
	Refrigerant oil type	FVC68D	
Refrigerant oil charge	ml	1500*2+1500*2+1500*2+1500*2	
Outdoor fan motor	Brand	BROAD-OCEAN	
	Model	ZWK924D500002+ZWK924D500002+ZWK924D500002+ZWK924D500002	
	Voltage	DC650V	
	IP Class	IP44	
	Type / quantity	8	
	Insulation class	B	
	Safe class	I	
	Drive	Direct drive	
	Power Input	W	1160*2+1160*2+1160*2+1160*2
	Output	W	900*2+900*2+900*2+900*2
	Rated current	A	4*2+4*2+4*2+4*2
	Capacitor	μF	/
Speed	rpm	0~1180	



Model		38VT104S73HQSS		
Outdoor fan	Brand	Tian Da+Tian Da+Tian Da+Tian Da		
	Model	/		
	Material	ABS+20%GF		
	Type	Axial		
	Diameter	mm	Φ642+Φ642+Φ642+Φ642	
	Height	mm	198+198+198+198	
Outdoor coil	Number of rows	3+3+3+3		
	Tube pitch(a)x row pitch(b)	mm	21×18.186	
	Fin spacing	mm	1.60	
	Fin type (code)	Hydrophilic aluminum		
	Fin Coating Type	Optional	Clear lacquer	
	Salt Spray Test Duration	Hour	168	
	Tube outside dia. and type	mm	Inner groove tube Φ7	
	Coil length x height	mm	/	
Cabinet coating	Number of circuits	30+30+30+30		
	Coating type	Powder coating		
	Salt Spray Test Duration	Hour	72	
	Sheet Metal Material	Hot zinc plate		
Control panel enclosure IP class	Sheet Metal Thickness	mm	1	
	Standard	IP24		
Casing color	Ivory white +gray			
Outdoor air flow (cooling / heating)	m3/h	76000		
	cfm	44732		
External static pressure	Pa	110		
Outdoor sound level(sound pressure level) (H)	dB(A)	68		
Outdoor sound level(sound power level) (H)	dB(A)	79		
Outdoor unit	Dimension(W*H*D)	mm	1410*1690*750+1410*1690*750+1410*1690*750+1410*1690*750	
		inch	55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2+55 1/2*66 9/16*29 1/2	
	Packing (W*H*D)	mm	1515*1838*850+1515*1838*850+1515*1838*850+1515*1838*850	
		inch	59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16+59 5/8*72 3/8*33 7/16	
	Net weight	kg	1496	
		lbs	3298	
Gross weight	kg	1612		
	lbs	3554		
Refrigerant	Type	R410A		
	Charged volume*3	kg	40.0	
		lbs	88.3	
Throttle type	EXV			
Safety devices	High pressure switch, Fan driver overload protector, Overcurrent fuse, Inverter overload protector, Leak detecting device			
Design pressure	MPa	4.15		

Model		38VT104S73HQSS	
Refrigerant piping	Liquid pipe	mm	25.4
		inch	1
	Gas pipe	mm	54.1
		inch	2 1/8
	Oil pipe	mm	/
	Total pipe length	m	1000
		ft	3281
	Max. pipe length(Equivalent/ Actual)	m	260/220
		ft	853/722
	Max. Diff. indoor/ outdoor unit*1	m	90(Outdoor higher than indoor) 110(Indoor higher than outdoor)
ft		295(Outdoor higher than indoor) 361(Indoor higher than outdoor)	
Max. Diff. indoor/ indoor unit*1	m	30	
	ft	98	
Connectable indoor unit ratio		%	50~130
Maximum indoor units		Piece	64
Connection wiring	Breaker size	A	63+63+63+63
	Min. circuit ampacity	A	223.2
	Power wiring	mm ²	25+25+25+25
	Signal wiring	mm ²	0.75*2
Operation Range		°C	Cooling: -5~50 Heating: -23~21

Nominal condition: indoor temperature (cooling): 27°C DB/19°C WB, indoor temperature (heating): 20°C DB/14.5°C WB.

Outdoor temperature(cooling): 35°C DB/24°C WB, outdoor temperature(heating): 7°C DB/6°C WB The data is measured with 7.5m equivalent pipe and 0 m height difference.

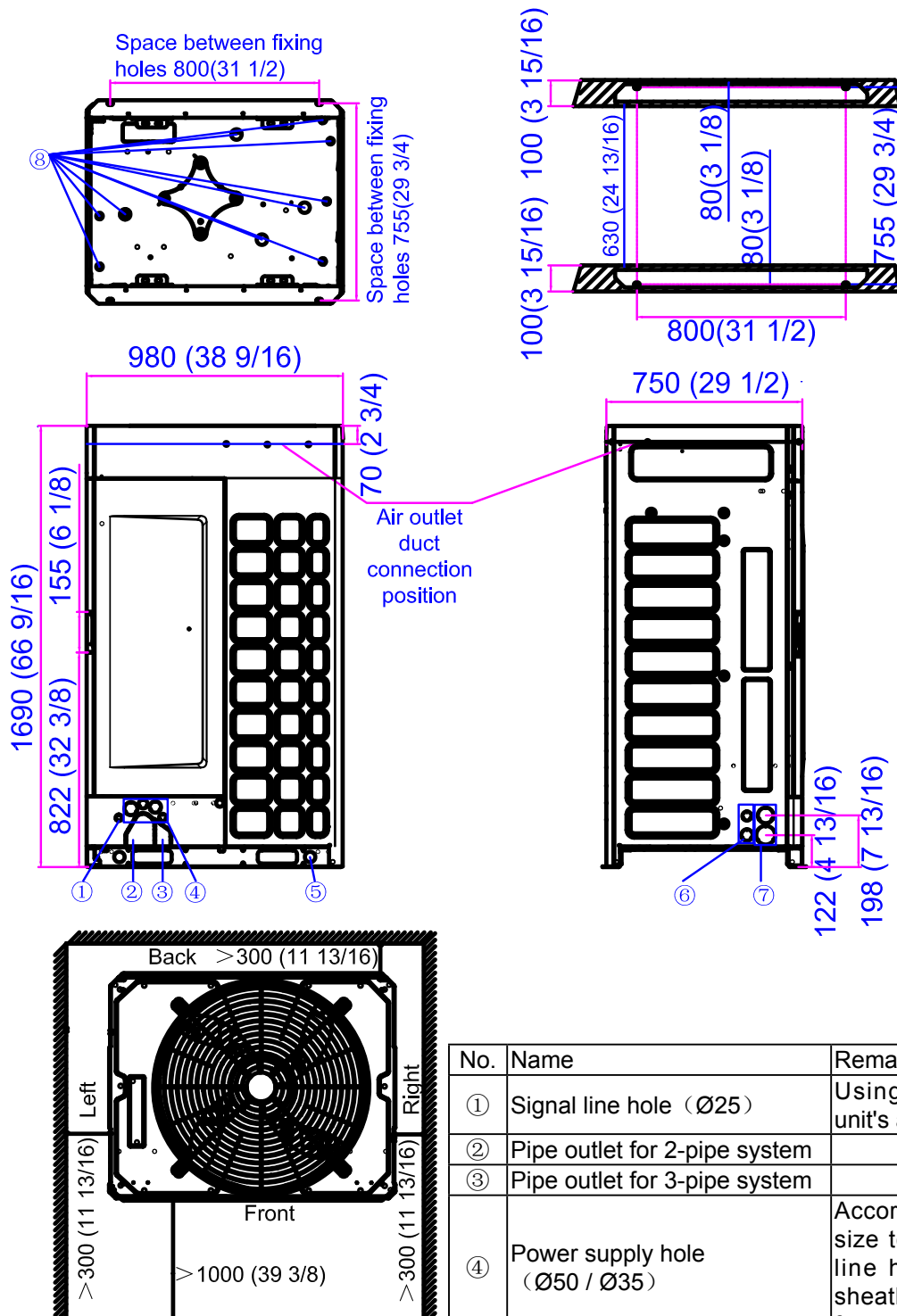
The noise level will be measured in the third octave band limited values in the semi-anechoic chamber, using a Real Time Analyser calibrated sound intensity meter. It is a sound pressure noise level.

*1 If the total pipe length is from 500 to 1000m or the height difference between the outdoor and indoor units is from 50 to 110m or the height difference between the indoor units is from 18 to 30m, you Must contact your local distributor/dealer for individual design and production.

3. Dimensions

38VT008/10/12/14/16173HQSS

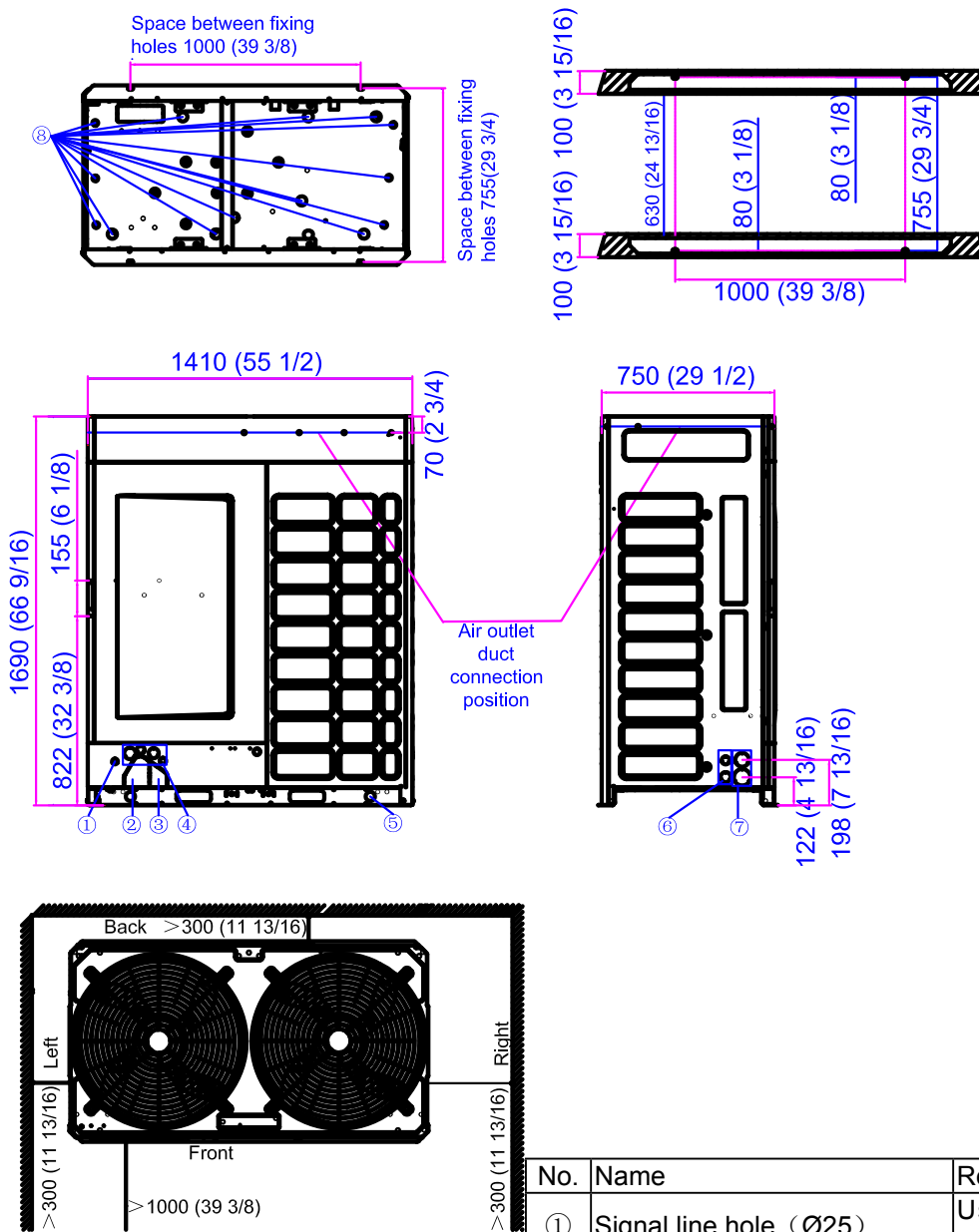
Unit:mm (inch)



No.	Name	Remark
①	Signal line hole (Ø25)	Using the rubber plug in the unit's attachment for protection
②	Pipe outlet for 2-pipe system	
③	Pipe outlet for 3-pipe system	
④	Power supply hole (Ø50 / Ø35)	According to the wire diameter size to choose the appropriate line hole, and using the line sheath in the unit's attachment for protection.
⑤	Hoisting hole (Ø40)	
⑥	Power supply of signal line hole (Ø35 / Ø44)	
⑦	Refrigerant pipe outlet (Ø60 / Ø72)	
⑧	Drain hole	

38VT18~26173HQSS

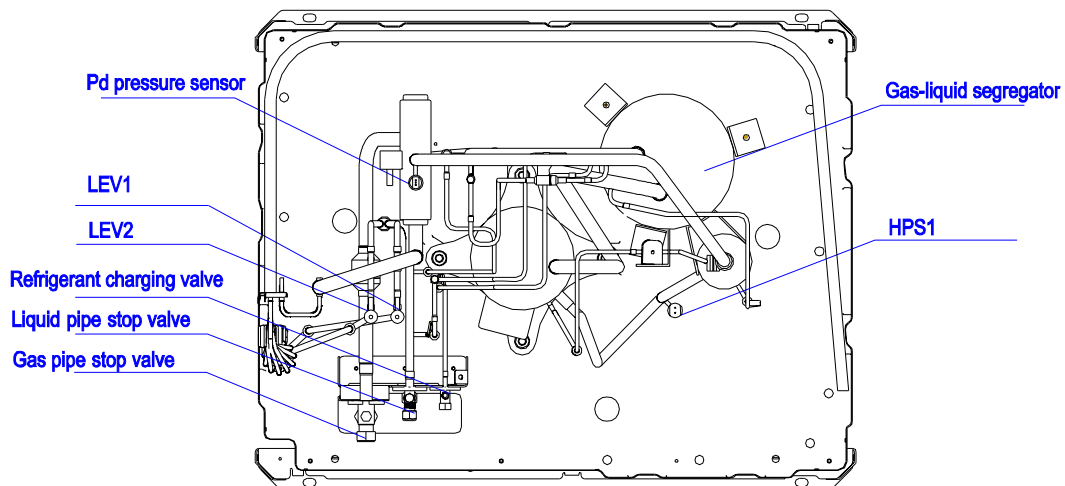
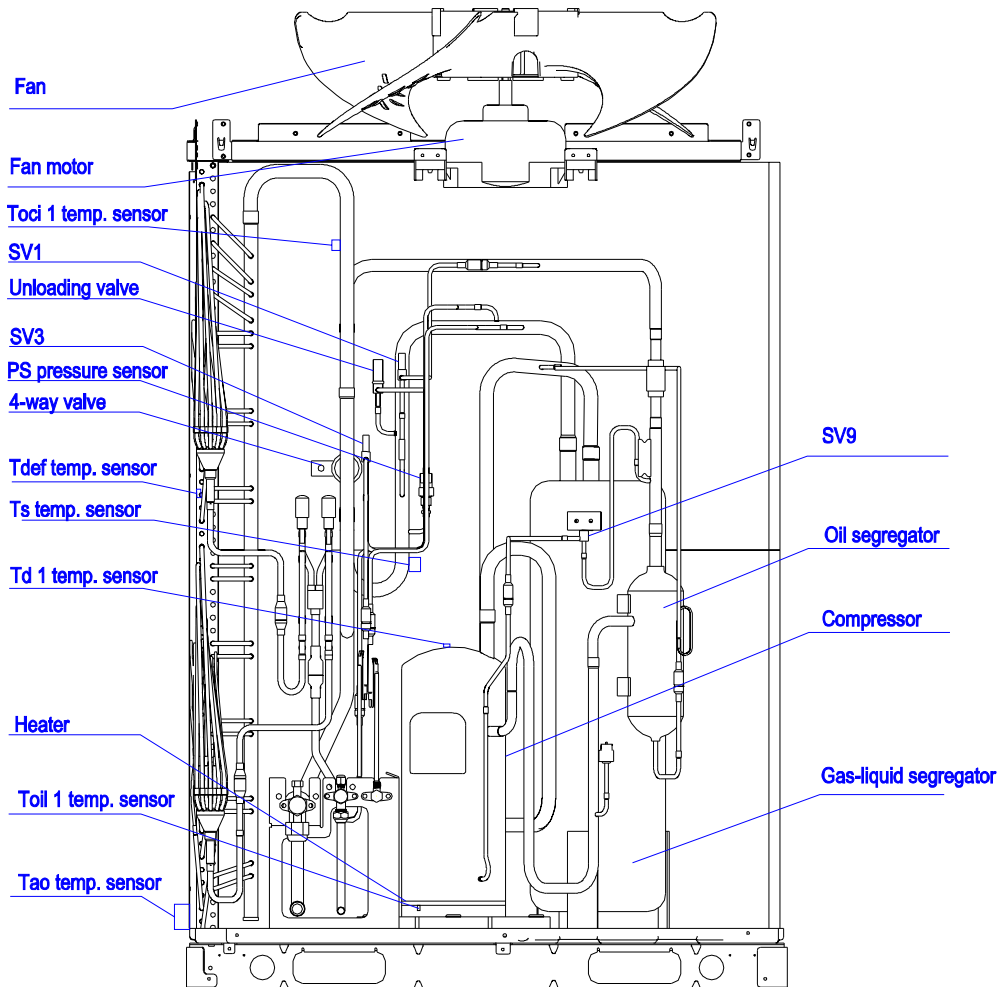
Unit:mm (inch)



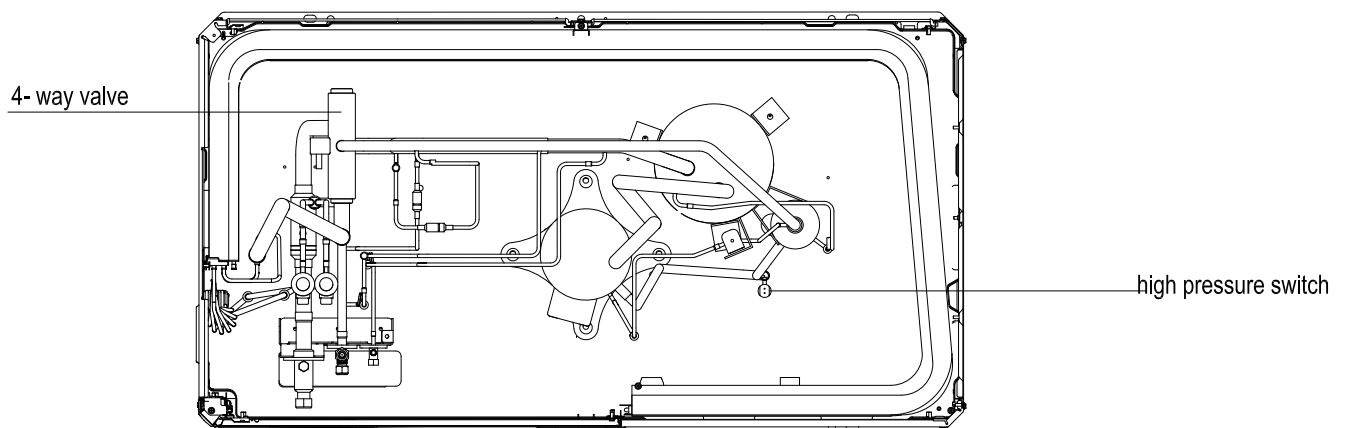
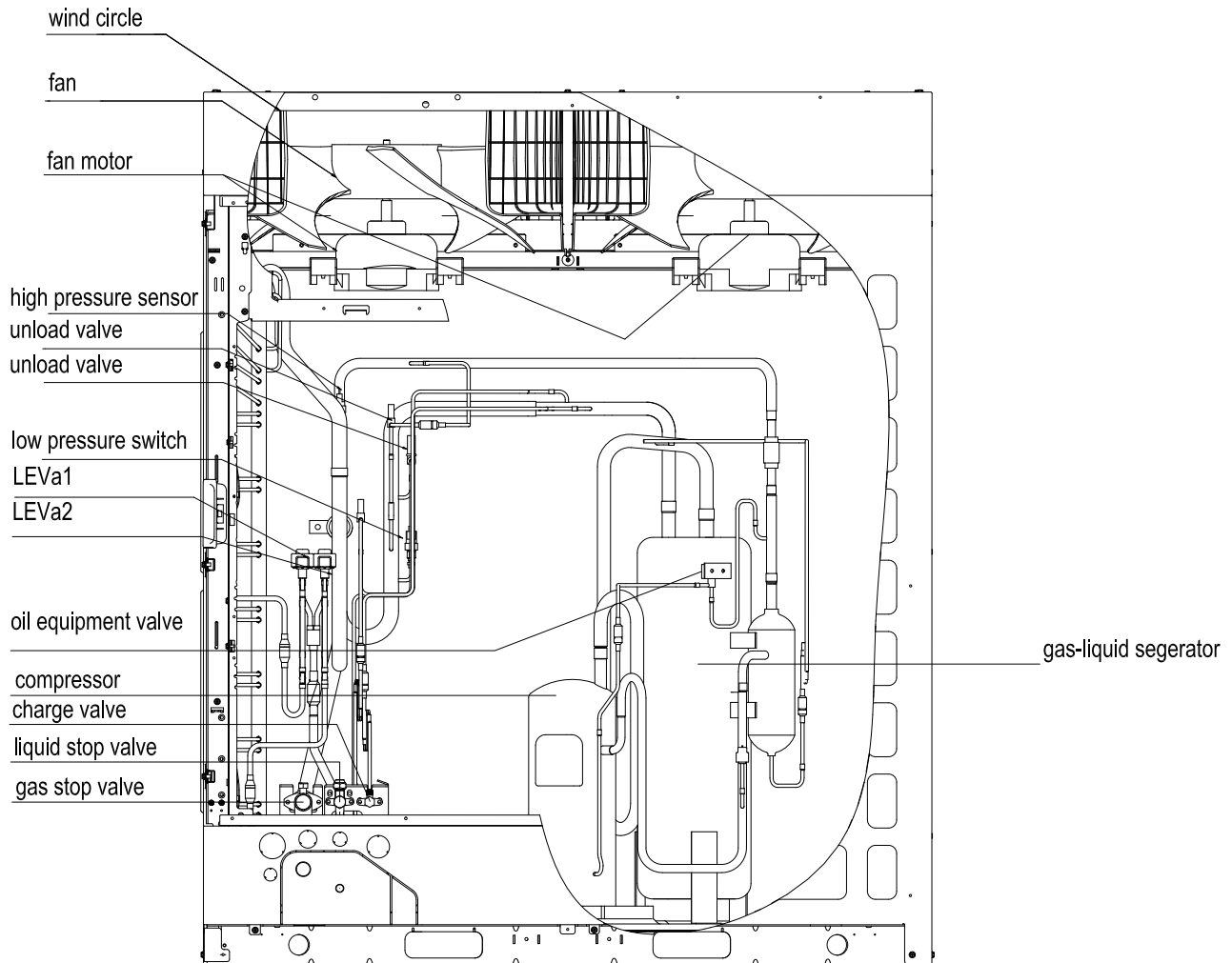
No.	Name	Remark
①	Signal line hole (Ø25)	Using the rubber plug in the unit's attachment for protection
②	Pipe outlet for 2-pipe system	
③	Pipe outlet for 3-pipe system	
④	Power supply hole (Ø50 / Ø35)	According to the wire diameter size to choose the appropriate line hole, and using the line sheath in the unit's attachment for protection.
⑤	Hoisting hole (Ø40)	
⑥	Power supply of signal line hole (Ø35 / Ø44)	
⑦	Refrigerant pipe outlet (Ø60 / Ø72)	
⑧	Drain hole	

4. Function Parts layout

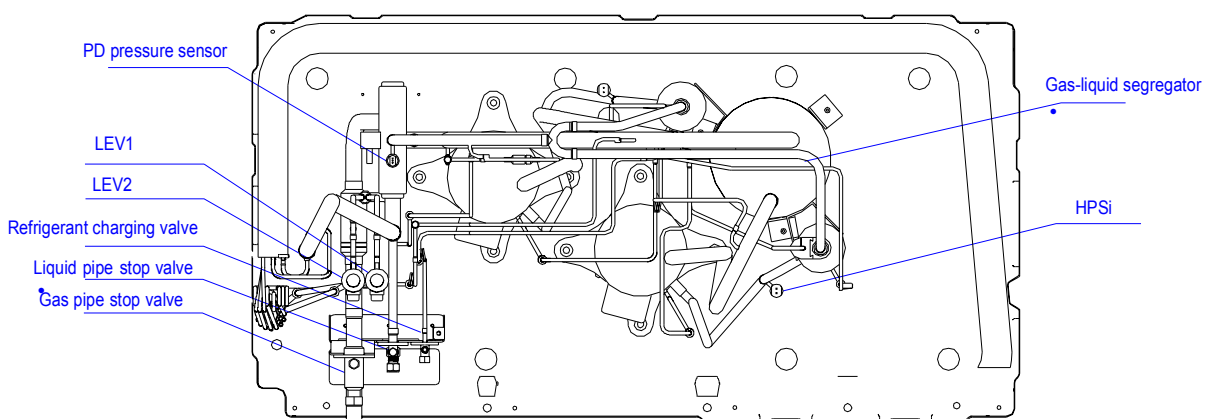
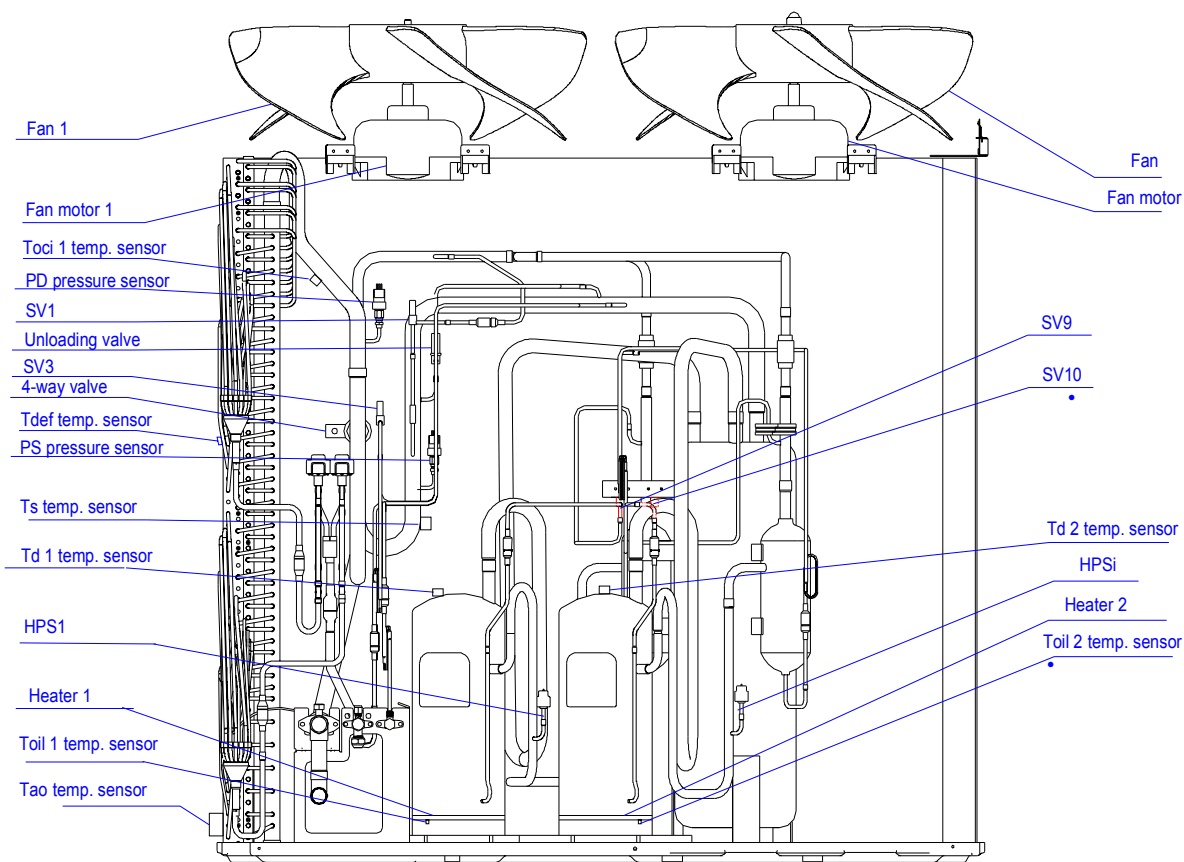
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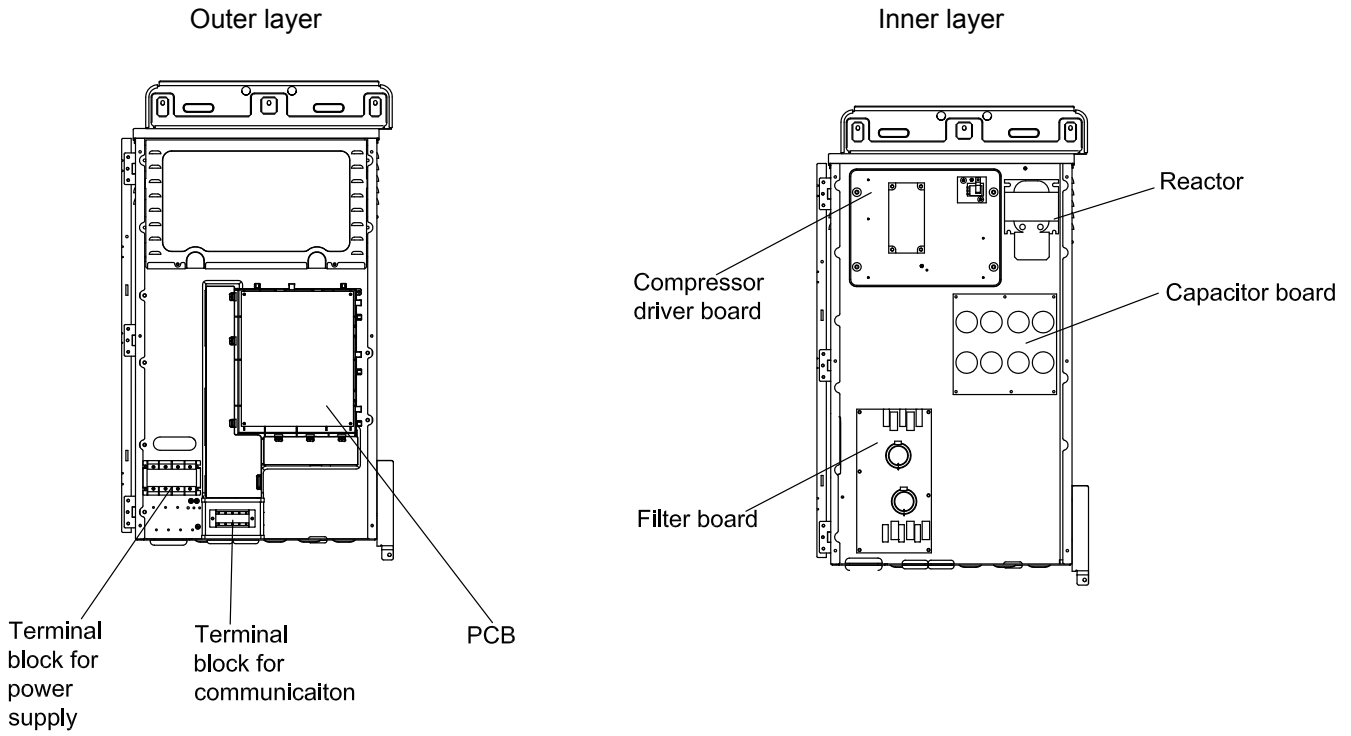
38VT018173HQSS



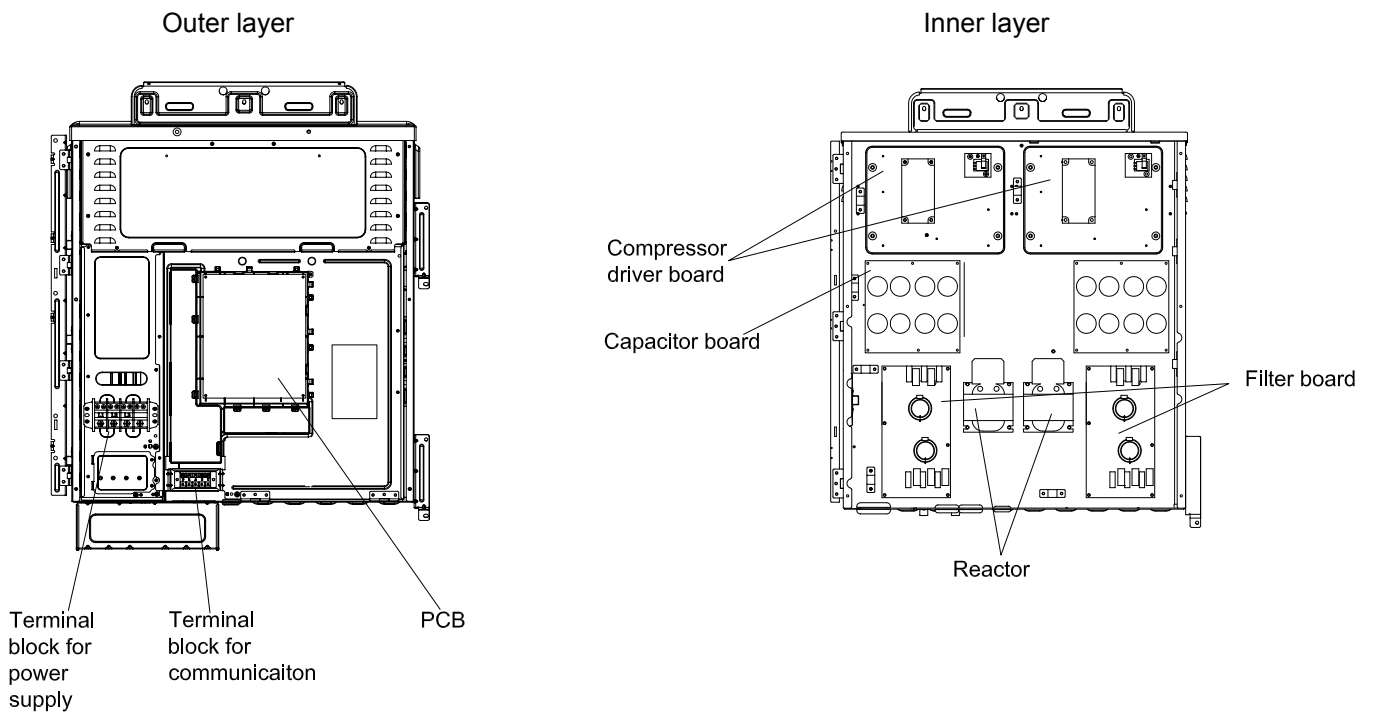
38VT20~26173HQSS



Electric control box assy. parts layout
 38VT008/10/12/14/16/18/173HQSS



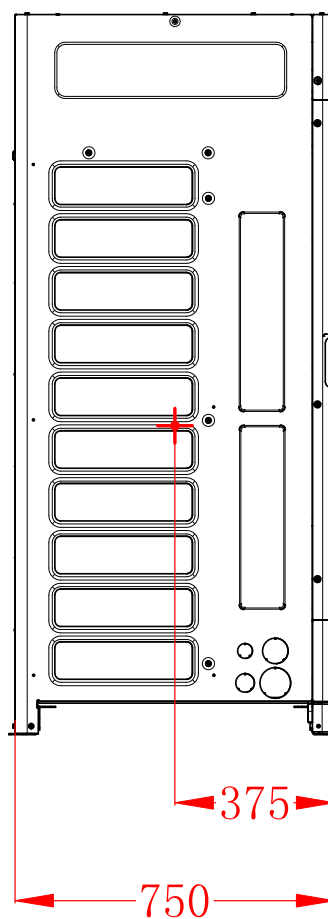
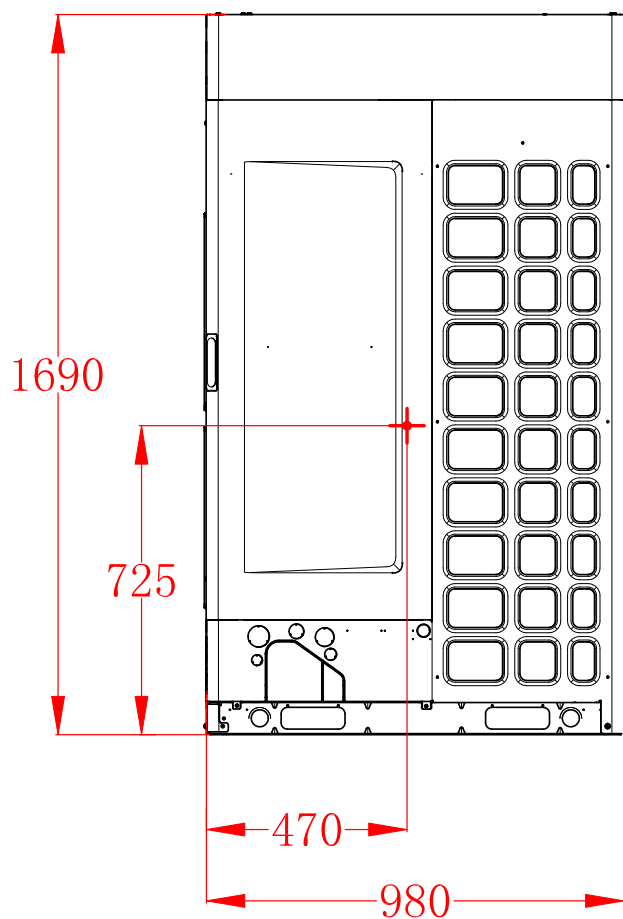
38VT020~26173HQSS



5. Center of gravity

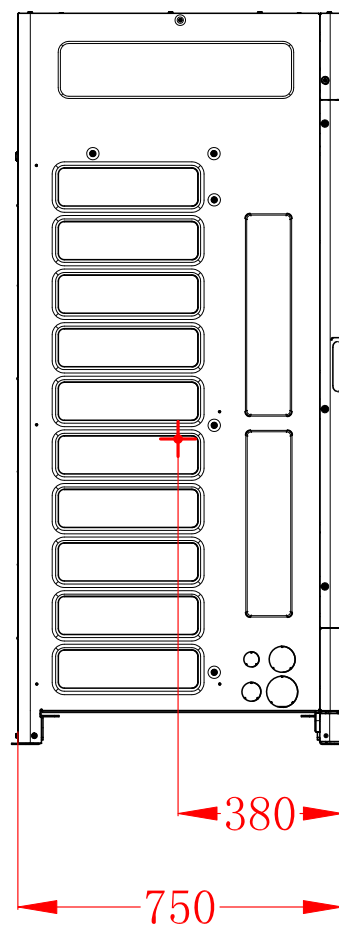
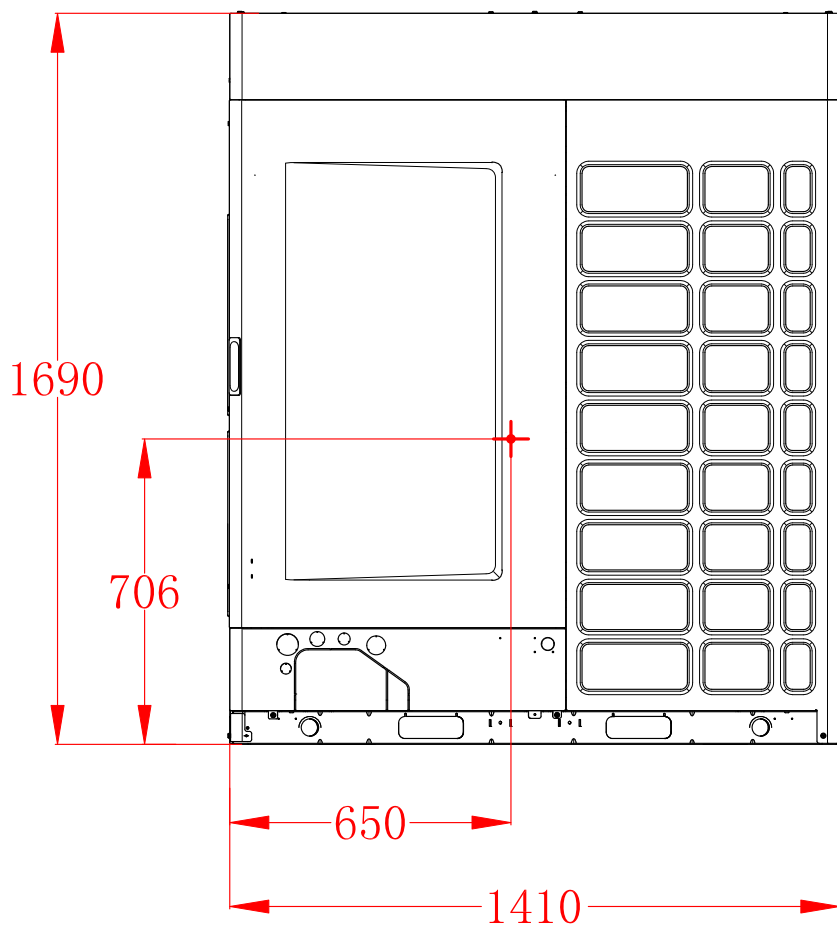
38VT008/10/12/14/16173HQSS

Coordinate position (x, y, z: 470, 375, 725)



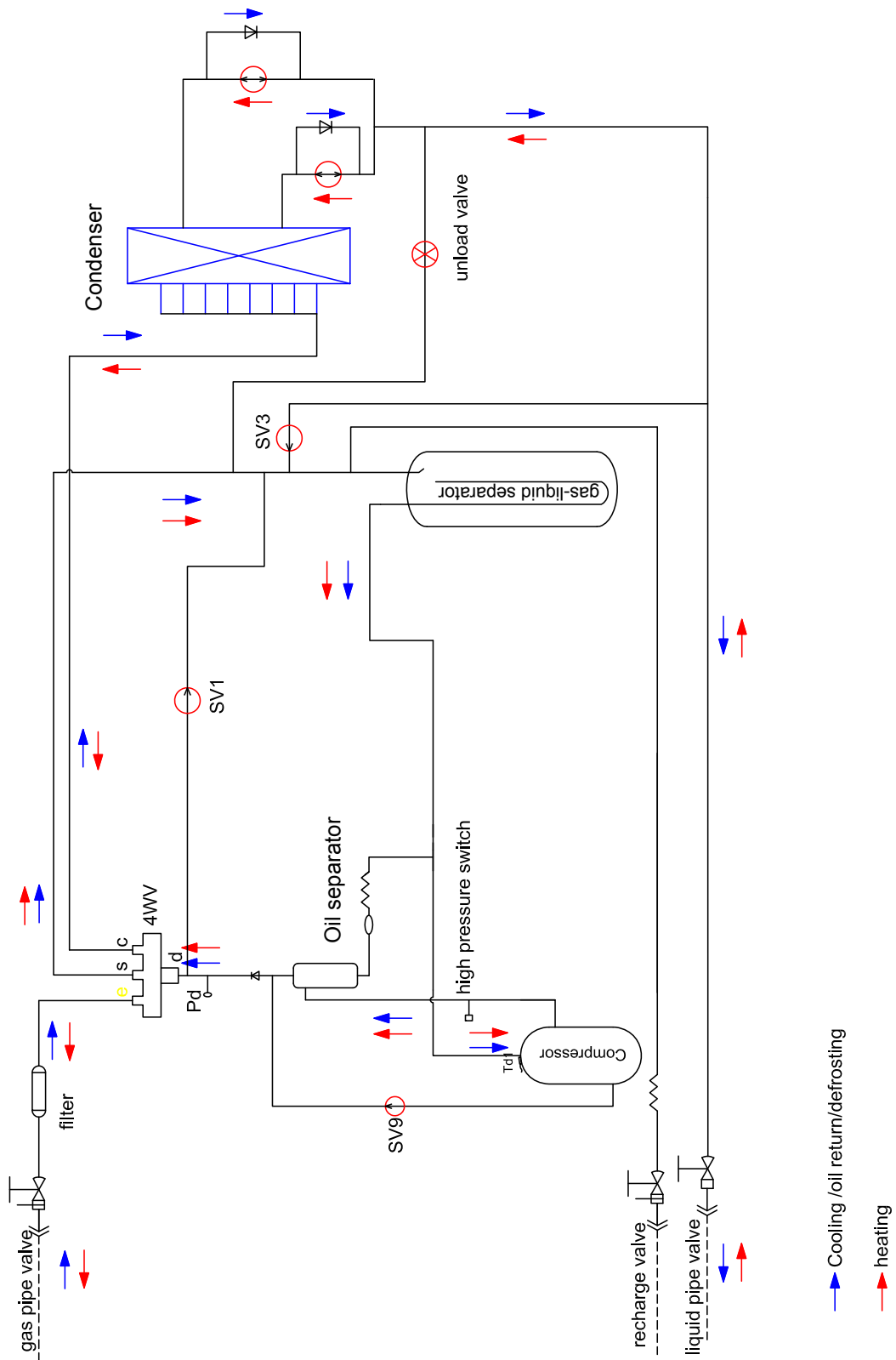
38VT018~26173HQSS

Coordinate position (x, y, z: 650, 380, 706)

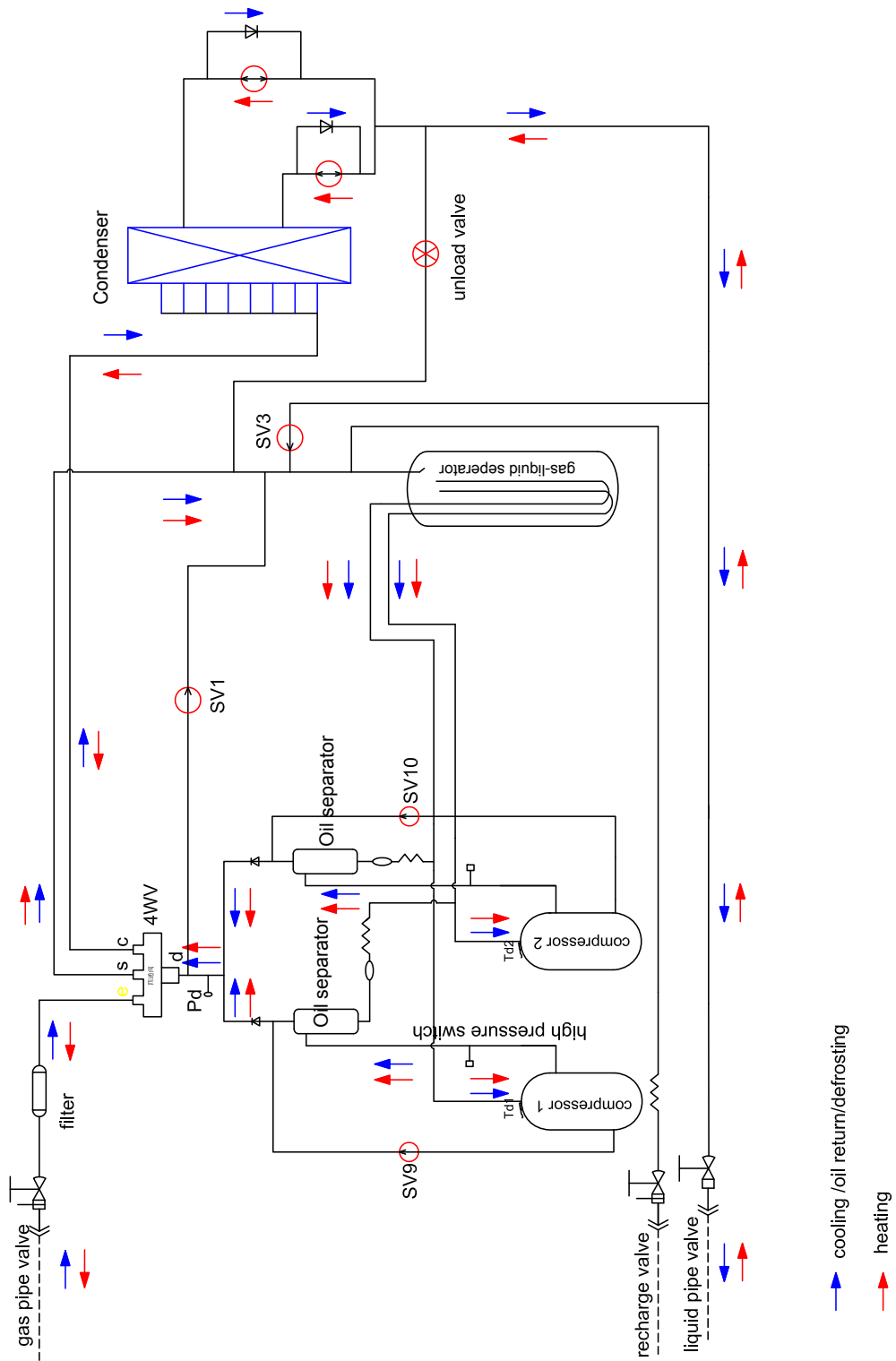


6. Refrigerant diagram

38VT008/10/12/14/16/18173HQSS



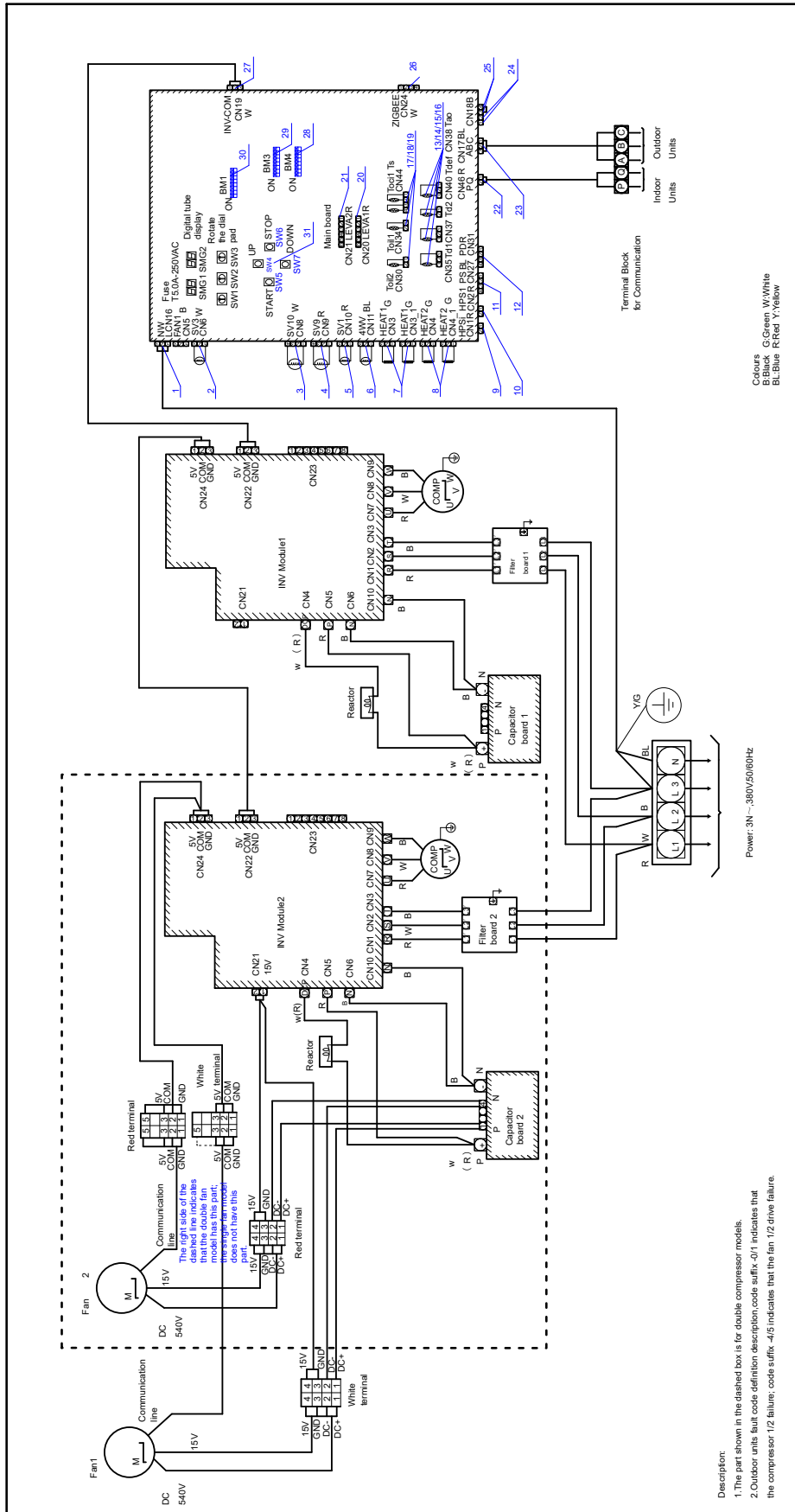
38VT020/22/24/26173HQSS

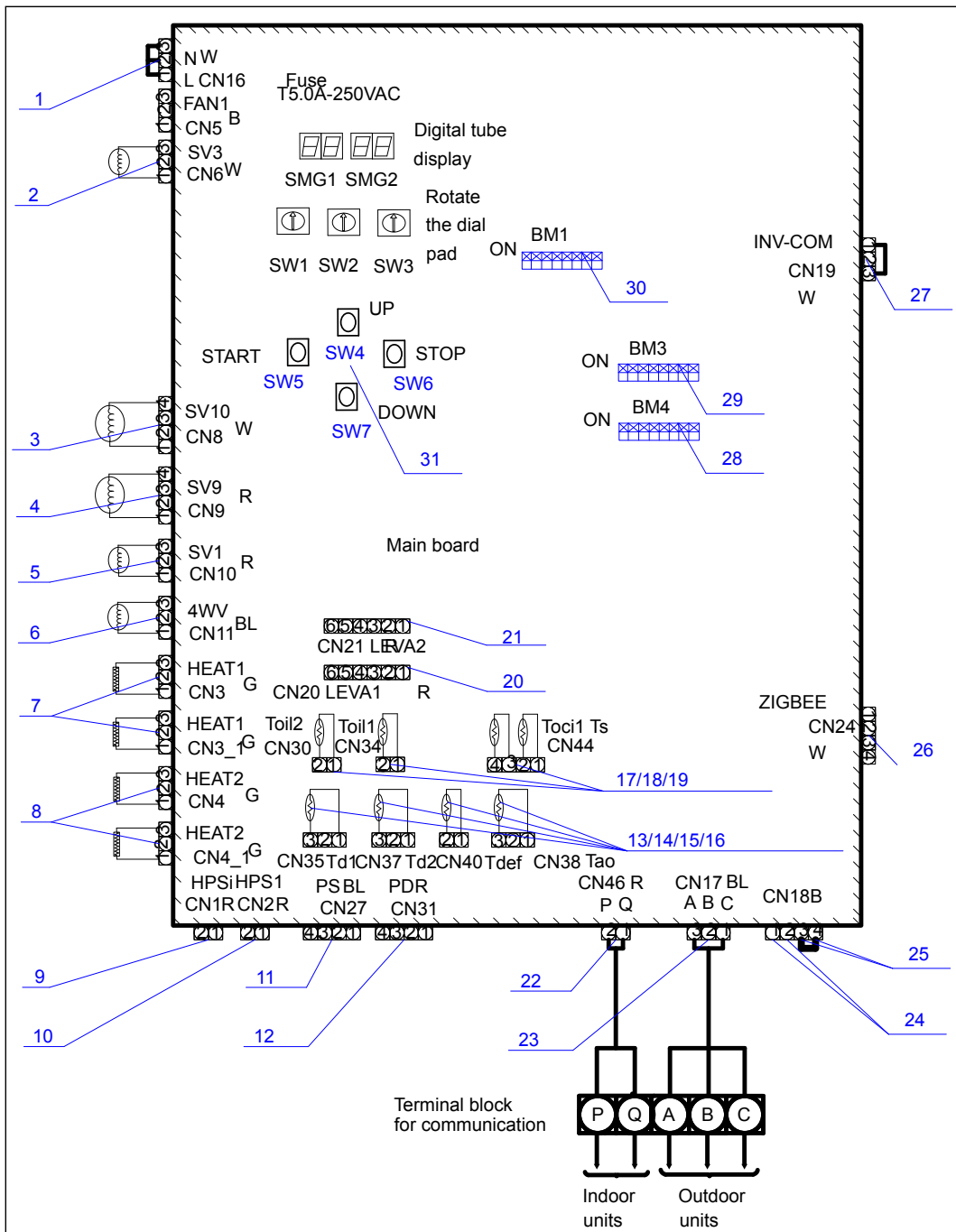


Part name	Sign	Function	Data	Remark
Compressor	/	Capacity control, to meet indoor load through frequency adjustment.	ANB52FKQMT: 0.302Ω	20°C
			ANB66FVAMT: 0,23Ω	
			ANB78FVAMT: 0,23Ω	
			ANB87FVLMT: 0.16Ω	
Pressure switch	HPS1/i	Protection control for high pressure.	4.15Mpa, OFF setting	
Pressure sensor	PD	In heating, compressor frequency adjustment and protection control for abnormal pressure.	0~4.15MPa.	
	PS	In cooling, compressor frequency adjustment and protection control for abnormal pressure.	0~1.7MPa.	
Electronic expansion valve	LEVA1, 2	Refrigerant flow control in heating.	HAM-BD30SM-2	
Solenoid valve	SV1	1. Balance between high and low pressures when the compressor starts and stops; 2. Protection to prevent high and low pressures.	AC220V	2A
	SV3	Started when the compressor discharging temperature and oil temperature are too high to carry out temperature reduction by refrigerant spraying.	AC220V	2A
	SV10	Outdoor unit SV10 for oil suction starts during oil balance; for pressure relief to prevent explosion of pipe group.	AC220V	2A
	SV9	The outdoor unit for oil discharging starts SV9 for oil balancing during oil balance among modules.	AC220V	2A
Four-way valve	4WV	Switch between cooling and heating.	AC220V Power on during heating and power off during cooling or defrosting.	
Temperature sensor	Toil1/2	To detect the temperature of refrigeration lubricant at the compressor bottom.	R (80°C) - 50K B (25/80°C)=4450K	
	Td1/Td2	To detect the top temperature of inverter/ON-OFF compressor.		
	Tdef	To detect the frosting of outdoor heat exchanger.	R(25°C)=10K, B(25°C/50°C) =3700K	
	Toci1	To detect the temperature of condenser main gas pipe to control LEVa1, 2 during heating.		
	Ts	To detect the inlet temperature of gas-liquid segregator.		
	Tao	To detect ambient temperature and control the initial air speed and defrosting conditions.		
Heater	HEAT1/2	Used to heat the compressor oil in the inverter compressor.	33W, 220V, 2 pieces/ compressor.	

7. Wiring diagram

38VT008/10/12/14/16/20/22/24/26173HQSS

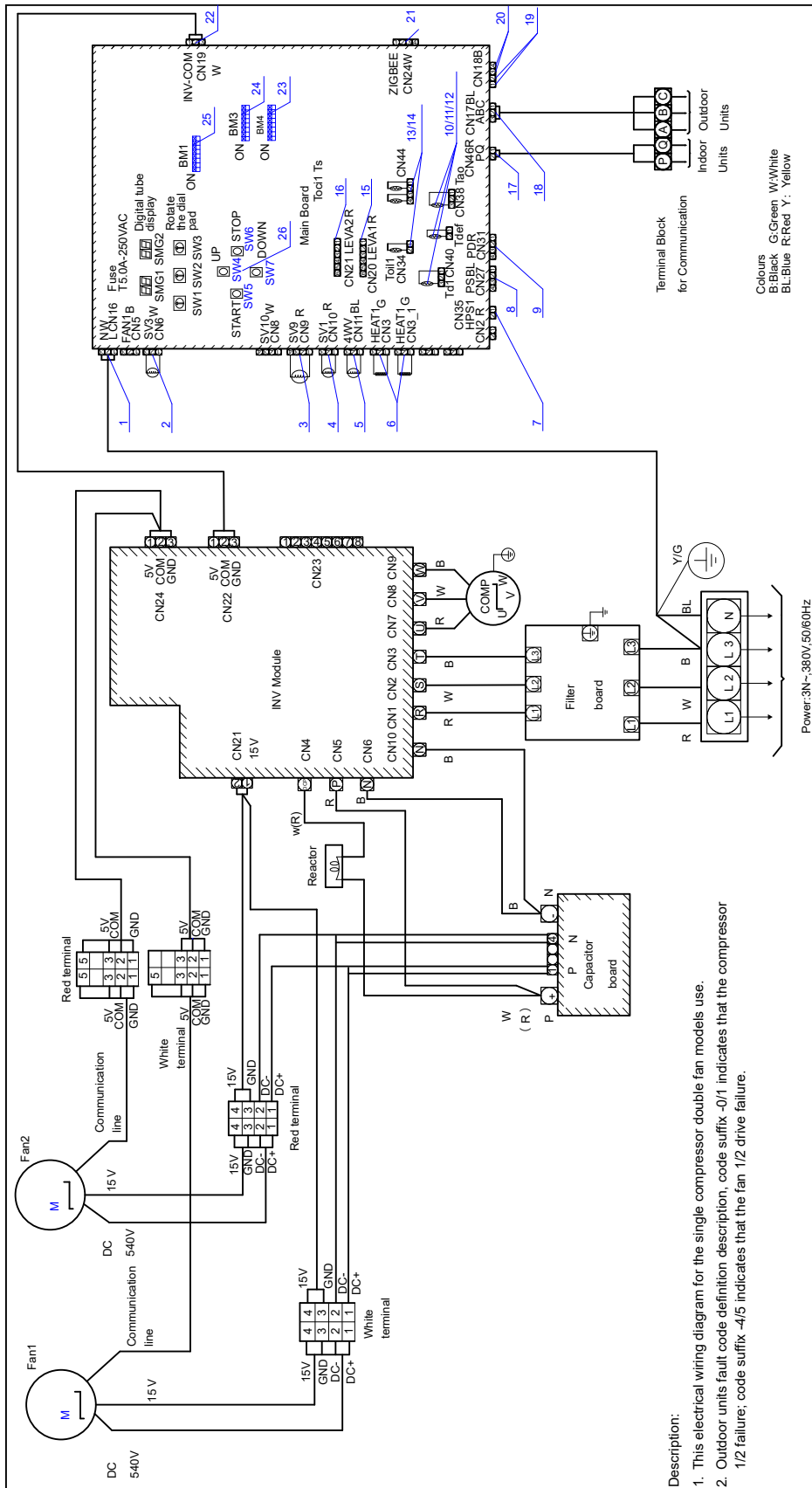


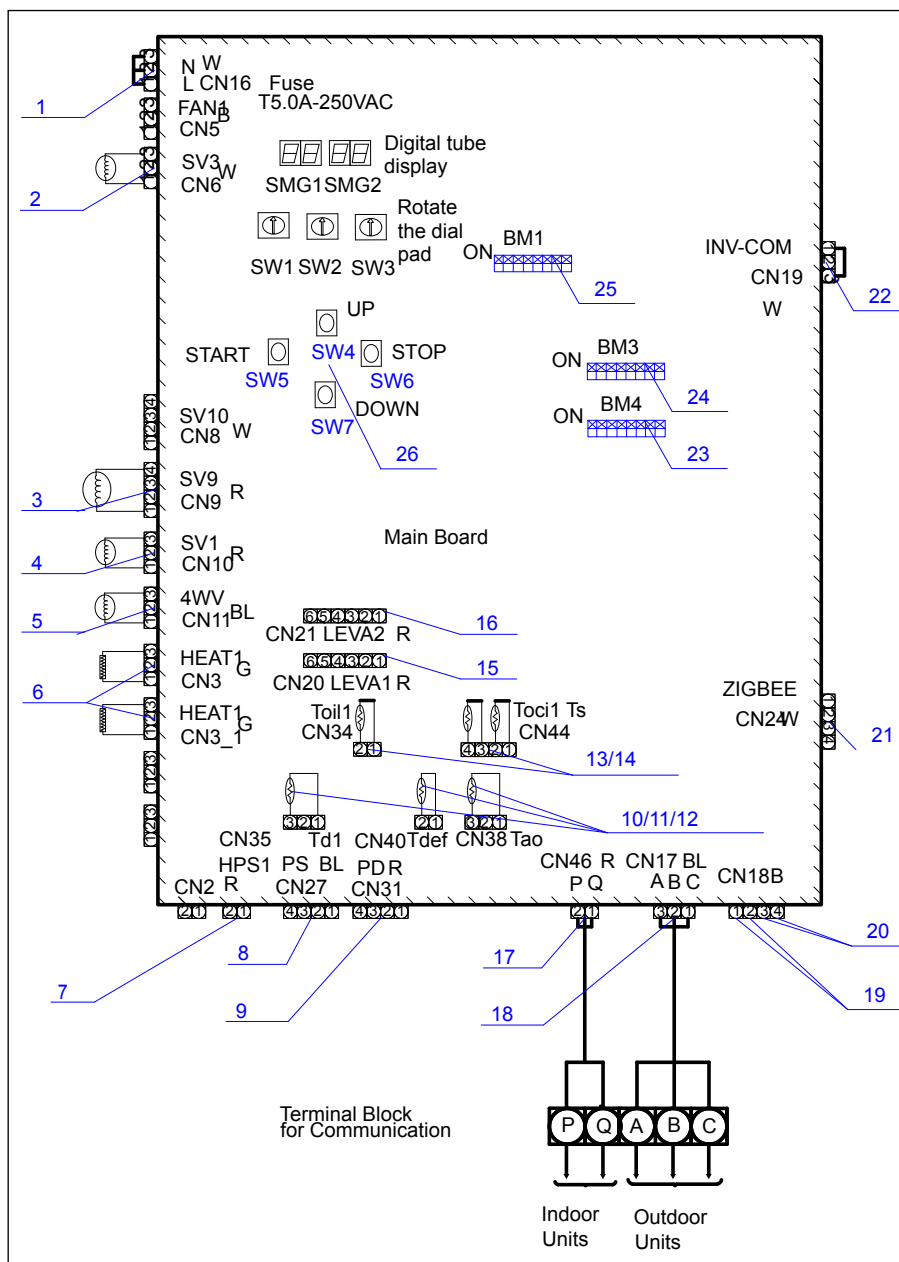


Description of the main board port definition

No.	Port	Port description	No.	Port	Port description	No.	Port	Port description
1	L/N/G	Power input	12	PD	High pressure sensor	22	P Q	Indoor unit and outdoor unit com. port
2	SV3	Liquid jetting	13	Td1	Compressor 1 exhaust temperature	23	A B C	Outdoor and outdoor com. port
3	SV10	Compressor 2 for oil drain	14	Td2	Compressor 2 exhaust temperature	24	BUS-B BUS-A	Centralized control port
4	SV9	Compressor 1 for oil drain	15	Tdef	Detect the defrosting temp	25	STOP	Emergency stop switch
5	SV1	Pressure equalization	16	Tao	Ambient temperature	26	ZIGBEE	Wireless module com. port
6	4WV	Hot and cold switching	17	Toil2	Detect the oil temp. of compressor 2	27	INV-COM	INV module com. port
7	HEAT1	Compressor 1 heater	18	Toil1	Detect the oil temp. of compressor 1	28	BM4	Set the control address set
8	HEAT2	Compressor 2 heater	19	Toci1/Ts	Detect SH temp. in heating	29	BM3	HP setting of outdoor units
9	HPSi	Compressor 2 high pressure switch	20	LEVA1	SH control in heating	30	BM1	Outdoor and indoor searching as well as address setting
10	HPS1	Compressor 1 high pressure switch	21	LEVA2	SH control in heating	31	UP START STOP DOWN	Four special function control keys
11	PS	Low pressure sensor						

38VT018173HQSS

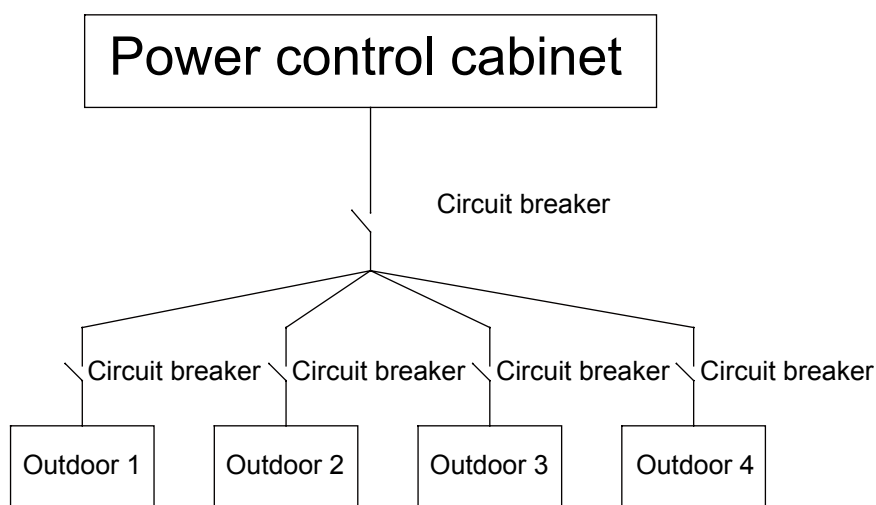




Description of the main board port definition

No.	Port	Port description	No.	Port	Port description
1	L/N/G	Power input	14	Toci1/Ts	Detect SH temp. in heating
2	SV3	Liquid jetting	15	LEVA1	SH control in heating
3	SV9	Compressor 1 for oil drain	16	LEVA2	SH control in heating
4	SV1	Pressure equalization	17	P Q	Indoor unit and outdoor unit com. port
5	4WV	Hot and cold switching	18	A B C	Outdoor and outdoor com. port
6	HEAT1	Compressor 1 heater	19	BUS-B BUS-A	Centralized control port
7	HPS1	Compressor 1 high pressure switch	20	STOP	Emergency stop switch
8	PS	Low pressure sensor	21	ZIGBEE	Wireless module com. port
9	PD	High pressure sensor	22	INV-COM	INV module com. port
10	Td1	Compressor 1 exhaust temperature	23	BM4	Set the control address set
11	Tdef	Detect the defrosting temp	24	BM3	HP setting of outdoor units
12	Tao	Ambient temperature	25	BM1	Outdoor and indoor searching as well as address setting
13	Toil1	Detect the oil temp. of compressor 1	26	UP START STOP DOWN	Four special function control keys

Power Supply



Outdoor unit leakage protection switch and circuit breaker

Model	Power source	Maximum load current (A)	Circuit breaker	Each module circuit breaker	Leakage current (mA) response time(S)	Minimum sectional area of power line (mm ²)	Minimum sectional area of earthing line (mm ²)
38VT008173HQSS	3N~, 380-415V, 50/60Hz	20.3	25	25	30mA, below0.1s	6	4
38VT010173HQSS		21.8	25	25		6	4
38VT012173HQSS		23.3	32	32		10	4
38VT014173HQSS		27.7	40	40		10	4
38VT016173HQSS		32.4	40	40		10	4
38VT018173HQSS		36.1	50	50		16	6
38VT020173HQSS		42.4	63	63		16	6
38VT022173HQSS		48.1	63	63		25	10
38VT024173HQSS		49.1	63	63		25	10
38VT026173HQSS		55.8	63	63		25	10

Note:

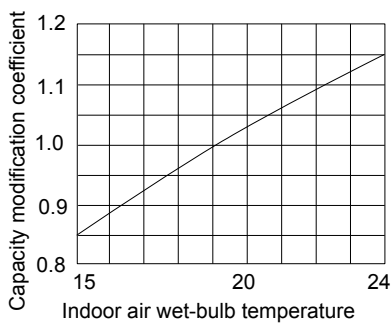
1. Select the power supply cabling of each outdoor unit from the following specifications: Cable 5-core, in conformance with design H07 RN-F or 60245 IEC 66. The operating temperature can not be greater than its specified value.

8. Capacity calculation due to capacity correction coefficient

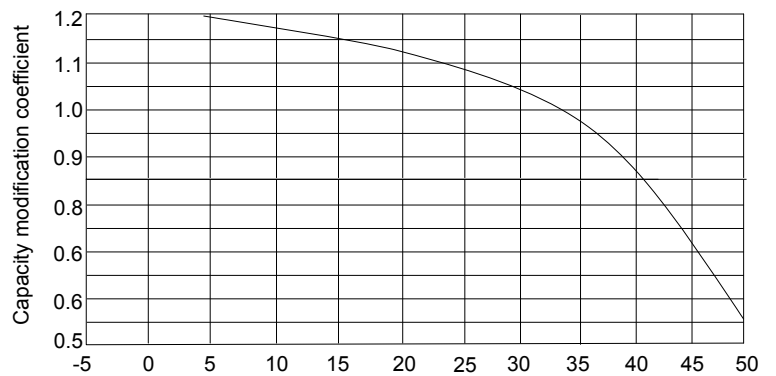
(1) Calculation method of cooling capacity-Temperature

---Cooling capacity to be known=Cooling capacity x(AxBxCxDxE) W

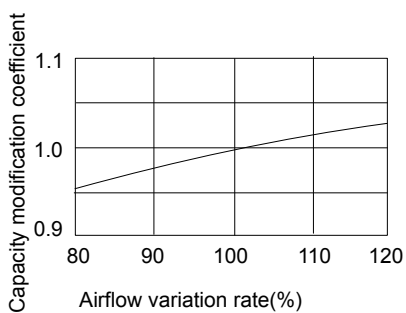
A Capacity compensation coefficient of indoor air wet-bulb temperature condition.



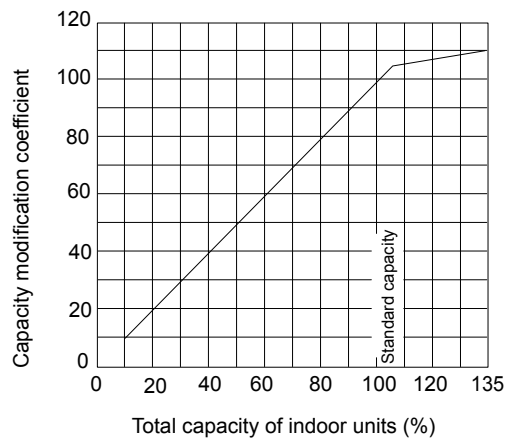
B Capacity compensation coefficient of outdoor air dry-bulb temperature condition.



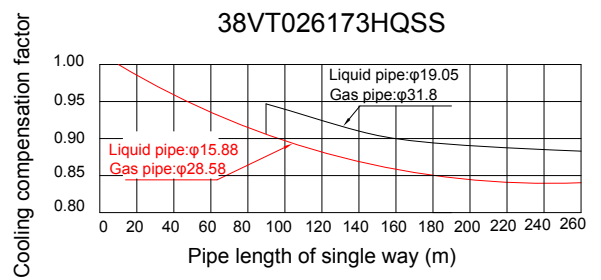
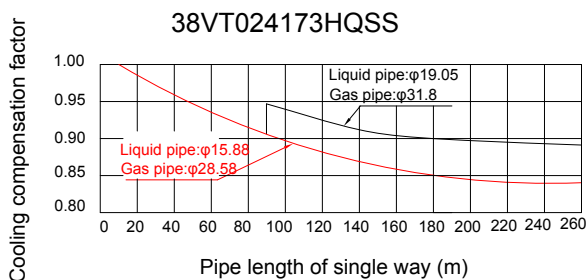
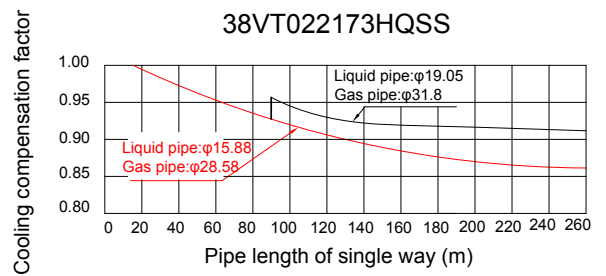
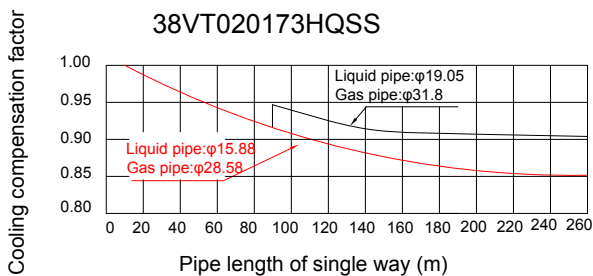
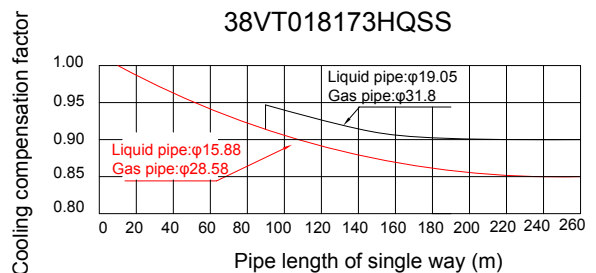
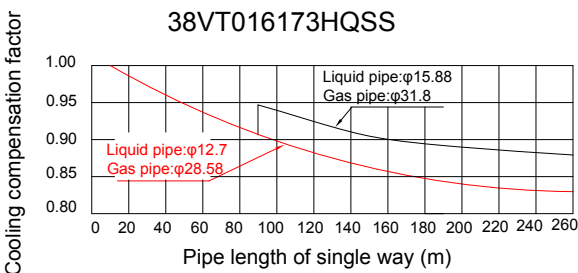
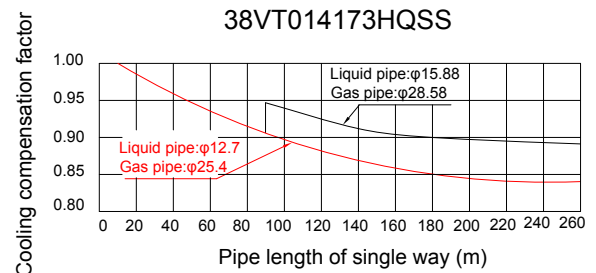
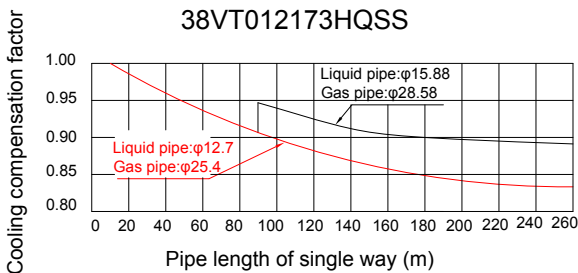
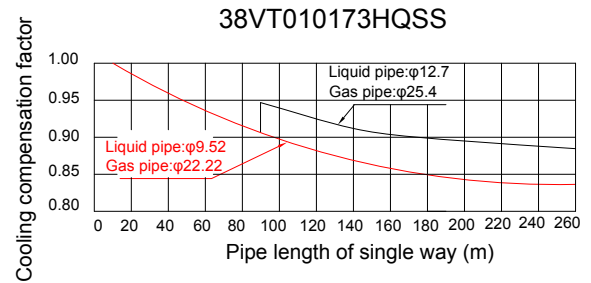
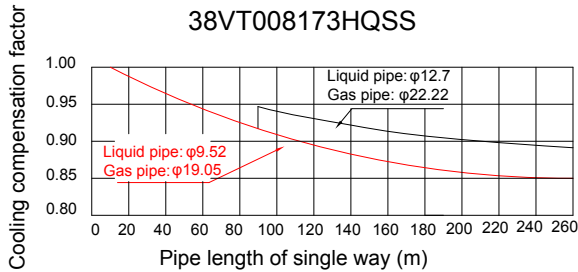
C Capacity modification coefficient under airflow variation rate of indoor unit group (only for duct unit)

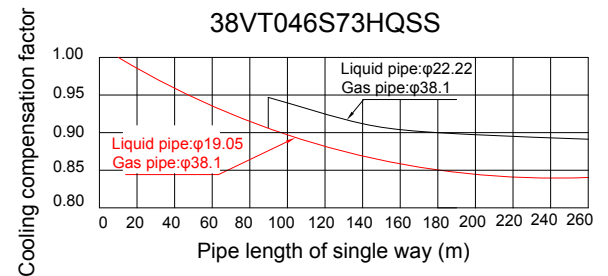
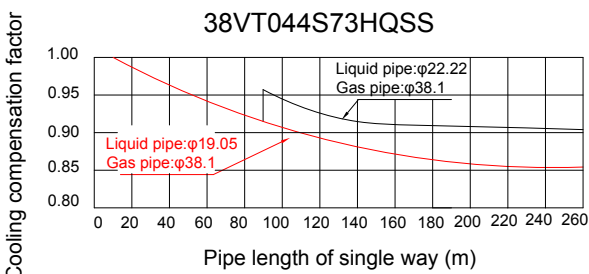
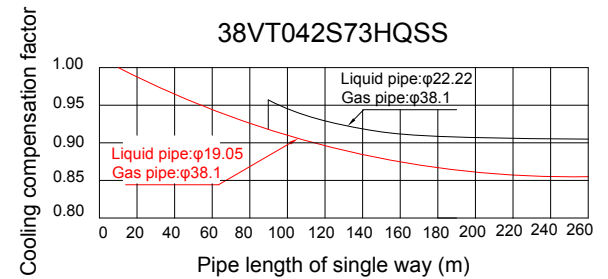
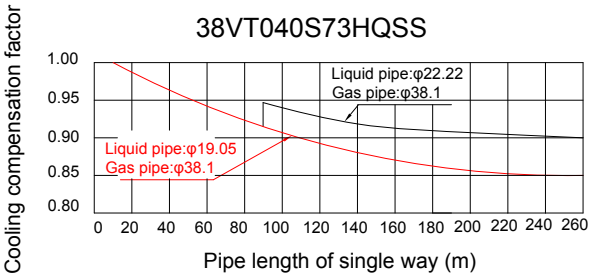
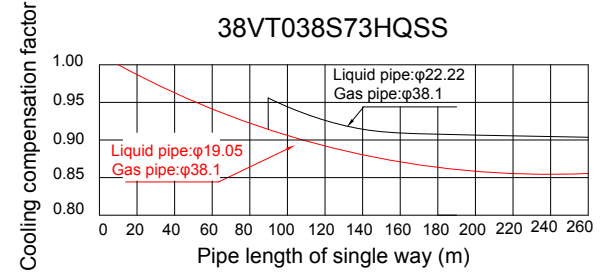
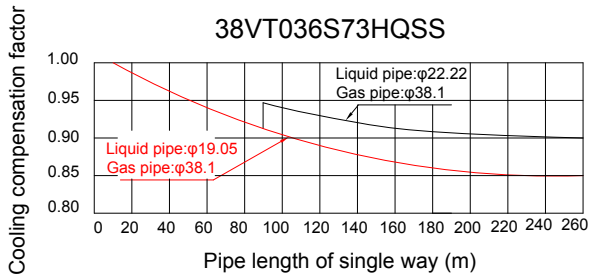
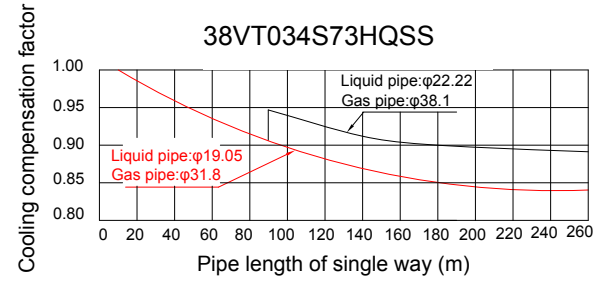
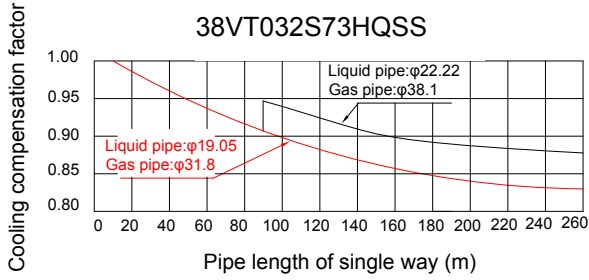
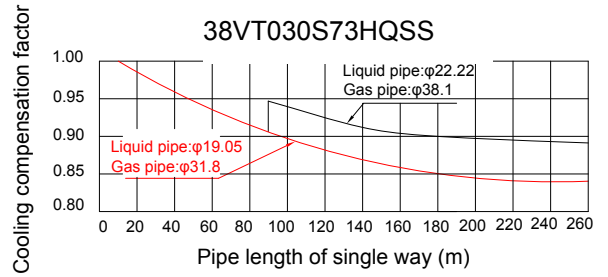
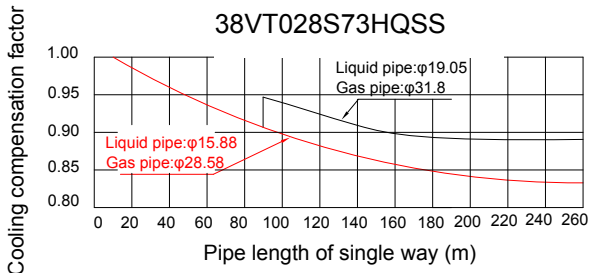


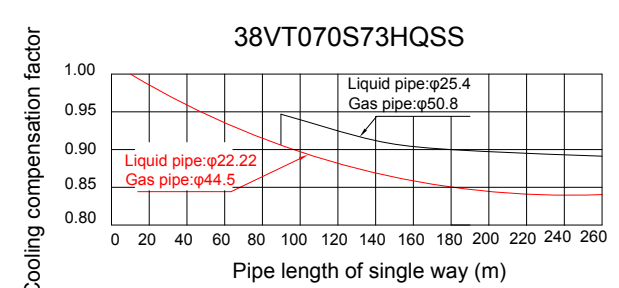
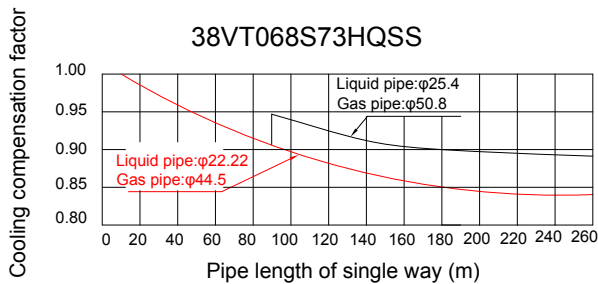
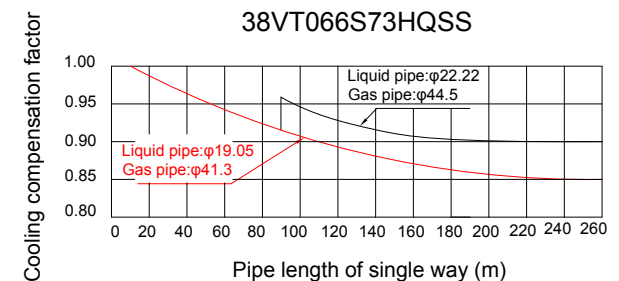
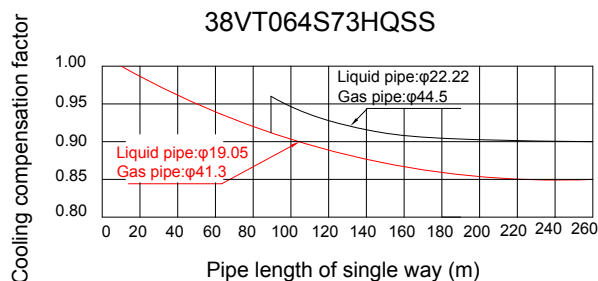
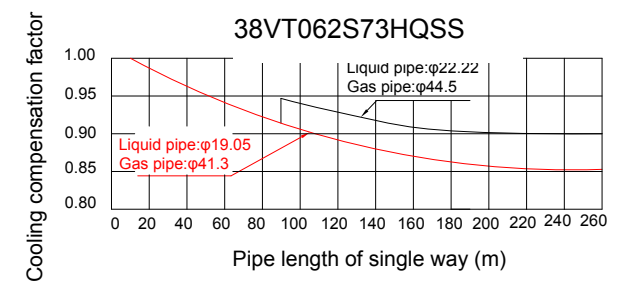
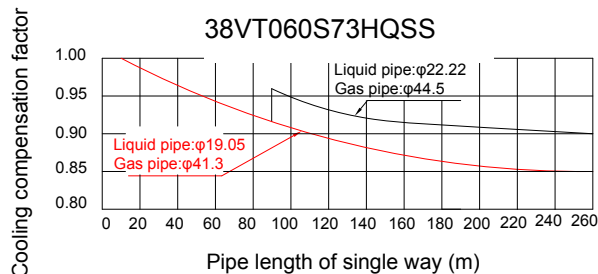
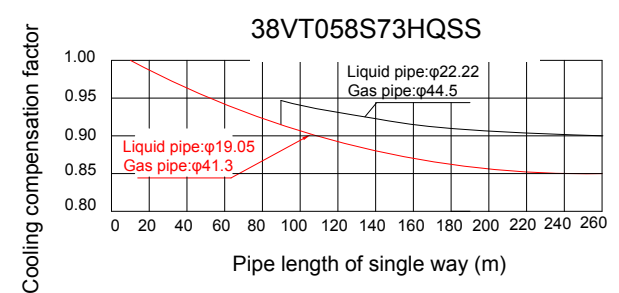
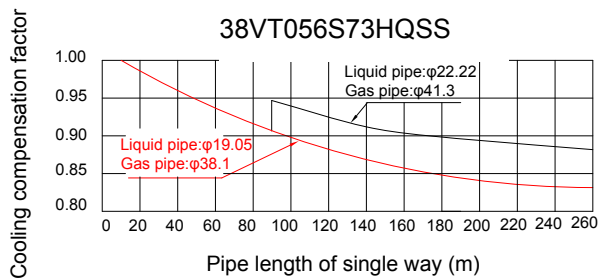
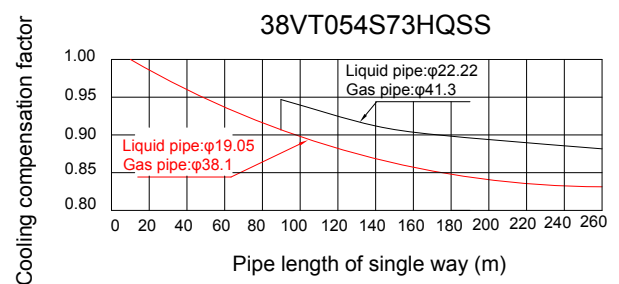
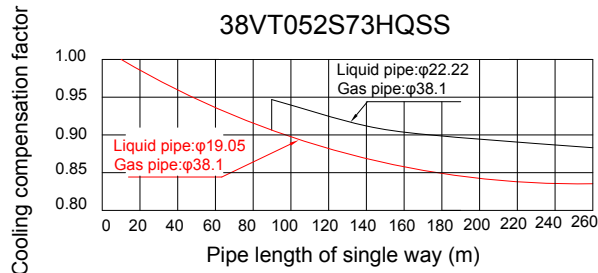
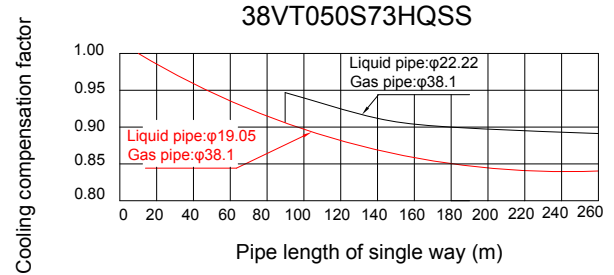
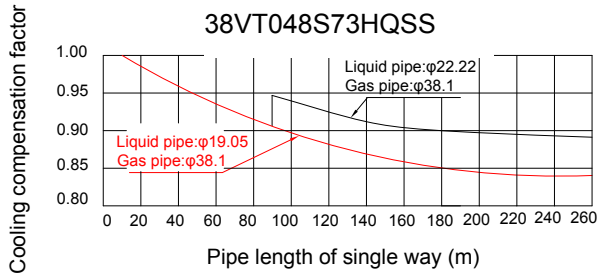
D Capacity compensation suitable for total capability of indoor unit group (cooling)

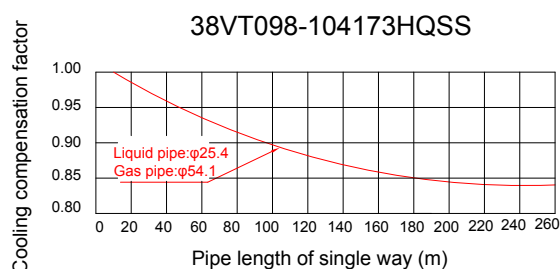
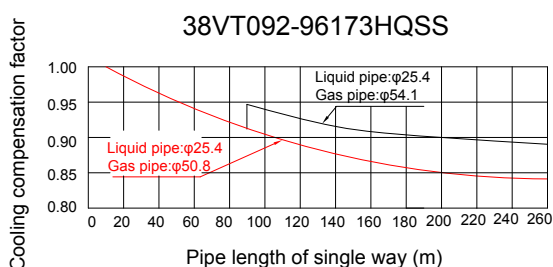
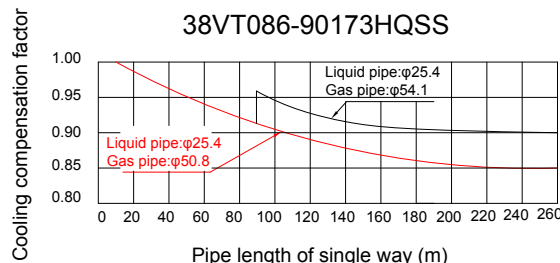
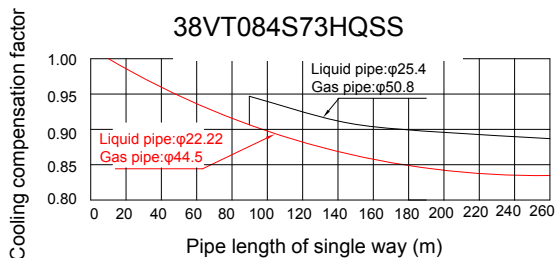
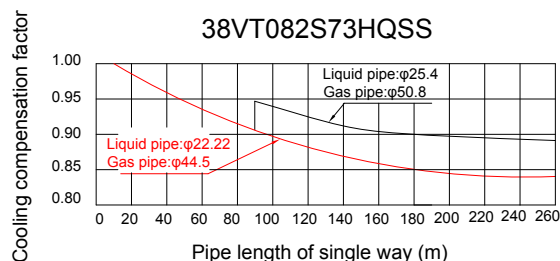
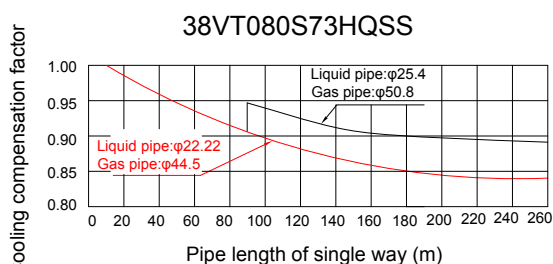
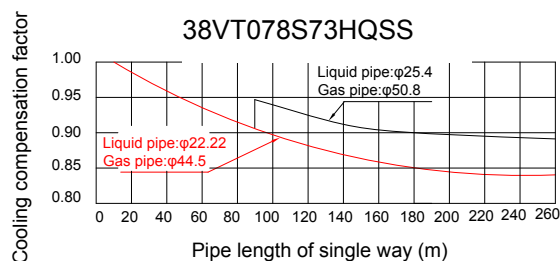
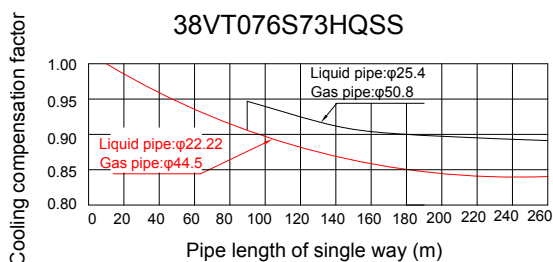
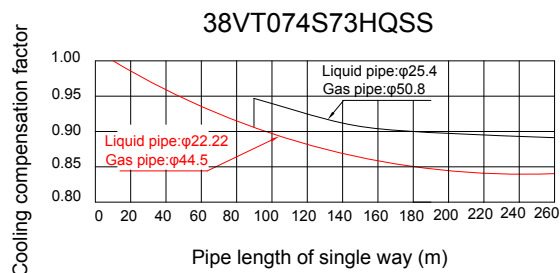
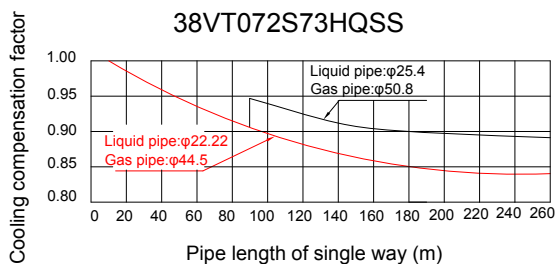


E: Capacity compensation value at different piping length and drop--cooling









Note:

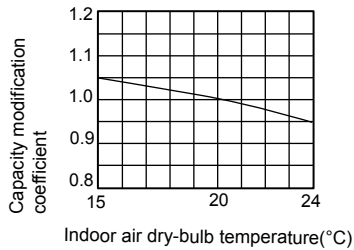
1. The refrigerant pipe should be enlarged when the single way length is over 90m.
2. When in cooling mode, outdoor is lower than indoor; or when in heating mode, outdoor is higher than indoor, the compensation factor should be decreased the below value from the above figure.

Vertical height drop between indoor and outdoor	5m	10m	15m	20m	25m	30m	35m	40m	45m	50m	60m	70m	80m	90m	100m	110m
Adjustment factor	0.003	0.006	0.009	0.012	0.015	0.018	0.021	0.024	0.027	0.03	0.033	0.036	0.039	0.042	0.045	0.05

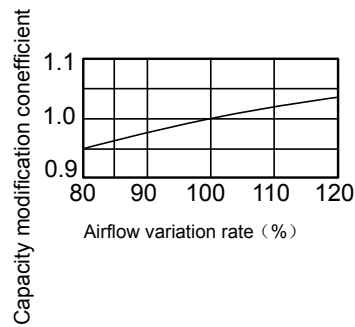
(2) Calculation method of heating capacity

---Heating capacity to be known=Heating capacity x(AxBxCxDxExF) W

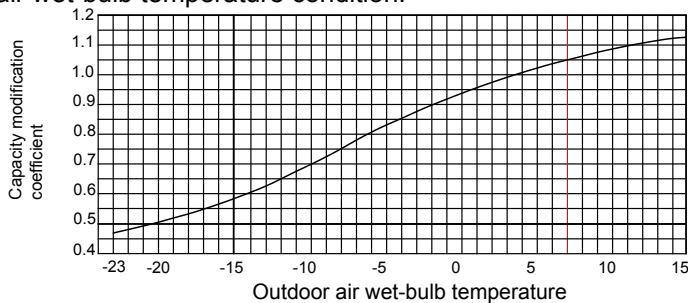
A. Capacity modification value under indoor air dry-bulb temperature condition.



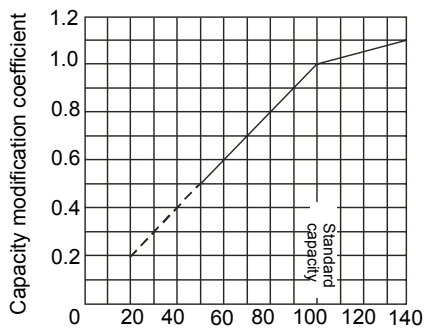
B. Capacity modification value under airflow variation rate of indoor unit group.



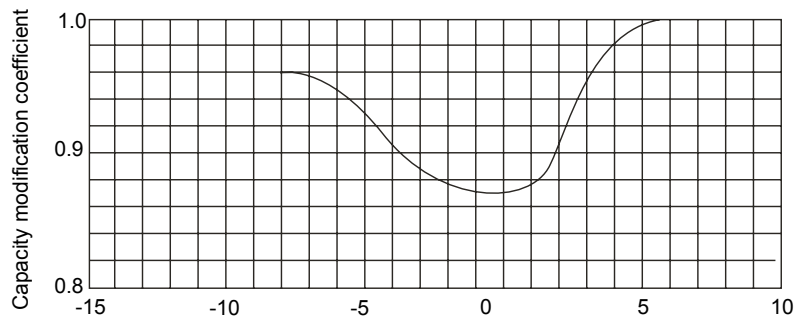
C. Capacity modification value under outdoor air wet-bulb temperature condition.



D. Capacity compensation suitable for total capability of indoor unit group(heating)



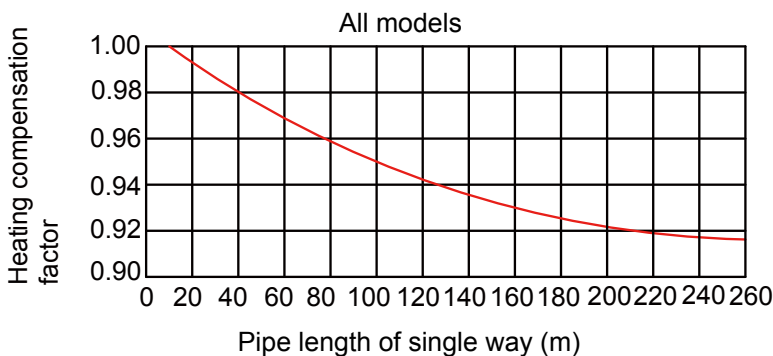
E. Capacity compensation coefficient for defrost capability of outdoor heat exchanger.



Total capacity of indoor unit group(%)

Outdoor air wet-bulb temperature

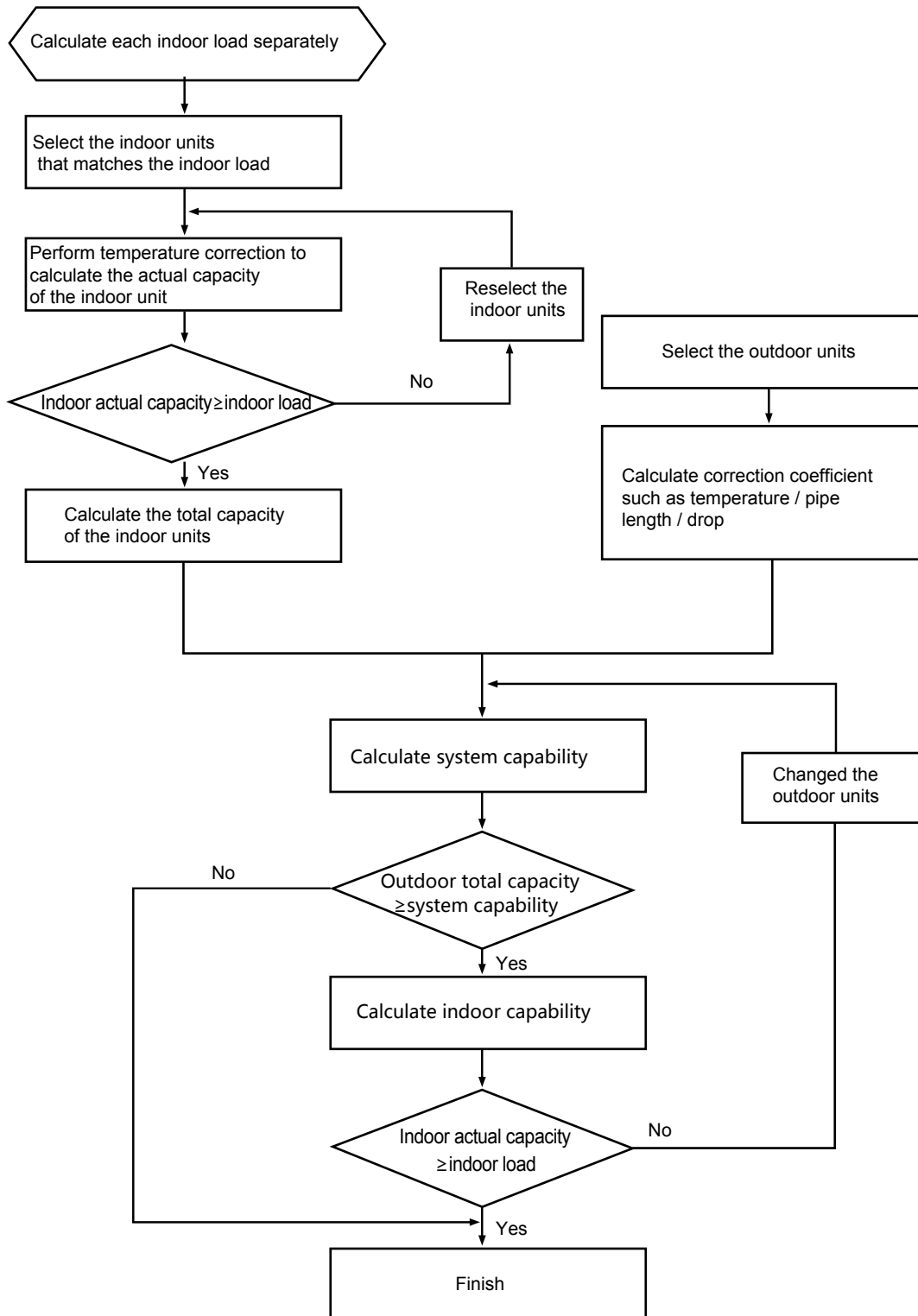
F. Heating compensation factor at different pipe length



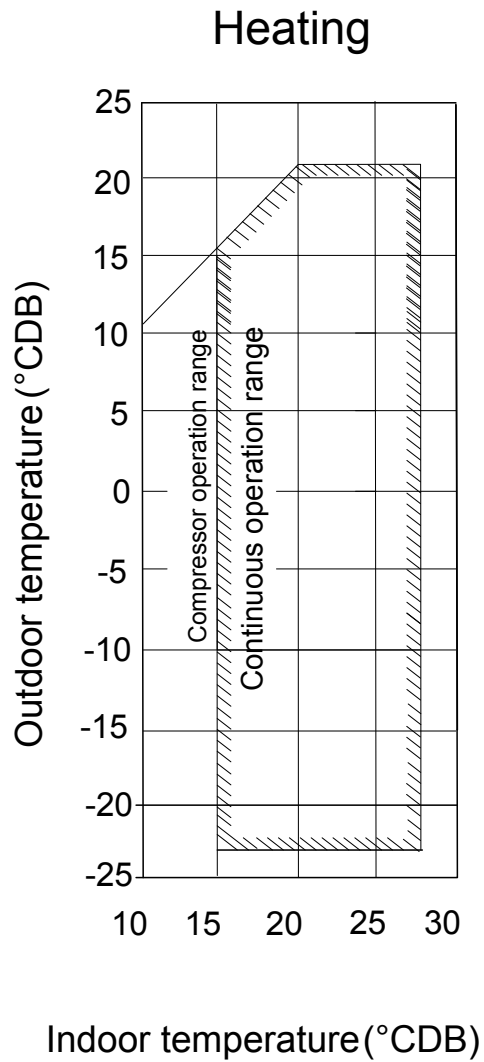
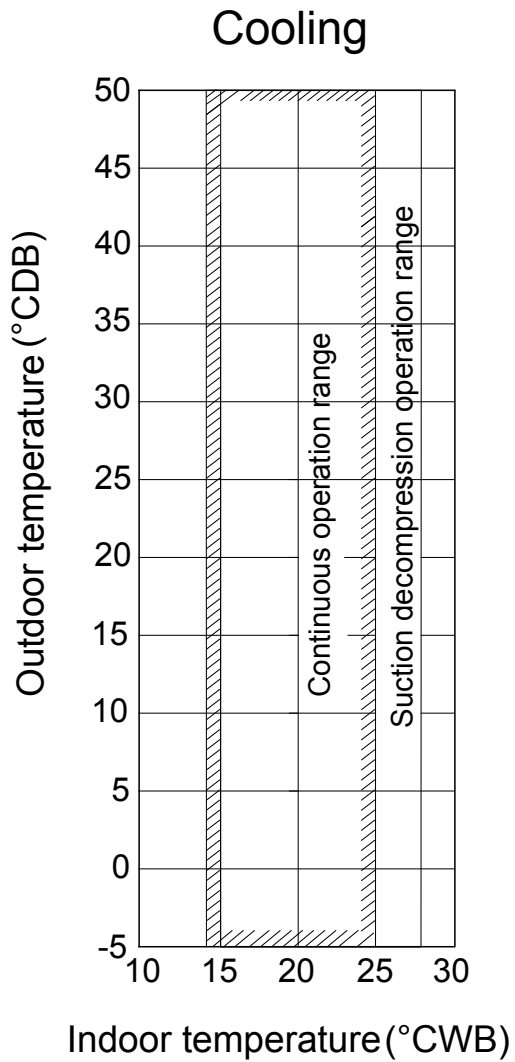
(3) Calculation method of cooling capacity-Only one indoor unit running

Outdoor modified capacity with a single indoor running=Outdoor modified capacity * $\frac{\text{stand by indoor normal capacity}}{\text{indoor total normal capacity}}$.

9. Selection procedure

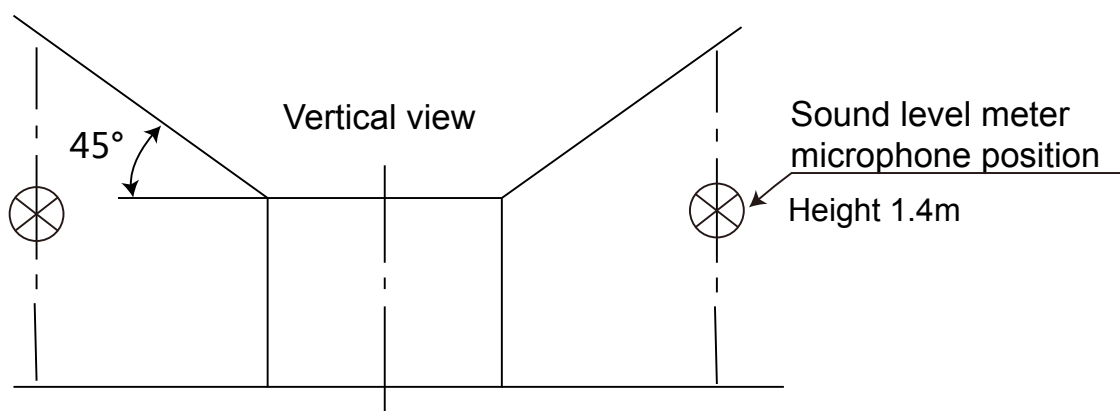
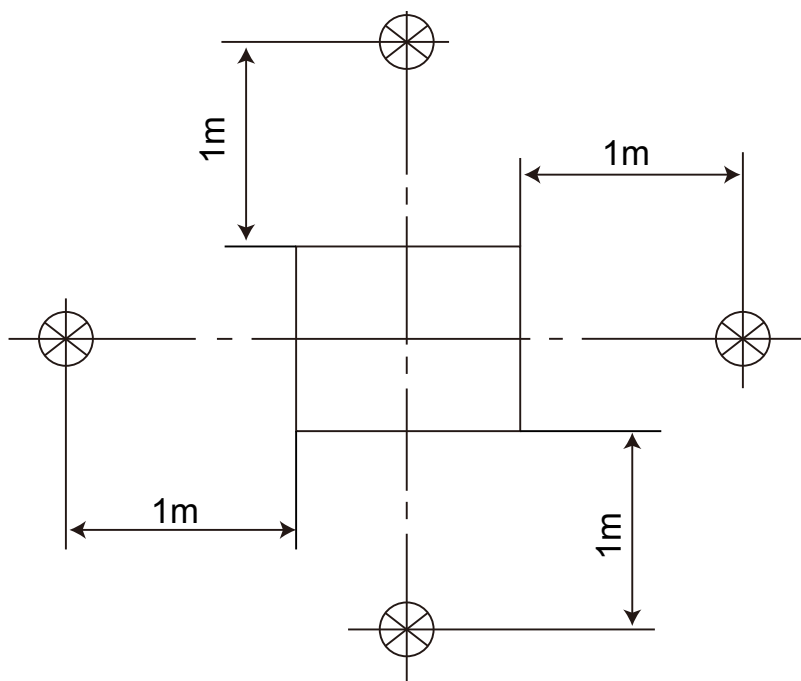


10. Operation range



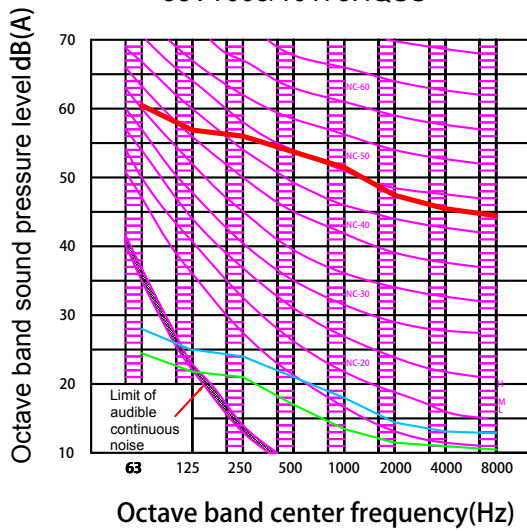
11. Noise level

1) Testing method

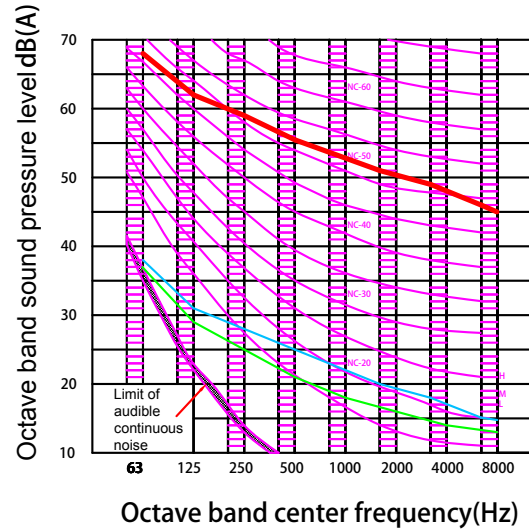


2) Octave band sound pressure level

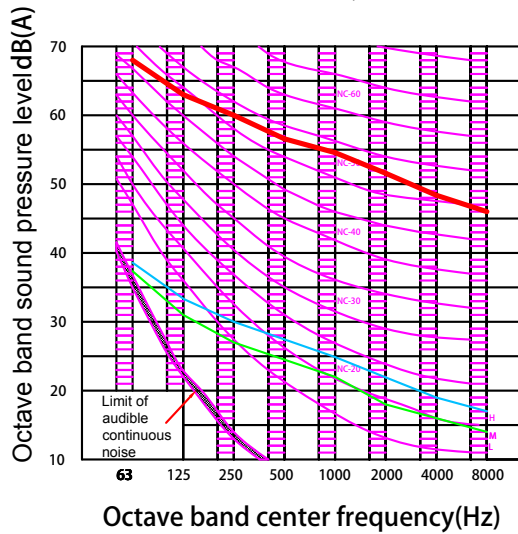
38VT008/10173HQSS



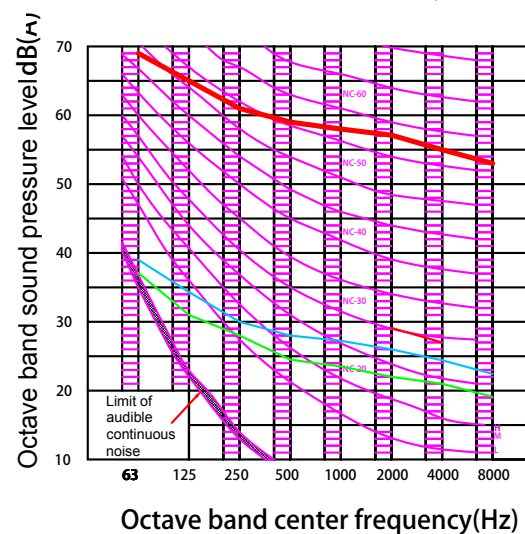
38VT012/14173HQSS



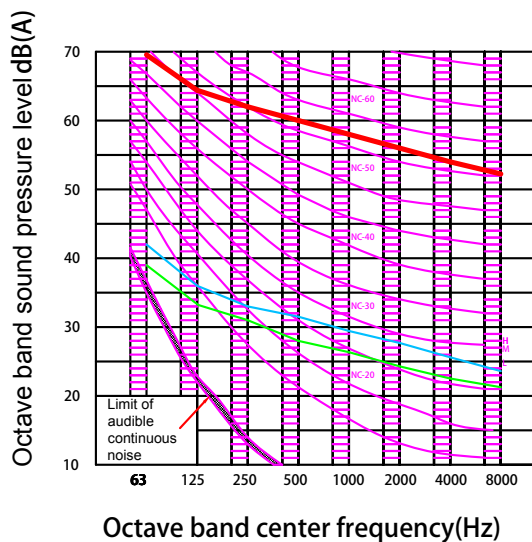
38VT016/173HQSS



38VT018/20/22173HQSS

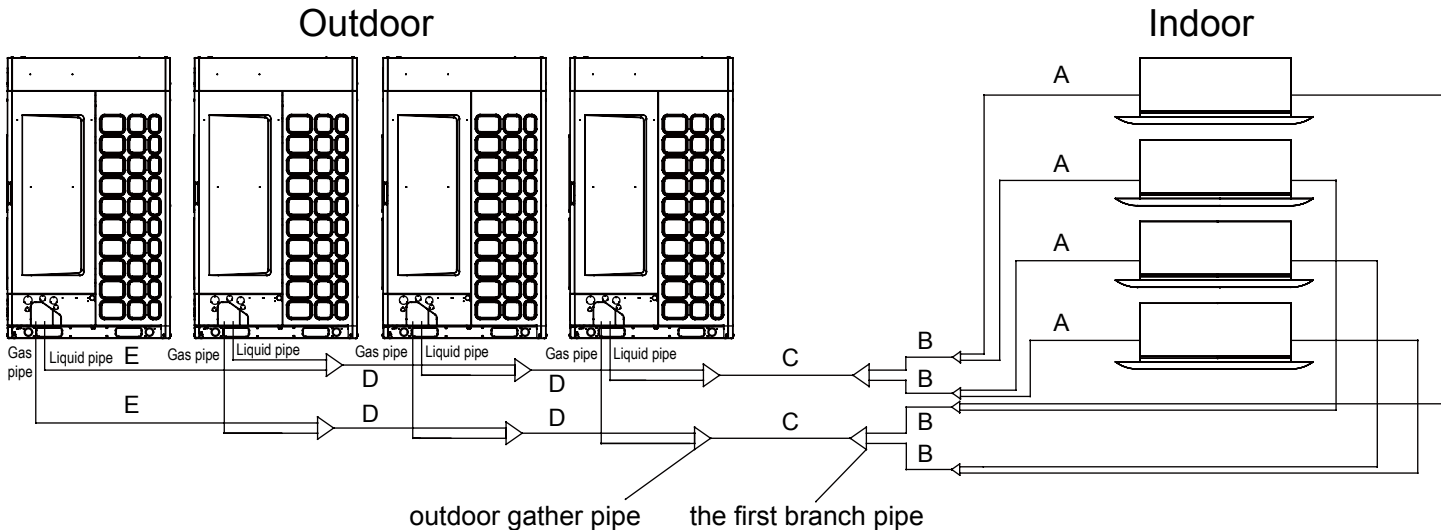


38VT024/26173HQSS



12. Refrigerant piping design

Pipe specification



1. Pipe "A" diameter (between indoor and branch pipe) (depends on indoor pipe)

Indoor (x100W)	Gas pipe	Liquid pipe
18~28	Ø9.52	Ø6.35
32~56	Ø12.7	Ø6.35
63~160	Ø15.88	Ø9.52
226-300	Ø25.4	Ø9.52
450-600	Ø28.58	Ø12.7

Note:

40VK007S-7S-QEE, 40VK009S-7S-QEE gas pipe: Ø12.7,
40VK018S-7S-QEE gas pipe/ liquid pipe: Ø15.88/9.52.

Note:

- If the distance between the unit and the nearest branch $\geq 15\text{m}$, Pipe "A" should be enlarged:
 - The capacity of indoor unites $\leq 5.6\text{kW}$, the gas pipe change to Ø15.88, the liquid pipe change to Ø9.52.
 - $5.6\text{kW} <$ the capacity of indoor unites $< 16.8\text{kW}$, the gas pipe change to Ø19.05, the liquid pipe change to Ø9.52.
 - The capacity of indoor unites $\geq 16.8\text{kW}$, the liquid pipe change to Ø12.7.
- The first sub-manifold distance from the longest indoor unit piping length ≥ 40 meters:
 - The first sub-manifold to the nearest indoor unit main pipe (gas /liquid pipe) must increase the pipe diameter.
 - The distance between the nearest indoor unit distance between the indoor unit ≤ 40 meters.

2. Pipe "B" diameter (between branch pipes)

Total indoor capacity after the branch pipe (kW)	Gas pipe	Liquid pipe
$< 16.8\text{kW}$	Ø15.88	Ø9.52
$16.8\text{kW} \leq X < 28.0\text{kW}$	Ø19.05	Ø9.52
$28.0\text{kW} \leq X < 33.5\text{kW}$	Ø22.22	Ø9.52
$33.5\text{kW} \leq X < 45.0\text{kW}$	Ø28.58	Ø12.7
$45.0\text{kW} \leq X < 71.0\text{kW}$	Ø28.58	Ø15.88
$71.0\text{kW} \leq X < 101.0\text{kW}$	Ø31.8	Ø19.05
$101.0\text{kW} \leq X < 158.0\text{kW}$	Ø38.1	Ø19.05
$158.0\text{kW} \leq X < 186.0\text{kW}$	Ø41.3	Ø19.05
$186.0\text{kW} \leq X < 240.0\text{kW}$	Ø44.5	Ø22.22
$240.0\text{kW} \leq X < 275.0\text{kW}$	Ø50.8	Ø25.4
$\geq 275\text{kW}$	Ø54.1	Ø25.4

3. Pipe “c” diameter (main pipe, between outdoor gather pipe and the first branch pipe)

Outdoor (HP)	Main pipe		Enlarged main pipe	
	Gas pipe	Liquid pipe	Gas pipe	Liquid pipe
8	Ø19.05	Ø9.52	Ø22.22	Ø12.7
10	Ø22.22	Ø9.52	Ø25.4	Ø12.7
12	Ø25.4	Ø12.7	Ø28.58	Ø15.88
14	Ø25.4	Ø12.7	Ø28.58	Ø15.88
16	Ø28.58	Ø12.7	Ø31.8	Ø15.88
18	Ø28.58	Ø15.88	Ø31.8	Ø19.05
20	Ø28.58	Ø15.88	Ø31.8	Ø19.05
22	Ø28.58	Ø15.88	Ø31.8	Ø19.05
24	Ø28.58	Ø15.88	Ø31.8	Ø19.05
26	Ø28.58	Ø15.88	Ø31.8	Ø19.05
28	Ø28.58	Ø15.88	Ø31.8	Ø19.05
30	Ø31.8	Ø19.05	Ø38.1	Ø22.22
32	Ø31.8	Ø19.05	Ø38.1	Ø22.22
34	Ø31.8	Ø19.05	Ø38.1	Ø22.22
36	Ø38.1	Ø19.05	Ø38.1	Ø22.22
38	Ø38.1	Ø19.05	Ø38.1	Ø22.22
40	Ø38.1	Ø19.05	Ø38.1	Ø22.22
42	Ø38.1	Ø19.05	Ø38.1	Ø22.22
44	Ø38.1	Ø19.05	Ø38.1	Ø22.22
46	Ø38.1	Ø19.05	Ø38.1	Ø22.22
48	Ø38.1	Ø19.05	Ø38.1	Ø22.22
50	Ø38.1	Ø19.05	Ø38.1	Ø22.22
52	Ø38.1	Ø19.05	Ø38.1	Ø22.22
54	Ø38.1	Ø19.05	Ø41.3	Ø22.22
56	Ø38.1	Ø19.05	Ø41.3	Ø22.22

Outdoor (HP)	Main pipe		Enlarged main pipe	
	Gas pipe	Liquid pipe	Gas pipe	Liquid pipe
58	Ø41.3	Ø19.05	Ø44.5	Ø22.22
60	Ø41.3	Ø19.05	Ø44.5	Ø22.22
62	Ø41.3	Ø19.05	Ø44.5	Ø22.22
64	Ø41.3	Ø19.05	Ø44.5	Ø22.22
66	Ø41.3	Ø19.05	Ø44.5	Ø22.22
68	Ø44.5	Ø22.22	Ø50.8	Ø25.4
70	Ø44.5	Ø22.22	Ø50.8	Ø25.4
72	Ø44.5	Ø22.22	Ø50.8	Ø25.4
74	Ø44.5	Ø22.22	Ø50.8	Ø25.4
76	Ø44.5	Ø22.22	Ø50.8	Ø25.4
78	Ø44.5	Ø22.22	Ø50.8	Ø25.4
80	Ø44.5	Ø22.22	Ø50.8	Ø25.4
82	Ø44.5	Ø22.22	Ø50.8	Ø25.4
84	Ø44.5	Ø22.22	Ø50.8	Ø25.4
86	Ø50.8	Ø25.4	Ø54.1	Ø25.4
88	Ø50.8	Ø25.4	Ø54.1	Ø25.4
90	Ø50.8	Ø25.4	Ø54.1	Ø25.4
92	Ø50.8	Ø25.4	Ø54.1	Ø25.4
94	Ø50.8	Ø25.4	Ø54.1	Ø25.4
96	Ø50.8	Ø25.4	Ø54.1	Ø25.4
98	Ø54.1	Ø25.4	Ø54.1	Ø25.4
100	Ø54.1	Ø25.4	Ø54.1	Ø25.4
102	Ø54.1	Ø25.4	Ø54.1	Ø25.4
104	Ø54.1	Ø25.4	Ø54.1	Ø25.4

Note: When the distance from outdoor to the longest indoor is over 90m, the main pipe diameter should be enlarged.

4. Pipe “D” diameter (between gather pipes)

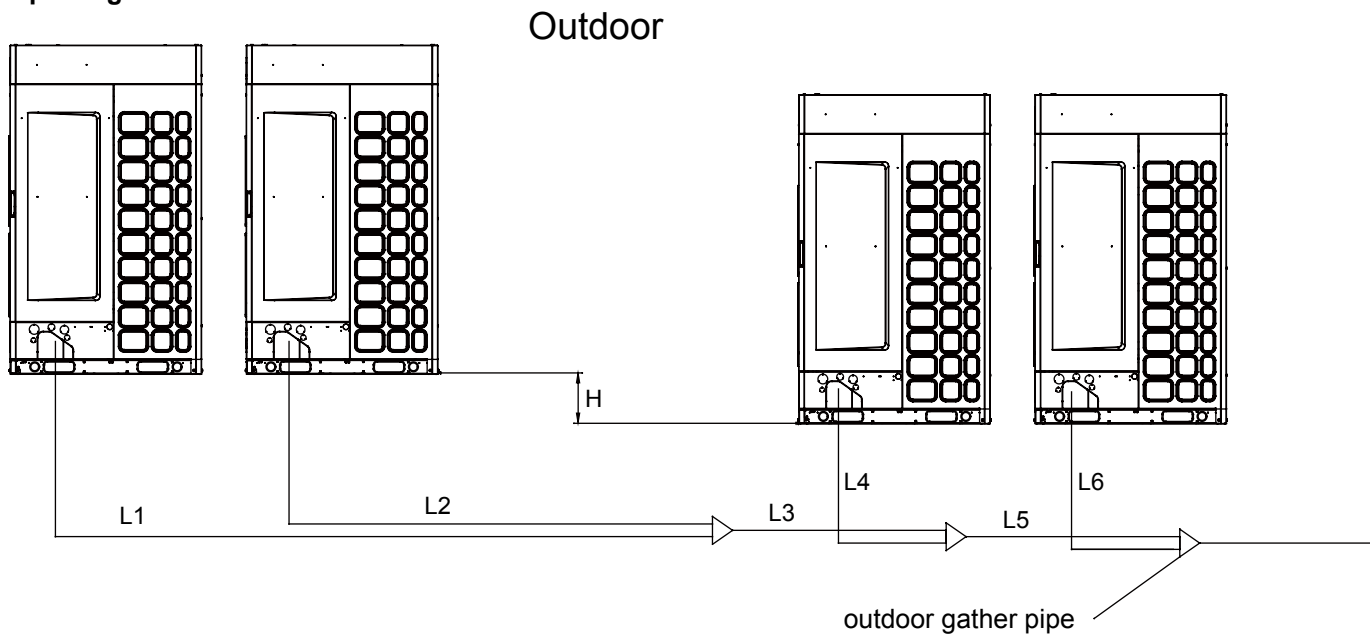
Total horse power of connected outdoors	Gas pipe	Liquid pipe
8HP	Ø19.05	Ø9.52
10HP	Ø22.22	Ø9.52
12-14HP	Ø25.4	Ø12.7
16HP	Ø28.58	Ø12.7
18-26HP	Ø28.58	Ø15.88
28-34HP	Ø31.8	Ø19.05
36-56HP	Ø38.1	Ø19.05
58-66HP	Ø41.3	Ø19.05
68-78HP	Ø44.5	Ø22.22

5. Pipe “e” diameter (between outdoor and the gather pipe)

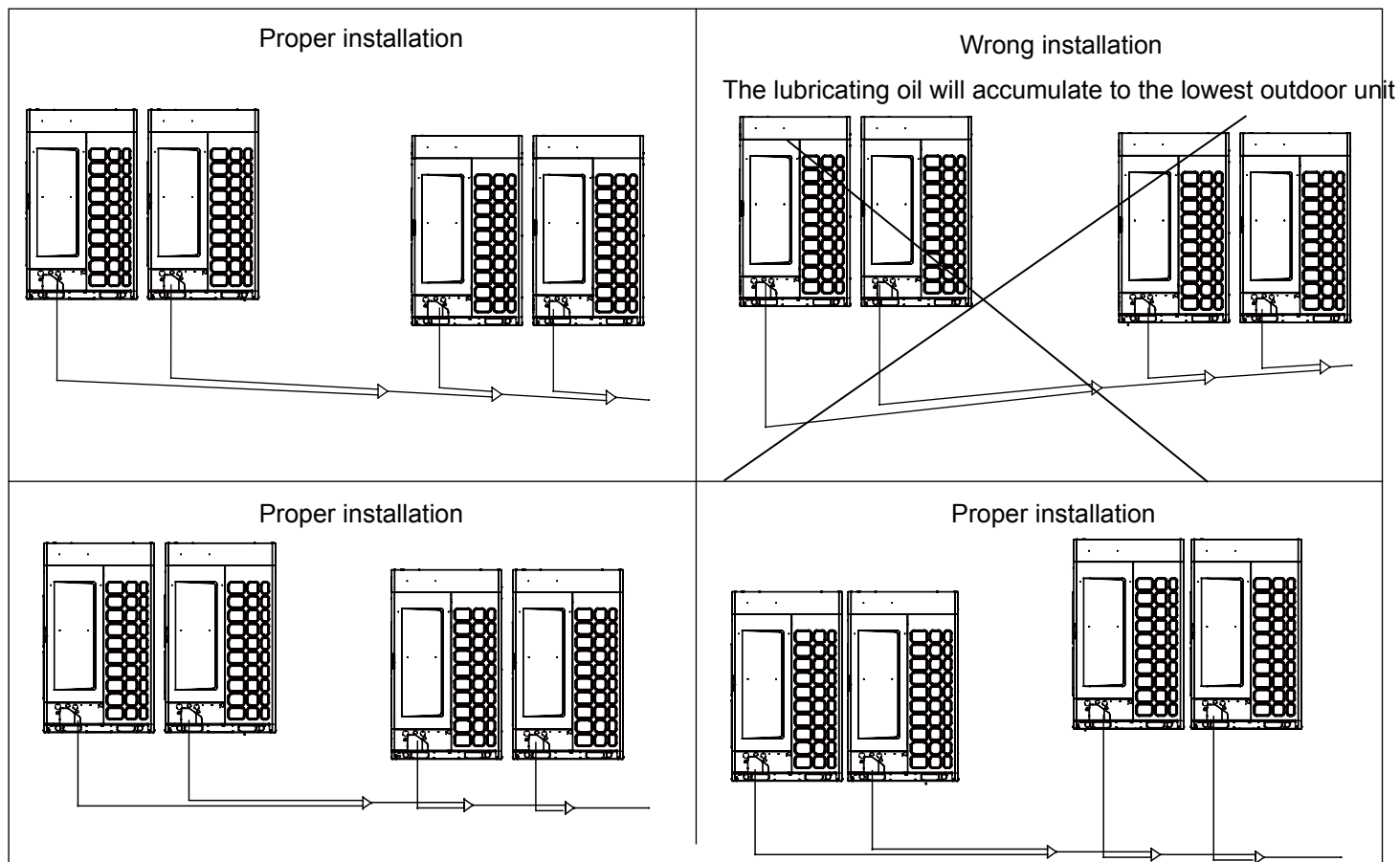
Outdoor (HP)	Gas pipe		Liquid pipe		Remarks
	Pipe diameter	Connection method	Pipe diameter	Connection method	
8	Ø19.05	Flared joint	Ø9.52	Flared joint	Please use the attached connection pipe diameter
10	Ø22.22	Brazing	Ø9.52		
12	Ø25.4		Ø12.7		
14	Ø25.4		Ø12.7		
16	Ø28.58		Ø12.7		
18	Ø28.58		Ø15.88		
20	Ø28.58		Ø15.88		
22	Ø28.58		Ø15.88		
24	Ø28.58		Ø15.88		
26	Ø28.58		Ø15.88		

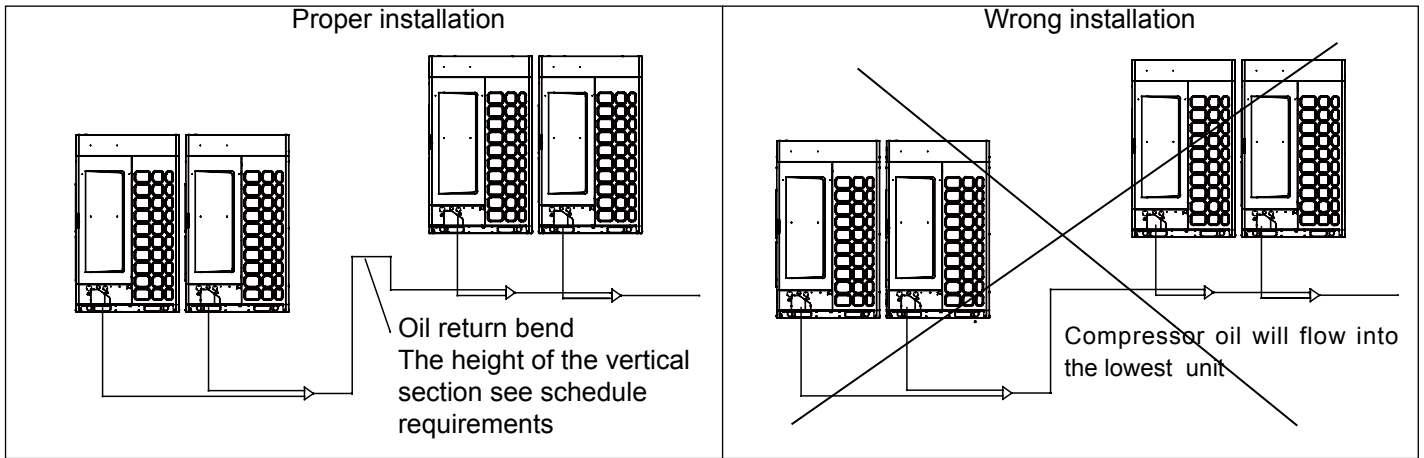
Allowable piping length and drop between indoor and outdoor

1. Pipe length between outdoors

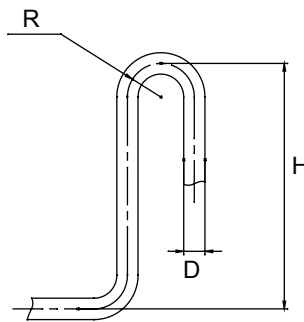
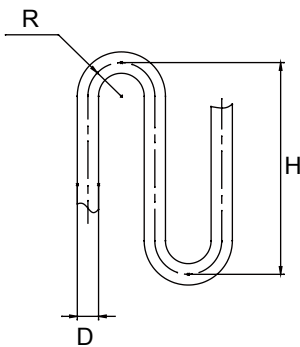


1. $L1 \leq 10m$; $L2 \leq 10m$; $L3 \leq 10m$; $L4 \leq 10m$; $L5 \leq 10m$; $L6 \leq 10m$; $L1 + L3 + L5 \leq 10m$.
2. Height difference between outdoors: $h \leq 5m$.
3. The piping connecting outdoor unit must be placed horizontally or in accordance with the installation of a certain angle (level angle less than 15 degrees), connected with a concave not allowed.
4. All piping cannot connect the outdoor unit is higher than the height of the machine outlet (valve interface part).



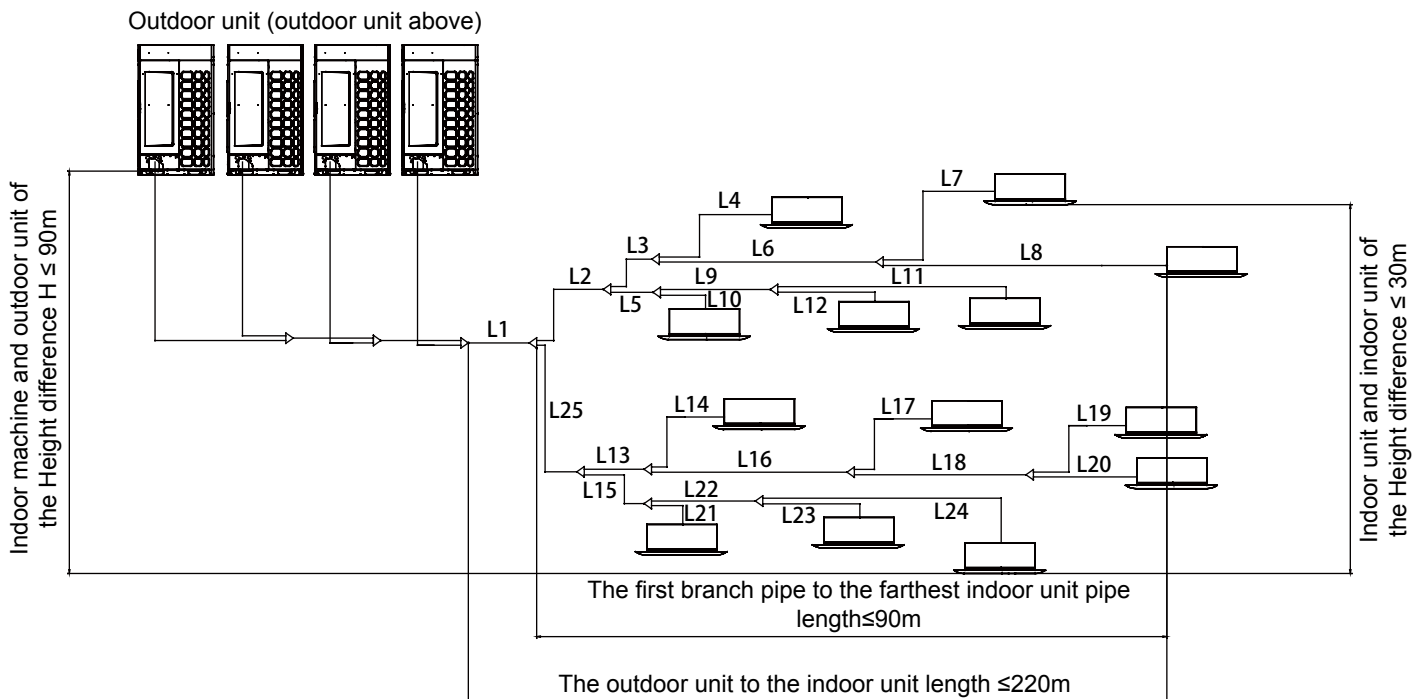


In order to avoid damage to the pipe, the size of the return bend should follow below:



Pipe diameter D	Bending radius R	Vertical height H
Ø19.05	≥31	≤150
Ø22.22	≥31	≤150
Ø25.4	≥45	≤150
Ø28.58	≥45	≤150
Ø31.8	≥60	≤250
Ø38.1	≥60	≤350
Ø41.3	≥80	≤450
Ø44.5	≥80	≤500
Ø50.8	≥90	≤500
Ø54.1	≥90	≤500

2. Allowable piping length and drop between indoor and outdoor



		Max. length	
Single way total pipe length (=total liquid pipe length)		1000m	L1+L2+L3+L4+L5+L6+L7+L8+L9 +L10+L11+L12+L13+L14+L15+... ...+L24+La+Lb+Lc+Ld+Le+Lf+Lg
Single way max. pipe length (max. length between outdoor & indoor) actual length		220m	L1+ L2+L3+ L6+ L8+La+Le+Lf+Lg
Main pipe actual length (length between first gather pipe & first branch pipe)		130m	L1
Pipe length after first branch pipe (length between first branch & farthest indoor)		90	L2+L3+L6+L8
The distance between the nearest indoor unit and the farthest indoor		40	L8+L6+L3-L5-L10
Pipe length among outdoor units (length between first gather pipe & farthest outdoor unit)		10m	La+Le+Lf+Lg
Height difference between indoors		30m	h2
Height difference between outdoors		5m	h1
Height difference between IDU & ODU	IDU below ODU (between highest outdoor & lowest indoor)	90m*	H1
	IDU above ODU (between lowest outdoor & highest indoor)	110m*	H2

Piping Limitations

1. If Height drop between Outdoor and indoor units bigger than 50m and smaller than 110m:
 - 1)The system performance will be influenced if more than 100% indoor units operate at the same time.
 - 2)The pipe size should be enlarged one size
 - 3)The Outdoor dip switch changed to Long pipe installation method.
 - 4)If pipe length bigger than 500m -single way pipe length, add 0.3L compressor oil per 100m

Note: If the Height drop between indoor and outdoor bigger than 70 m and > 500m total piping length, please check with Tech. dept. for reference. Selection software gives a warning.

2.The indoor units Height drop can be up to than 30m

If Heating is important & IDU-IDU maximum height difference > 18m, consider enlarging IDU pipe size:

- 1) Capacity ≤ 5.6kw, IDU Gas/liquid pipe size should be changed to Ø15.88/Ø9.52
- 2) Capacity bigger than > 5.6kW and < 16.8kW, IDU Gas/liquid pipe size should be changed to Ø19.05/Ø9.52
- 3) Capacity bigger than ≥ 16.8KW, IDU liquid pipe size should be changed to Ø12.7

13. Branch pipe between outdoor units dimension

Unit: mm ID: inner diameter OD: outer diameter

Model	Gas side branch pipe	Liquid side branch pipe	Gas side connection of branch pipe	Liquid side connection of branch pipe
40VJ012M7-HQEE				
40VJ018M7-HQEE				
40VJ026M7-HQEE				

Model	Gas side branch pipe	Liquid side branch pipe	Gas side connection of branch pipe	Liquid side connection of branch pipe
40VJ048M7-HQEE				
40VJ072M7-HQEE				

Gather pipe is used for combination of outdoor unit. 40VJ052G7-HQEE (for 2 basic modules); 40VJ078G7-HQEE(for 3 basic modules).; 40VJ078G7-HQEE + 40VJ072M7-HQEE(for 4 basic modules)

Unit: mm,

ID: inner diameter;

OD: outer diameter.

Note: Cut off the pipe from its middle when using

Model	Side	Mark	Gather pipe	Connection of gather pipe
40VJ052G7-HQEE	Suction gas side	(A)		
	Liquid side	(B)		
40VJ078G7-HQEE	Suction gas side	(C)		
		(D)		
	Liquid side	(E)		
		(F)		double

14. Refrigerant charge calculation

Charge the additional refrigerant as liquid state with the gauge.

If the additional refrigerant can not be charged totally when the outdoor stops, charge it by the trial mode.

If the unit runs for a long period in the state of lack of refrigerant, compressor might fail.

(the charging must be finished within 30 minutes especially when the unit is running, meanwhile charging the refrigerant).

The unit is charged only with part of the refrigerant at the factory, it also needs additional refrigerant charge at the installation site.

W1: Refrigerant charging volume to outdoor unit at factory.

W2: Refrigerant charging volume to outdoor unit on site.

W3: Refrigerant charging volume to liquid pipe base on different piping length calculation.

W3=actual length of liquid pipe×additional amount per meter liquid pipe=

$(L1 \times 0.52) + (L2 \times 0.35) + (L3 \times 0.25) + (L4 \times 0.17) + (L5 \times 0.11) + (L6 \times 0.054) + (L7 \times 0.022)$

L1: Total length of 25.4 liquid pipe; L2: Total length of 22.22 liquid pipe; L3: Total length of 19.05 liquid pipe;

L4: Total length of 15.88 liquid pipe; L5: Total length of 12.7 liquid pipe; L6: Total length of 9.52 liquid pipe;

L7: Total length of 6.35 liquid pipe

Total refrigerant volume charging on site during installation=W2+W3

W: Total refrigerant volume charging on site for maintenance.

Refrigerant record form						
Model	W1: Refrigerant charging volume to outdoor unit at factory	W2: Refrigerant charging volume to outdoor unit on site	W3: Refrigerant charging volume to liquid pipe base on different piping length calculation		Total refrigerant volume charging on site during installation	W: Total refrigerant volume charging on site for maintenance
			Liquid pipe diameter (mm)	Additional refrigerant amount (kg)		
8HP	8.5	0	Ø6.35	0.022kg/m×__m=__kg	W2+W3= __kg	W1+W2+W3= __kg
10HP	8.5	0	Ø9.52	0.054kg/m×__m=__kg		
12HP	8.5	0	Ø12.7	0.11kg/m×__m=__kg		
14HP	10	0	Ø15.88	0.17kg/m×__m=__kg		
16HP	10	0	Ø19.05	0.25kg/m×__m=__kg		
18HP	10	0.5	Ø22.22	0.35kg/m×__m=__kg		
20HP	10	4	Ø25.4	0.52kg/m×__m=__kg		
22HP	10	4.5	W3= __kg			
24HP	10	4.5				
26HP	10	5				

Note:

- To prevent the oil going into the pipe, please use the special tool for R410A, especially for gauge manifold and charging hose.
- Mark the refrigerant type in different colour on the tank. R410A is pink.
- Must not use the charging cylinder, because the R410A will change when transferring to the cylinder.
- When charging refrigerant, the refrigerant should be taken out from the tank as liquid state.
- Mark the counted refrigerant volume due to the distributing pipe length on the label.

GWP: 2088

The product contains fluorinated greenhouse gases and its functioning relies upon such gases.

15. Capacity data and part load

15.1 Top side (380V) outdoor unit cooling capacity tables

		38VT008173HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	21.23	3.39	23.88	3.65	23.61	4.88	27.77	5.14	28.60	5.29	29.16	5.40	30.27	5.71
	0.00	21.23	3.39	23.88	3.65	23.61	4.88	27.77	5.14	28.60	5.29	29.16	5.40	30.27	5.71
	5.00	21.23	3.39	23.88	3.65	23.61	4.88	27.77	5.14	28.60	5.29	29.16	5.40	30.27	5.71
	10.00	21.23	3.39	23.65	3.65	23.38	4.88	27.50	5.14	28.33	5.29	28.88	5.40	29.98	5.71
	15.00	21.23	3.43	23.65	3.65	23.38	4.88	27.50	5.20	28.33	5.35	28.88	5.46	29.98	5.77
	20.00	21.23	3.43	24.35	3.65	24.06	4.43	28.31	4.43	29.16	4.43	29.73	4.43	30.86	5.71
	25.00	21.23	3.43	23.65	3.73	23.38	4.99	27.50	5.25	28.33	5.41	28.88	5.52	29.98	5.83
	30.00	21.03	3.47	23.88	3.85	23.61	5.15	27.77	5.43	28.60	5.59	29.16	5.70	30.27	6.02
	35.00	20.22	3.77	23.19	4.05	22.92	5.43	26.96	5.71	27.77	5.88	28.31	6.00	29.39	6.34
	39.00	19.82	3.88	22.72	4.34	22.46	5.81	26.42	6.00	27.22	6.18	27.74	6.30	28.80	6.66
	41.00	19.01	3.96	21.80	4.50	21.54	6.03	25.35	6.17	26.11	6.36	26.61	6.48	27.63	6.85
	43.00	18.60	4.00	21.33	4.71	21.09	6.30	24.81	6.29	25.55	6.47	26.05	6.60	27.04	6.98
46.00	16.18	4.38	18.55	5.08	18.33	6.79	21.57	7.15	22.22	7.37	22.65	7.51	23.51	7.94	
50.00	13.14	4.57	15.07	5.12	14.90	6.85	17.53	7.44	18.05	7.66	18.40	7.81	19.10	8.26	
120%	-5.00	20.84	3.39	23.44	3.65	23.16	4.88	27.25	5.14	28.07	5.29	28.62	5.40	29.71	5.71
	0.00	20.84	3.39	23.44	3.65	23.16	4.88	27.25	5.14	28.07	5.29	28.62	5.40	29.71	5.71
	5.00	20.84	3.39	23.44	3.65	23.16	4.88	27.25	5.14	28.07	5.29	28.62	5.40	29.71	5.71
	10.00	20.84	3.39	23.21	3.65	22.94	4.88	26.99	5.14	27.80	5.29	28.34	5.40	29.42	5.71
	15.00	20.84	3.43	23.21	3.65	22.94	4.88	26.99	5.20	27.80	5.35	28.34	5.46	29.42	5.77
	20.00	20.84	3.43	23.89	3.65	23.61	4.88	27.78	5.14	28.62	5.29	29.17	5.40	30.28	5.71
	25.00	20.84	3.43	23.21	3.73	22.94	4.99	26.99	5.25	27.80	5.41	28.34	5.52	29.42	5.83
	30.00	20.64	3.47	23.44	3.85	23.16	5.15	27.25	5.43	28.07	5.59	28.62	5.70	29.71	6.02
	35.00	19.84	3.77	22.75	4.05	22.49	5.43	26.46	5.71	27.25	5.88	27.78	6.00	28.84	6.34
	39.00	19.45	3.86	22.30	4.32	22.04	5.78	25.93	5.97	26.71	6.02	27.23	6.84	28.26	6.62
	41.00	18.65	3.90	21.39	4.44	21.14	5.94	24.87	6.08	25.62	6.26	26.11	6.39	27.11	6.75
	43.00	18.26	3.94	20.93	4.64	20.69	6.21	24.34	6.19	25.07	6.38	25.56	6.50	26.53	6.88
46.00	15.88	4.31	18.20	5.00	17.99	6.70	21.17	7.05	21.80	7.26	22.23	7.40	23.07	7.82	
50.00	12.90	4.50	14.79	5.04	14.62	6.75	17.20	7.33	17.71	7.55	18.06	7.70	18.75	8.14	
110%	-5.00	20.44	3.38	22.99	3.63	22.72	4.86	26.73	5.11	27.54	5.27	28.07	5.37	29.14	5.68
	0.00	20.44	3.38	22.99	3.63	22.72	4.86	26.73	5.11	27.54	5.27	28.07	5.37	29.14	5.68
	5.00	20.44	3.38	22.99	3.63	22.72	4.86	26.73	5.11	27.54	5.27	28.07	5.37	29.14	5.68
	10.00	20.44	3.38	22.77	3.63	22.50	4.86	26.47	5.11	27.27	5.27	27.80	5.37	28.86	5.68
	15.00	20.44	3.41	22.77	3.63	22.50	4.86	26.47	5.17	27.27	5.33	27.80	5.43	28.86	5.74
	20.00	20.44	3.41	23.44	3.63	23.16	4.86	27.25	5.11	28.07	5.27	28.62	5.37	29.71	5.68
	25.00	20.44	3.41	22.77	3.71	22.50	4.97	26.47	5.23	27.27	5.39	27.80	5.49	28.86	5.80
	30.00	20.24	3.45	22.99	3.83	22.72	5.13	26.73	5.40	27.54	5.56	28.07	5.67	29.14	5.99
	35.00	19.47	3.75	22.32	4.03	22.06	5.40	25.95	5.68	26.73	5.85	27.25	5.97	28.29	6.31
	39.00	19.08	3.86	21.87	4.32	21.62	5.78	25.44	5.97	26.20	6.15	26.71	6.27	27.73	6.62
	41.00	18.30	3.90	20.98	4.44	20.74	5.94	24.40	6.08	25.13	6.26	25.62	6.38	26.59	6.75
	43.00	17.91	3.94	20.54	4.64	20.30	6.21	23.88	6.19	24.59	6.38	25.07	6.50	26.03	6.88
46.00	15.57	4.31	17.86	5.00	17.65	6.69	20.76	7.05	21.39	7.26	21.80	7.40	22.63	7.82	
50.00	12.65	4.50	14.51	5.04	14.34	6.75	16.87	7.33	17.38	7.55	17.71	7.70	18.39	8.14	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT008173HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	19.84	3.33	22.32	3.58	22.06	4.79	25.95	5.04	26.73	5.19	27.25	5.29	28.29	5.59		
	0.00	19.84	3.33	22.32	3.58	22.06	4.79	25.95	5.04	26.73	5.19	27.25	5.29	28.29	5.59		
	5.00	19.84	3.33	22.32	3.58	22.06	4.79	25.95	5.04	26.73	5.19	27.25	5.29	28.29	5.59		
	10.00	19.84	3.33	22.10	3.58	21.85	4.79	25.70	5.04	26.47	5.19	26.99	5.29	28.02	5.59		
	15.00	19.84	3.36	22.10	3.58	21.85	4.79	25.70	5.10	26.47	5.25	26.99	5.35	28.02	5.66		
	20.00	19.84	3.36	22.75	3.58	22.49	4.79	26.46	5.04	27.25	5.19	27.78	5.29	28.84	5.59		
	25.00	19.84	3.36	22.10	3.66	21.85	4.89	25.70	5.15	26.47	5.31	26.99	5.41	28.02	5.72		
	30.00	19.66	3.40	22.32	3.78	22.06	5.05	25.95	5.32	26.73	5.48	27.25	5.58	28.29	5.90		
	35.00	18.90	3.70	21.67	3.98	21.42	5.32	25.20	5.60	25.95	5.77	26.46	5.88	27.47	6.21		
	39.00	18.52	3.81	21.24	4.25	20.99	5.69	24.70	5.88	25.44	6.06	25.93	6.17	26.92	6.53		
	41.00	17.77	3.84	20.37	4.37	20.13	5.85	23.69	5.99	24.40	6.17	24.87	6.29	25.82	6.65		
	43.00	17.39	3.88	19.94	4.57	19.71	6.12	23.18	6.10	23.88	6.29	24.34	6.41	25.27	6.77		
	46.00	15.12	4.25	17.34	4.93	17.14	6.60	20.16	6.94	20.76	7.15	21.17	7.29	21.97	7.71		
50.00	12.28	4.43	14.09	4.97	13.92	6.65	16.38	7.22	16.87	7.44	17.20	7.58	17.85	8.02			
90%	-5.00	18.85	2.99	21.21	3.22	20.96	4.31	24.66	4.54	25.40	4.67	25.89	4.76	26.88	5.03		
	0.00	18.85	2.99	21.21	3.22	20.96	4.31	24.66	4.54	25.40	4.67	25.89	4.76	26.88	5.03		
	5.00	18.85	2.99	21.21	3.22	20.96	4.31	24.66	4.54	25.40	4.67	25.89	4.76	26.88	5.03		
	10.00	18.85	2.99	21.00	3.22	20.76	4.31	24.42	4.54	25.15	4.67	25.64	4.76	26.62	5.03		
	15.00	18.85	3.03	21.00	3.22	20.76	4.31	24.42	4.59	25.15	4.72	25.64	4.81	26.62	5.09		
	20.00	18.85	3.03	21.62	3.22	21.37	4.31	25.14	4.54	25.89	4.67	26.39	4.76	27.40	5.03		
	25.00	18.85	3.03	21.00	3.29	20.76	4.40	24.42	4.64	25.15	4.77	25.64	4.87	26.62	5.15		
	30.00	18.67	3.06	21.21	3.40	20.96	4.55	24.66	4.79	25.40	4.93	25.89	5.03	26.88	5.31		
	35.00	17.95	3.33	20.59	3.58	20.35	4.79	23.94	5.04	24.66	5.19	25.14	5.29	26.09	5.59		
	39.00	17.60	3.43	20.18	3.83	19.94	5.12	23.46	5.29	24.16	5.45	24.63	5.56	25.57	5.87		
	41.00	16.88	3.46	19.35	3.94	19.13	5.27	22.50	5.39	23.18	5.55	23.63	5.66	24.53	5.98		
	43.00	16.87	3.49	19.34	4.11	19.11	5.51	22.49	5.49	23.16	5.66	23.61	5.77	24.51	6.10		
	46.00	14.82	3.53	16.99	4.09	16.79	5.47	19.76	5.76	20.35	5.94	20.74	6.05	21.53	6.40		
50.00	12.04	3.77	13.80	4.22	13.64	5.65	16.05	6.14	16.53	6.32	16.85	6.45	17.50	6.81			
80%	-5.00	15.88	2.39	17.86	2.58	19.80	3.45	20.76	3.63	21.39	3.69	21.80	3.81	22.63	4.03		
	0.00	15.88	2.39	17.86	2.58	19.80	3.45	20.76	3.63	21.39	3.69	21.80	3.81	22.63	4.03		
	5.00	15.88	2.39	17.86	2.58	19.80	3.45	20.76	3.63	21.39	3.69	21.80	3.81	22.63	4.03		
	10.00	15.88	2.39	17.68	2.58	19.80	3.45	20.56	3.63	21.18	3.69	21.59	3.81	22.41	4.03		
	15.00	15.88	2.42	17.68	2.58	19.80	3.45	20.56	3.67	21.18	3.73	21.59	3.85	22.41	4.07		
	20.00	15.88	2.42	18.20	2.58	19.80	3.45	21.17	3.63	21.80	3.69	22.23	3.81	23.07	4.03		
	25.00	15.88	2.42	17.68	2.63	17.48	3.52	20.56	3.71	21.18	3.77	21.59	3.89	22.41	4.12		
	30.00	15.72	2.45	17.86	2.68	17.65	3.64	20.76	3.83	21.39	3.89	21.80	4.02	22.63	4.25		
	35.00	15.12	2.66	17.55	2.78	17.14	3.83	20.16	4.03	20.76	4.09	21.17	4.23	21.97	4.47		
	39.00	14.82	2.74	17.20	2.98	16.79	4.10	19.76	4.23	20.35	4.30	20.74	4.44	21.53	4.70		
	41.00	14.21	2.77	16.50	3.15	16.11	4.21	18.95	4.31	19.52	4.38	19.90	4.53	20.66	4.79		
	43.00	13.91	2.75	15.95	3.25	15.76	4.34	18.55	4.33	19.10	4.46	19.47	4.55	20.22	4.81		
	46.00	13.15	2.97	15.08	3.45	14.91	4.62	17.54	4.86	18.06	5.08	18.42	5.10	19.12	5.39		
50.00	11.06	3.02	12.68	3.38	12.53	4.52	14.74	4.91	15.18	5.28	15.48	5.16	16.07	5.45			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

		38VT008173HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	13.89	2.03	15.62	2.18	17.50	2.92	18.17	3.07	18.71	2.95	19.08	3.23	19.80	3.41		
	0.00	13.89	2.03	15.62	2.18	17.50	2.92	18.17	3.07	18.71	2.95	19.08	3.23	19.80	3.41		
	5.00	13.89	2.03	15.62	2.18	17.50	2.92	18.17	3.07	18.71	2.95	19.08	3.23	19.80	3.41		
	10.00	13.89	2.03	15.47	2.18	17.50	2.92	17.99	3.07	18.53	3.00	18.89	3.23	19.61	3.41		
	15.00	13.89	2.05	15.47	2.18	17.50	2.92	17.99	3.11	18.53	3.00	18.89	3.26	19.61	3.45		
	20.00	13.89	2.05	15.93	2.18	17.50	2.92	18.52	3.07	19.08	3.00	19.45	3.23	20.19	3.41		
	25.00	13.89	2.05	15.47	2.23	17.30	2.99	17.99	3.14	18.53	3.00	18.89	3.30	19.61	3.49		
	30.00	13.76	2.07	15.62	2.30	15.44	3.08	18.17	3.24	18.71	3.17	19.08	3.41	19.80	3.60		
	35.00	13.23	2.25	15.17	2.42	14.99	3.24	17.64	3.42	18.17	3.57	18.52	3.59	19.23	3.79		
	39.00	12.96	2.32	14.87	2.59	14.69	3.47	17.29	3.59	17.81	3.57	18.15	3.77	18.84	3.98		
	41.00	12.44	2.34	14.26	2.67	14.09	3.57	16.58	3.65	17.08	3.69	17.41	3.84	18.07	4.06		
	43.00	12.17	2.33	13.96	2.74	13.79	3.67	16.23	3.66	16.72	3.77	17.04	3.84	17.69	4.06		
46.00	11.64	2.34	13.35	2.71	13.19	3.63	15.52	3.82	15.99	3.93	16.30	4.01	16.92	4.24			
50.00	9.46	2.44	10.85	2.73	10.72	3.66	12.61	3.97	12.99	4.09	13.24	4.17	13.75	4.41			
60%	-5.00	11.91	1.66	13.39	1.79	13.24	2.39	15.57	2.52	16.04	2.60	16.35	2.65	16.97	2.80		
	0.00	11.91	1.66	13.39	1.79	13.24	2.39	15.57	2.52	16.04	2.60	16.35	2.65	16.97	2.80		
	5.00	11.91	1.66	13.39	1.79	13.24	2.39	15.57	2.52	16.04	2.60	16.35	2.65	16.97	2.80		
	10.00	11.91	1.66	13.26	1.79	13.11	2.39	15.42	2.52	15.88	2.60	16.19	2.65	16.81	2.80		
	15.00	11.91	1.68	13.26	1.79	13.11	2.39	15.42	2.55	15.88	2.62	16.19	2.67	16.81	2.83		
	20.00	11.91	1.68	13.65	1.79	13.49	2.39	15.88	2.52	16.35	2.60	16.67	2.65	17.30	2.80		
	25.00	11.91	1.68	13.26	1.83	13.11	2.45	15.42	2.58	15.88	2.65	16.19	2.70	16.81	2.86		
	30.00	11.79	1.70	13.39	1.89	13.24	2.53	15.57	2.66	16.04	2.74	16.35	2.79	16.97	2.95		
	35.00	11.34	1.85	13.00	1.99	12.85	2.66	15.12	2.80	15.57	2.88	15.88	2.94	16.48	3.11		
	39.00	11.11	1.90	12.74	2.13	12.59	2.85	14.82	2.94	15.26	3.03	15.56	3.09	16.15	3.26		
	41.00	10.66	1.92	12.22	2.19	12.08	2.93	14.21	3.00	14.64	3.09	14.92	3.15	15.49	3.32		
	43.00	10.43	1.94	11.96	2.29	11.82	3.06	13.91	3.05	14.33	3.14	14.61	3.20	15.16	3.39		
46.00	9.83	1.91	11.27	2.22	11.14	2.97	13.10	3.12	13.50	3.22	13.76	3.28	14.28	3.47			
50.00	7.98	2.00	9.16	2.24	9.05	2.99	10.65	3.25	10.97	3.35	11.18	3.41	11.60	3.61			
50%	-5.00	10.52	1.50	11.83	1.61	11.69	2.16	13.76	2.27	14.17	2.34	14.44	2.38	14.99	2.52		
	0.00	10.52	1.50	11.83	1.61	11.69	2.16	13.76	2.27	14.17	2.34	14.44	2.38	14.99	2.52		
	5.00	10.52	1.50	11.83	1.61	11.69	2.16	13.76	2.27	14.17	2.34	14.44	2.38	14.99	2.52		
	10.00	10.52	1.50	11.72	1.61	11.58	2.16	13.62	2.27	14.03	2.34	14.30	2.38	14.85	2.52		
	15.00	10.52	1.51	11.72	1.61	11.58	2.16	13.62	2.30	14.03	2.36	14.30	2.41	14.85	2.55		
	20.00	10.52	1.51	12.06	1.61	11.92	2.16	14.02	2.27	14.44	2.34	14.72	2.38	15.29	2.52		
	25.00	10.52	1.51	11.72	1.65	11.58	2.20	13.62	2.32	14.03	2.39	14.30	2.44	14.85	2.58		
	30.00	10.42	1.53	11.83	1.70	11.69	2.28	13.76	2.40	14.17	2.47	14.44	2.52	14.99	2.66		
	35.00	10.02	1.66	11.49	1.79	11.35	2.40	13.36	2.52	13.76	2.60	14.02	2.65	14.56	2.80		
	39.00	9.82	1.71	11.26	1.92	11.13	2.56	13.09	2.65	13.48	2.73	13.74	2.78	14.27	2.94		
	41.00	9.42	1.73	10.80	1.97	10.67	2.64	12.55	2.70	12.93	2.78	13.18	2.83	13.68	3.00		
	43.00	9.22	1.75	10.57	2.06	10.44	2.76	12.29	2.75	12.66	2.83	12.90	2.89	13.39	3.05		
46.00	8.77	1.91	10.06	2.22	9.94	2.97	11.69	3.13	12.04	3.22	12.28	3.28	12.74	3.47			
50.00	7.43	1.95	8.52	2.19	8.42	2.93	9.91	3.18	10.21	3.28	10.40	3.34	10.80	3.53			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT010173HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	20.06	4.68	23.14	5.18	26.23	5.93	30.86	6.24	31.78	6.43	32.40	6.56	33.64	6.93		
	0.00	20.06	4.68	23.14	5.18	26.23	5.93	30.86	6.24	31.78	6.43	32.40	6.56	33.64	6.93		
	5.00	20.06	4.68	23.14	5.18	26.23	5.93	30.86	6.24	31.78	6.43	32.40	6.56	33.64	6.93		
	10.00	19.86	4.68	22.92	5.18	25.98	5.93	30.56	6.24	31.48	6.43	32.09	6.56	33.31	6.93		
	15.00	19.86	4.73	22.92	5.24	25.98	6.00	30.56	6.31	31.48	6.50	32.09	6.63	33.31	7.01		
	20.00	20.45	4.68	23.59	5.18	26.74	4.43	31.46	4.43	32.40	4.43	33.03	4.43	34.29	6.93		
	25.00	19.86	4.79	22.92	5.30	25.98	6.06	30.56	6.38	31.48	6.57	32.09	6.70	33.31	7.08		
	30.00	20.06	4.94	23.14	5.47	26.23	6.26	30.86	6.59	31.78	6.79	32.40	6.92	33.64	7.32		
	35.00	19.47	5.20	22.47	5.76	25.47	6.59	29.96	6.94	30.86	7.15	31.46	7.28	32.66	7.70		
	39.00	18.70	5.36	21.57	6.16	24.45	7.05	28.76	7.28	29.62	7.50	30.20	7.65	31.35	8.09		
	41.00	18.31	5.46	21.12	6.40	23.94	7.32	28.16	7.50	29.01	7.72	29.57	7.87	30.70	8.32		
	43.00	17.92	5.52	20.67	6.69	23.43	7.65	27.56	7.64	28.39	7.87	28.94	8.02	30.04	8.48		
46.00	15.58	6.04	17.98	7.21	20.37	8.25	23.97	8.69	24.69	8.95	25.17	9.12	26.13	9.64			
50.00	12.66	6.30	14.61	7.27	16.55	8.32	19.47	9.04	20.06	9.31	20.45	9.49	21.23	10.03			
120%	-5.00	19.68	4.68	22.71	5.18	25.74	5.93	30.28	6.24	31.19	6.43	31.80	6.56	33.01	6.93		
	0.00	19.68	4.68	22.71	5.18	25.74	5.93	30.28	6.24	31.19	6.43	31.80	6.56	33.01	6.93		
	5.00	19.68	4.68	22.71	5.18	25.74	5.93	30.28	6.24	31.19	6.43	31.80	6.56	33.01	6.93		
	10.00	19.49	4.68	22.49	5.18	25.49	5.93	29.99	6.24	30.89	6.43	31.49	6.56	32.69	6.93		
	15.00	19.49	4.73	22.49	5.24	25.49	6.00	29.99	6.31	30.89	6.50	31.49	6.63	32.69	7.01		
	20.00	20.07	4.68	23.15	5.18	26.24	5.93	30.87	6.24	31.80	6.43	32.41	6.56	33.65	6.93		
	25.00	19.49	4.79	22.49	5.30	25.49	6.06	29.99	6.38	30.89	6.57	31.49	6.70	32.69	7.08		
	30.00	19.68	4.94	22.71	5.47	25.74	6.26	30.28	6.59	31.19	6.79	31.80	6.92	33.01	7.32		
	35.00	19.11	5.20	22.05	5.76	24.99	6.59	29.40	6.94	30.28	7.15	30.87	7.28	32.05	7.70		
	39.00	18.35	5.33	21.17	6.13	23.99	7.02	28.22	7.25	29.07	7.50	29.64	7.65	30.70	8.09		
	41.00	17.96	5.39	20.73	6.30	23.49	7.21	27.64	7.39	28.47	7.61	29.02	7.76	30.12	8.20		
	43.00	17.58	5.44	20.29	6.59	22.99	7.54	27.05	7.53	27.86	7.75	28.40	7.90	29.48	8.35		
46.00	15.29	5.95	17.64	7.11	19.99	8.13	23.52	8.56	24.23	8.82	24.70	8.99	25.64	9.50			
50.00	12.42	6.21	14.33	7.16	16.24	8.20	19.11	8.91	19.68	9.17	20.07	9.35	20.83	9.89			
110%	-5.00	19.31	4.66	22.28	5.16	25.25	5.90	29.71	6.21	30.60	6.40	31.19	6.52	32.38	6.90		
	0.00	19.31	4.66	22.28	5.16	25.25	5.90	29.71	6.21	30.60	6.40	31.19	6.52	32.38	6.90		
	5.00	19.31	4.66	22.28	5.16	25.25	5.90	29.71	6.21	30.60	6.40	31.19	6.52	32.38	6.90		
	10.00	19.12	4.66	22.06	5.16	25.00	5.90	29.42	6.21	30.30	6.40	30.89	6.52	32.06	6.90		
	15.00	19.12	4.71	22.06	5.21	25.00	5.97	29.42	6.28	30.30	6.47	30.89	6.60	32.06	6.97		
	20.00	19.68	4.66	22.71	5.16	25.74	5.90	30.28	6.21	31.19	6.40	31.80	6.52	33.01	6.90		
	25.00	19.12	4.76	22.06	5.27	25.00	6.03	29.42	6.35	30.30	6.54	30.89	6.67	32.06	7.05		
	30.00	19.31	4.92	22.28	5.44	25.25	6.23	29.71	6.56	30.60	6.76	31.19	6.89	32.38	7.28		
	35.00	18.75	5.18	21.63	5.73	24.51	6.56	28.84	6.90	29.71	7.11	30.28	7.25	31.44	7.66		
	39.00	18.00	5.33	20.76	6.13	23.53	7.02	27.69	7.25	28.52	7.47	29.07	7.61	30.18	8.05		
	41.00	17.62	5.38	20.33	6.30	23.04	7.21	27.11	7.39	27.92	7.61	28.47	7.76	29.55	8.20		
	43.00	17.25	5.44	19.90	6.59	22.55	7.54	26.53	7.52	27.33	7.75	27.86	7.90	28.92	8.35		
46.00	15.00	5.95	17.30	7.11	19.61	8.13	23.07	8.56	23.76	8.82	24.23	8.99	25.15	9.50			
50.00	12.18	6.21	14.06	7.16	15.93	8.20	18.75	8.91	19.31	9.17	19.68	9.35	20.43	9.89			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT010173HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	18.75	4.59	21.63	5.08	24.51	5.82	28.84	6.12	29.71	6.30	30.28	6.43	31.44	6.79		
	0.00	18.75	4.59	21.63	5.08	24.51	5.82	28.84	6.12	29.71	6.30	30.28	6.43	31.44	6.79		
	5.00	18.75	4.59	21.63	5.08	24.51	5.82	28.84	6.12	29.71	6.30	30.28	6.43	31.44	6.79		
	10.00	18.56	4.59	21.42	5.08	24.28	5.82	28.56	6.12	29.42	6.30	29.99	6.43	31.13	6.79		
	15.00	18.56	4.64	21.42	5.14	24.28	5.88	28.56	6.19	29.42	6.38	29.99	6.50	31.13	6.87		
	20.00	19.11	4.59	22.05	5.08	24.99	5.82	29.40	6.12	30.28	6.30	30.87	6.43	32.05	6.79		
	25.00	18.56	4.69	21.42	5.19	24.28	5.94	28.56	6.26	29.42	6.45	29.99	6.57	31.13	6.95		
	30.00	18.75	4.85	21.63	5.36	24.51	6.14	28.84	6.46	29.71	6.66	30.28	6.78	31.44	7.17		
	35.00	18.20	5.10	21.00	5.65	23.80	6.46	28.00	6.80	28.84	7.01	29.40	7.14	30.52	7.55		
	39.00	17.47	5.25	20.16	6.04	22.85	6.91	26.88	7.14	27.69	7.36	28.22	7.50	29.30	7.93		
	41.00	17.11	5.31	19.74	6.21	22.37	7.11	26.32	7.28	27.11	7.50	27.64	7.64	28.69	8.08		
	43.00	16.74	5.36	19.32	6.49	21.90	7.43	25.76	7.41	26.53	7.64	27.05	7.78	28.08	8.23		
46.00	14.56	5.87	16.80	7.00	19.04	8.01	22.40	8.43	23.07	8.69	23.52	8.86	24.42	9.36			
50.00	11.83	6.12	13.65	7.06	15.47	8.08	18.20	8.77	18.75	9.04	19.11	9.21	19.84	9.74			
90%	-5.00	16.87	3.72	19.47	4.12	22.06	4.71	25.96	4.96	26.73	5.11	27.25	5.21	28.29	5.50		
	0.00	16.87	3.72	19.47	4.12	22.06	4.71	25.96	4.96	26.73	5.11	27.25	5.21	28.29	5.50		
	5.00	16.87	3.72	19.47	4.12	22.06	4.71	25.96	4.96	26.73	5.11	27.25	5.21	28.29	5.50		
	10.00	16.71	3.72	19.28	4.12	21.85	4.71	25.70	4.96	26.48	5.11	26.99	5.21	28.02	5.50		
	15.00	16.71	3.76	19.28	4.16	21.85	4.76	25.70	5.01	26.48	5.16	26.99	5.26	28.02	5.56		
	20.00	17.20	3.72	19.85	4.12	22.49	4.71	26.46	4.96	27.25	5.11	27.78	5.21	28.84	5.50		
	25.00	16.71	3.80	19.28	4.21	21.85	4.82	25.70	5.07	26.48	5.22	26.99	5.32	28.02	5.63		
	30.00	16.87	3.93	19.47	4.34	22.06	4.97	25.96	5.23	26.73	5.39	27.25	5.50	28.29	5.81		
	35.00	16.38	4.13	18.90	4.57	21.42	5.23	25.20	5.51	25.96	5.67	26.46	5.78	27.47	6.12		
	39.00	15.72	4.26	18.14	4.89	20.56	5.60	24.19	5.78	24.92	5.96	25.40	6.07	26.37	6.42		
	41.00	15.40	4.30	17.77	5.03	20.13	5.76	23.16	5.89	23.86	6.07	24.32	6.19	25.25	6.54		
	43.00	15.07	4.34	17.39	5.26	19.71	6.02	23.44	6.01	24.14	6.19	24.61	6.31	25.55	6.67		
46.00	13.56	4.75	15.65	5.67	17.74	6.49	21.10	6.83	21.73	7.04	22.15	7.17	23.00	7.58			
50.00	12.81	4.96	14.78	5.72	16.75	6.54	19.93	7.11	20.52	7.32	20.92	7.46	21.72	7.89			
80%	-5.00	15.00	3.26	17.30	3.61	19.61	4.13	23.94	4.35	24.66	4.48	25.13	4.56	26.09	4.82		
	0.00	15.00	3.26	17.30	3.61	19.61	4.13	23.94	4.35	24.66	4.48	25.13	4.56	26.09	4.82		
	5.00	15.00	3.26	17.30	3.61	19.61	4.13	23.94	4.35	24.66	4.48	25.13	4.56	26.09	4.82		
	10.00	14.85	3.26	17.14	3.61	19.42	4.13	23.70	4.35	24.42	4.48	24.89	4.56	25.84	4.82		
	15.00	14.85	3.30	17.14	3.65	19.42	4.17	23.70	4.39	24.42	4.53	24.89	4.61	25.84	4.88		
	20.00	15.29	3.26	17.64	3.61	19.99	4.13	24.40	4.35	25.13	4.48	25.62	4.56	26.60	4.82		
	25.00	14.85	3.33	17.14	3.69	19.42	4.22	23.70	4.44	24.42	4.58	24.89	4.66	25.84	4.93		
	30.00	15.00	3.44	17.30	3.81	19.61	4.36	23.94	4.59	24.66	4.73	25.13	4.82	26.09	5.09		
	35.00	14.56	3.62	16.80	4.01	19.04	4.59	23.24	4.83	23.94	4.97	24.40	5.07	25.33	5.36		
	39.00	13.98	3.73	16.13	4.29	18.28	4.91	22.31	5.07	22.98	5.22	23.43	5.32	24.32	5.63		
	41.00	13.69	3.77	15.79	4.41	17.90	5.05	21.85	5.17	22.50	5.32	22.94	5.43	23.81	5.74		
	43.00	13.40	3.80	15.46	4.61	17.52	5.28	21.38	5.26	22.02	5.42	22.45	5.53	23.31	5.84		
46.00	12.99	4.17	14.99	4.97	15.77	5.69	19.26	5.99	19.84	6.17	20.23	6.29	21.00	6.65			
50.00	12.73	4.22	13.91	4.59	14.89	5.25	16.20	5.70	16.68	5.87	17.01	5.99	17.66	6.33			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT010173HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	13.12	2.80	15.14	3.10	17.65	3.55	20.48	3.73	21.09	3.85	21.50	3.92	22.32	4.14
	0.00	13.12	2.80	15.14	3.10	17.65	3.55	20.48	3.73	21.09	3.85	21.50	3.92	22.32	4.14
	5.00	13.12	2.80	15.14	3.10	17.65	3.55	20.48	3.73	21.09	3.85	21.50	3.92	22.32	4.14
	10.00	12.99	2.80	14.99	3.10	17.48	3.55	20.28	3.73	20.89	3.85	21.29	3.92	22.10	4.14
	15.00	12.99	2.83	14.99	3.13	17.48	3.59	20.28	3.78	20.89	3.89	21.29	3.96	22.10	4.19
	20.00	13.38	2.80	15.44	3.10	17.99	3.55	20.87	3.73	21.50	3.85	21.92	3.92	22.75	4.14
	25.00	12.99	2.86	14.99	3.17	17.48	3.63	20.28	3.82	20.89	3.93	21.29	4.01	22.10	4.24
	30.00	13.12	2.96	15.14	3.27	17.65	3.74	20.48	3.94	21.09	4.06	21.50	4.14	22.32	4.38
	35.00	12.74	3.11	14.70	3.44	17.14	3.94	19.88	4.15	20.48	4.27	20.87	4.36	21.67	4.61
	39.00	12.23	3.21	14.11	3.68	16.45	4.22	19.08	4.36	19.66	4.49	20.04	4.57	20.80	4.84
	41.00	11.98	3.24	13.82	3.79	16.11	4.34	18.69	4.44	19.25	4.57	19.62	4.66	20.37	4.93
	43.00	11.72	3.27	13.52	3.96	15.77	4.53	18.80	4.52	19.37	4.66	19.75	4.75	20.50	5.02
46.00	10.55	3.58	13.25	4.27	13.71	4.89	16.58	5.14	17.07	5.30	17.40	5.40	18.07	5.71	
50.00	9.96	3.73	13.12	4.30	11.60	4.93	13.47	5.35	13.87	5.51	14.33	5.53	14.88	5.84	
60%	-5.00	11.25	2.34	12.98	2.59	14.71	2.97	17.88	3.12	18.42	3.22	18.77	3.28	19.49	3.47
	0.00	11.25	2.34	12.98	2.59	14.71	2.97	17.88	3.12	18.42	3.22	18.77	3.28	19.49	3.47
	5.00	11.25	2.34	12.98	2.59	14.71	2.97	17.88	3.12	18.42	3.22	18.77	3.28	19.49	3.47
	10.00	11.14	2.34	12.85	2.59	14.57	2.97	17.71	3.12	18.24	3.22	18.59	3.28	19.30	3.47
	15.00	11.14	2.37	12.85	2.62	14.57	3.00	17.71	3.16	18.24	3.25	18.59	3.31	19.30	3.50
	20.00	11.47	2.34	13.23	2.59	14.99	2.97	18.23	3.12	18.77	3.22	19.14	3.28	19.87	3.47
	25.00	11.14	2.39	12.85	2.65	14.57	3.03	17.71	3.19	18.24	3.29	18.59	3.35	19.30	3.54
	30.00	11.25	2.47	12.98	2.74	14.71	3.13	17.88	3.30	18.42	3.39	18.77	3.46	19.49	3.66
	35.00	10.92	2.60	12.60	2.88	14.28	3.30	17.36	3.47	17.88	3.57	18.23	3.64	18.92	3.85
	39.00	10.48	2.68	12.10	3.08	13.71	3.53	16.67	3.64	17.17	3.75	17.50	3.82	18.17	4.04
	41.00	10.26	2.71	11.84	3.17	13.42	3.62	16.32	3.71	16.81	3.82	17.13	3.90	17.79	4.12
	43.00	10.05	2.73	11.59	3.31	13.14	3.79	15.97	3.78	16.45	3.89	16.77	3.97	17.41	4.20
46.00	9.04	2.82	11.01	3.36	11.82	3.85	13.89	4.05	14.30	4.17	14.58	4.25	15.14	4.49	
50.00	8.54	2.94	10.78	3.39	11.17	3.88	11.28	4.21	11.62	4.34	11.85	4.42	12.30	4.67	
50%	-5.00	9.37	1.84	10.82	2.03	12.26	2.33	14.42	2.45	14.85	2.52	15.14	2.57	15.72	2.72
	0.00	9.37	1.84	10.82	2.03	12.26	2.33	14.42	2.45	14.85	2.52	15.14	2.57	15.72	2.72
	5.00	9.37	1.84	10.82	2.03	12.26	2.33	14.42	2.45	14.85	2.52	15.14	2.57	15.72	2.72
	10.00	9.28	1.84	10.71	2.03	12.14	2.33	14.28	2.45	14.71	2.52	14.99	2.57	15.57	2.72
	15.00	9.28	1.86	10.71	2.05	12.14	2.35	14.28	2.48	14.71	2.55	14.99	2.60	15.57	2.75
	20.00	9.56	1.84	11.03	2.03	12.50	2.33	14.70	2.45	15.14	2.52	15.44	2.57	16.02	2.72
	25.00	9.28	1.88	10.71	2.08	12.14	2.38	14.28	2.50	14.71	2.58	14.99	2.63	15.57	2.78
	30.00	9.37	1.94	10.82	2.15	12.26	2.46	14.42	2.58	14.85	2.66	15.14	2.71	15.72	2.87
	35.00	9.10	2.04	10.50	2.26	11.90	2.58	14.00	2.72	14.42	2.80	14.70	2.86	15.26	3.02
	39.00	8.74	2.10	10.08	2.42	11.42	2.77	13.44	2.86	13.84	2.94	14.11	3.00	14.65	3.17
	41.00	8.55	2.12	9.87	2.48	11.19	2.84	12.37	2.91	12.74	3.00	12.99	3.06	13.48	3.23
	43.00	8.37	2.14	9.66	2.60	10.95	2.97	12.11	2.97	12.47	3.05	12.71	3.11	13.20	3.29
46.00	7.95	2.23	9.18	2.66	9.85	3.04	11.50	3.20	11.85	3.30	12.08	3.37	12.54	3.56	
50.00	7.70	2.33	8.89	2.68	9.31	3.07	11.26	3.07	11.60	3.16	11.82	3.22	12.27	3.41	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT012173HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	24.00	5.78	27.69	6.40	31.38	7.33	36.92	7.71	38.03	7.94	38.77	8.10	40.24	8.56
	0.00	24.00	5.78	27.69	6.40	31.38	7.33	36.92	7.71	38.03	7.94	38.77	8.10	40.24	8.56
	5.00	24.00	5.78	27.69	6.40	31.38	7.33	36.92	7.71	38.03	7.94	38.77	8.10	40.24	8.56
	10.00	23.77	5.78	27.42	6.40	31.08	7.33	36.56	7.71	37.66	7.94	38.39	8.10	39.85	8.56
	15.00	23.77	5.85	27.42	6.47	31.08	7.41	36.56	7.80	37.66	8.03	38.39	8.19	39.85	8.66
	20.00	24.46	5.78	28.23	6.40	31.99	4.43	37.64	4.43	38.77	4.43	39.52	4.43	41.02	8.56
	25.00	23.77	5.91	27.42	6.54	31.08	7.49	36.56	7.88	37.66	8.12	38.39	8.28	39.85	8.75
	30.00	24.00	6.11	27.69	6.76	31.38	7.73	36.92	8.14	38.03	8.39	38.77	8.55	40.24	9.04
	35.00	23.30	6.43	26.88	7.11	30.47	8.14	35.85	8.57	36.92	8.83	37.64	9.00	39.07	9.51
	39.00	22.37	6.62	25.81	7.61	29.25	8.71	34.41	9.00	35.44	9.27	36.13	9.45	37.51	9.99
	41.00	21.90	6.75	25.27	7.90	28.64	9.04	33.69	9.26	34.71	9.54	35.38	9.72	36.73	10.28
	43.00	21.44	6.81	24.73	8.26	28.03	9.45	32.98	9.43	33.97	9.72	34.63	9.90	35.95	10.47
46.00	18.64	7.46	21.51	8.91	24.37	10.19	28.68	10.73	29.54	11.05	30.11	11.27	31.26	11.91	
50.00	15.14	7.79	17.47	8.98	19.80	10.28	23.30	11.16	24.00	11.50	24.46	11.72	25.40	12.39	
120%	-5.00	23.55	5.78	27.17	6.40	30.80	7.33	36.23	7.71	37.32	7.94	38.04	8.10	39.49	8.56
	0.00	23.55	5.78	27.17	6.40	30.80	7.33	36.23	7.71	37.32	7.94	38.04	8.10	39.49	8.56
	5.00	23.55	5.78	27.17	6.40	30.80	7.33	36.23	7.71	37.32	7.94	38.04	8.10	39.49	8.56
	10.00	23.32	5.78	26.91	6.40	30.50	7.33	35.88	7.71	36.95	7.94	37.67	8.10	39.11	8.56
	15.00	23.32	5.85	26.91	6.47	30.50	7.41	35.88	7.80	36.95	8.03	37.67	8.19	39.11	8.66
	20.00	24.01	5.78	27.70	6.40	31.39	7.33	36.93	7.71	38.04	7.94	38.78	8.10	40.26	8.56
	25.00	23.32	5.91	26.91	6.54	30.50	7.49	35.88	7.88	36.95	8.12	37.67	8.28	39.11	8.75
	30.00	23.55	6.11	27.17	6.76	30.80	7.73	36.23	8.14	37.32	8.39	38.04	8.55	39.49	9.04
	35.00	22.86	6.43	26.38	7.11	29.90	8.14	35.18	8.57	36.23	8.83	36.93	9.00	38.34	9.51
	39.00	21.95	6.59	25.33	7.57	28.70	8.67	33.77	8.96	34.78	4.02	35.46	6.84	36.81	9.94
	41.00	21.49	6.65	24.80	7.79	28.10	8.91	33.06	9.13	34.06	9.40	34.72	9.58	36.04	10.13
	43.00	21.03	6.72	24.27	8.14	27.51	9.32	32.36	9.30	33.33	9.58	33.98	9.76	35.27	10.32
46.00	18.29	7.36	21.11	8.78	23.92	10.05	28.14	10.58	28.98	10.89	29.55	11.10	30.67	11.74	
50.00	14.86	7.68	17.15	8.85	19.43	10.13	22.86	11.00	23.55	11.33	24.01	11.55	24.92	12.21	
110%	-5.00	23.10	5.76	26.66	6.37	30.21	7.29	35.54	7.68	36.61	7.91	37.32	8.06	38.74	8.52
	0.00	23.10	5.76	26.66	6.37	30.21	7.29	35.54	7.68	36.61	7.91	37.32	8.06	38.74	8.52
	5.00	23.10	5.76	26.66	6.37	30.21	7.29	35.54	7.68	36.61	7.91	37.32	8.06	38.74	8.52
	10.00	22.88	5.76	26.40	6.37	29.92	7.29	35.20	7.68	36.25	7.91	36.95	8.06	38.36	8.52
	15.00	22.88	5.82	26.40	6.44	29.92	7.37	35.20	7.76	36.25	7.99	36.95	8.15	38.36	8.61
	20.00	23.55	5.76	27.17	6.37	30.80	7.29	36.23	7.68	37.32	7.91	38.04	8.06	39.49	8.52
	25.00	22.88	5.88	26.40	6.51	29.92	7.45	35.20	7.85	36.25	8.08	36.95	8.24	38.36	8.71
	30.00	23.10	6.08	26.66	6.72	30.21	7.70	35.54	8.10	36.61	8.34	37.32	8.51	38.74	8.99
	35.00	22.43	6.40	25.88	7.08	29.33	8.10	34.51	8.53	35.54	8.78	36.23	8.95	37.61	9.47
	39.00	21.53	6.59	24.84	7.57	28.16	8.67	33.12	8.95	34.12	9.22	34.78	9.40	36.11	9.94
	41.00	21.08	6.65	24.33	7.79	27.57	8.91	32.43	9.12	33.41	9.40	34.06	9.58	35.35	10.13
	43.00	20.63	6.72	23.81	8.14	26.98	9.32	31.74	9.30	32.70	9.57	33.33	9.76	34.60	10.32
46.00	17.94	7.36	20.70	8.78	23.46	10.05	27.60	10.57	28.43	10.89	28.98	11.10	30.09	11.74	
50.00	14.58	7.68	16.82	8.85	19.06	10.13	22.43	11.00	23.10	11.33	23.55	11.55	24.45	12.21	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT012173HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	22.43	5.67	25.88	6.28	29.33	7.18	34.51	7.56	35.54	7.79	36.23	7.94	37.61	8.39
	0.00	22.43	5.67	25.88	6.28	29.33	7.18	34.51	7.56	35.54	7.79	36.23	7.94	37.61	8.39
	5.00	22.43	5.67	25.88	6.28	29.33	7.18	34.51	7.56	35.54	7.79	36.23	7.94	37.61	8.39
	10.00	22.21	5.67	25.63	6.28	29.04	7.18	34.17	7.56	35.20	7.79	35.88	7.94	37.25	8.39
	15.00	22.21	5.73	25.63	6.35	29.04	7.26	34.17	7.65	35.20	7.88	35.88	8.03	37.25	8.49
	20.00	22.86	5.67	26.38	6.28	29.90	7.18	35.18	7.56	36.23	7.79	36.93	7.94	38.34	8.39
	25.00	22.21	5.80	25.63	6.42	29.04	7.34	34.17	7.73	35.20	7.96	35.88	8.12	37.25	8.58
	30.00	22.43	5.99	25.88	6.62	29.33	7.58	34.51	7.98	35.54	8.22	36.23	8.38	37.61	8.86
	35.00	21.78	6.30	25.13	6.97	28.48	7.98	33.50	8.40	34.51	8.65	35.18	8.82	36.52	9.33
	39.00	20.90	6.49	24.12	7.46	27.34	8.54	32.16	8.82	33.12	9.09	33.77	9.26	35.05	9.79
	41.00	20.47	6.55	23.62	7.67	26.77	8.78	31.49	8.99	32.43	9.26	33.06	9.44	34.32	9.98
	43.00	20.03	6.62	23.12	8.02	26.20	9.18	30.82	9.16	31.74	9.43	32.36	9.62	33.59	10.17
	46.00	17.42	7.25	20.10	8.65	22.78	9.90	26.80	10.42	27.60	10.73	28.14	10.94	29.21	11.56
50.00	14.15	7.56	16.33	8.72	18.51	9.98	21.78	10.84	22.43	11.16	22.86	11.38	23.73	12.03	
90%	-5.00	20.19	4.59	23.29	5.08	26.40	5.82	31.05	6.12	31.99	6.31	32.61	6.43	33.85	6.80
	0.00	20.19	4.59	23.29	5.08	26.40	5.82	31.05	6.12	31.99	6.31	32.61	6.43	33.85	6.80
	5.00	20.19	4.59	23.29	5.08	26.40	5.82	31.05	6.12	31.99	6.31	32.61	6.43	33.85	6.80
	10.00	19.99	4.59	23.06	5.08	26.14	5.82	30.75	6.12	31.68	6.31	32.29	6.43	33.52	6.80
	15.00	19.99	4.64	23.06	5.14	26.14	5.88	30.75	6.19	31.68	6.38	32.29	6.50	33.52	6.87
	20.00	20.58	4.59	23.74	5.08	26.91	5.82	31.66	6.12	32.61	6.31	33.24	6.43	34.51	6.80
	25.00	19.99	4.70	23.06	5.20	26.14	5.95	30.75	6.26	31.68	6.45	32.29	6.57	33.52	6.95
	30.00	20.19	4.85	23.29	5.37	26.40	6.14	31.05	6.47	31.99	6.66	32.61	6.79	33.85	7.18
	35.00	19.60	5.10	22.61	5.65	25.63	6.47	30.15	6.81	31.05	7.01	31.66	7.15	32.86	7.55
	39.00	18.81	5.26	21.71	6.04	24.60	6.92	28.94	7.15	29.81	7.36	30.39	7.50	31.55	7.93
	41.00	18.42	5.31	21.26	6.21	24.09	7.11	28.34	7.28	29.19	7.50	29.76	7.65	30.89	8.08
	43.00	18.03	5.36	20.80	6.50	23.58	7.44	27.74	7.42	28.57	7.64	29.12	7.79	30.23	8.23
	46.00	16.77	5.65	19.35	6.74	21.93	7.72	25.80	8.13	26.57	8.37	27.09	8.53	28.12	9.02
50.00	15.87	6.12	18.31	7.06	20.75	8.08	24.41	8.78	25.14	9.04	25.63	9.22	26.61	9.74	
80%	-5.00	17.94	4.03	20.70	4.46	23.46	5.10	27.95	5.37	28.79	5.53	29.35	5.64	30.46	5.96
	0.00	17.94	4.03	20.70	4.46	23.46	5.10	27.95	5.37	28.79	5.53	29.35	5.64	30.46	5.96
	5.00	17.94	4.03	20.70	4.46	23.46	5.10	27.95	5.37	28.79	5.53	29.35	5.64	30.46	5.96
	10.00	17.77	4.03	20.50	4.46	23.24	5.10	27.68	5.37	28.51	5.53	29.06	5.64	30.17	5.96
	15.00	17.77	4.07	20.50	4.51	23.24	5.16	27.68	5.43	28.51	5.59	29.06	5.70	30.17	6.03
	20.00	18.29	4.03	21.11	4.46	23.92	5.10	28.49	5.37	29.35	5.53	29.92	5.64	31.06	5.96
	25.00	17.77	4.12	20.50	4.56	23.24	5.21	27.68	5.49	28.51	5.65	29.06	5.76	30.17	6.09
	30.00	18.39	4.25	21.22	4.70	24.05	5.38	27.95	5.67	28.79	5.84	29.35	5.95	30.46	6.29
	35.00	17.86	4.47	20.60	4.95	23.35	5.67	27.14	5.97	27.95	6.14	28.49	6.26	29.58	6.62
	39.00	17.14	4.61	19.78	5.30	22.42	6.06	26.05	6.26	26.83	6.45	27.35	6.58	28.39	6.95
	41.00	16.78	4.65	19.37	5.45	21.95	6.23	25.51	6.38	26.27	6.57	26.78	6.70	27.80	7.09
	43.00	16.43	4.70	18.95	5.69	21.48	6.52	24.96	6.41	25.71	6.60	26.21	6.73	27.21	7.12
	46.00	15.50	5.07	17.89	6.05	20.27	6.93	23.58	6.77	24.29	6.98	24.76	7.11	25.71	7.52
50.00	13.16	5.14	15.19	5.93	17.21	6.78	19.16	7.04	19.74	7.26	20.12	7.40	20.89	7.82	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT012173HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	15.70	3.46	18.12	3.77	20.53	4.31	24.15	4.54	24.88	4.67	25.36	4.76	26.33	5.04
	0.00	15.70	3.46	18.12	3.77	20.53	4.31	24.15	4.54	24.88	4.67	25.36	4.76	26.33	5.04
	5.00	15.70	3.46	18.12	3.77	20.53	4.31	24.15	4.54	24.88	4.67	25.36	4.76	26.33	5.04
	10.00	15.55	3.46	17.94	3.77	20.33	4.31	23.92	4.54	24.64	4.67	25.11	4.76	26.07	5.04
	15.00	15.55	3.50	17.94	3.81	20.33	4.36	23.92	4.59	24.64	4.73	25.11	4.82	26.07	5.09
	20.00	16.00	3.46	18.47	3.77	20.93	4.31	24.62	4.54	25.36	4.67	25.85	4.76	26.84	5.04
	25.00	15.55	3.54	17.94	3.85	20.33	4.41	23.92	4.64	24.64	4.78	25.11	4.87	26.07	5.15
	30.00	15.70	3.65	18.12	3.97	20.53	4.55	24.15	4.79	24.88	4.93	25.36	5.03	26.33	5.32
	35.00	15.24	3.84	17.59	4.18	19.93	4.79	23.45	5.04	24.15	5.19	24.62	5.29	25.56	5.60
	39.00	14.63	3.96	16.88	4.48	19.14	5.12	22.51	5.29	23.19	5.45	23.64	5.56	24.54	5.88
	41.00	14.33	4.00	16.53	4.60	18.74	5.27	22.04	5.39	22.70	5.56	23.15	5.66	24.03	5.99
	43.00	14.02	3.97	16.18	4.81	18.34	5.51	21.57	5.49	22.22	5.66	22.65	5.77	23.52	6.10
46.00	14.28	4.35	16.48	5.19	18.68	5.94	21.98	6.25	22.64	6.44	23.07	6.56	23.95	6.94	
50.00	11.32	4.54	13.07	5.23	14.81	5.99	17.42	6.50	17.94	6.70	18.29	6.83	18.99	7.22	
60%	-5.00	13.46	2.89	15.53	3.14	17.60	3.59	20.70	3.78	21.32	3.89	21.74	3.97	22.57	4.20
	0.00	13.46	2.89	15.53	3.14	17.60	3.59	20.70	3.78	21.32	3.89	21.74	3.97	22.57	4.20
	5.00	13.46	2.89	15.53	3.14	17.60	3.59	20.70	3.78	21.32	3.89	21.74	3.97	22.57	4.20
	10.00	13.33	2.89	15.38	3.14	17.43	3.59	20.50	3.78	21.12	3.89	21.53	3.97	22.35	4.20
	15.00	13.33	2.92	15.38	3.17	17.43	3.63	20.50	3.82	21.12	3.94	21.53	4.01	22.35	4.24
	20.00	13.72	2.89	15.83	3.14	17.94	3.59	21.11	3.78	21.74	3.89	22.16	3.97	23.00	4.20
	25.00	13.33	2.96	15.38	3.21	17.43	3.67	20.50	3.86	21.12	3.98	21.53	4.06	22.35	4.29
	30.00	13.46	3.05	15.53	3.31	17.60	3.79	20.70	3.99	21.32	4.11	21.74	4.19	22.57	4.43
	35.00	13.07	3.21	15.08	3.49	17.09	3.99	20.10	4.20	20.70	4.33	21.11	4.41	21.91	4.66
	39.00	12.54	3.31	14.47	3.73	16.40	4.27	19.30	4.41	19.87	4.54	20.26	4.63	21.03	4.90
	41.00	12.28	3.34	14.17	3.84	16.06	4.39	18.89	4.49	19.46	4.63	19.84	4.72	20.59	4.99
	43.00	12.02	3.37	13.87	4.01	15.72	4.59	18.49	4.58	19.05	4.72	19.42	4.81	20.16	5.08
46.00	11.50	3.48	13.27	4.32	15.03	4.95	17.69	5.21	18.22	5.37	18.57	5.47	19.28	5.78	
50.00	9.20	3.63	11.27	4.36	12.77	4.99	15.02	5.42	15.48	5.58	15.78	5.69	16.38	6.02	
50%	-5.00	11.21	2.27	12.94	2.51	14.66	2.87	17.25	3.02	17.77	3.12	18.12	3.18	18.81	3.36
	0.00	11.21	2.27	12.94	2.51	14.66	2.87	17.25	3.02	17.77	3.12	18.12	3.18	18.81	3.36
	5.00	11.21	2.27	12.94	2.51	14.66	2.87	17.25	3.02	17.77	3.12	18.12	3.18	18.81	3.36
	10.00	11.11	2.27	12.81	2.51	14.52	2.87	17.09	3.02	17.60	3.12	17.94	3.18	18.62	3.36
	15.00	11.11	2.29	12.81	2.54	14.52	2.91	17.09	3.06	17.60	3.15	17.94	3.21	18.62	3.39
	20.00	11.43	2.27	13.19	2.51	14.95	2.87	17.59	3.02	18.12	3.12	18.47	3.18	19.17	3.36
	25.00	11.11	2.32	12.81	2.57	14.52	2.94	17.09	3.09	17.60	3.18	17.94	3.25	18.62	3.43
	30.00	11.21	2.39	12.94	2.65	14.66	3.03	17.25	3.19	17.77	3.29	18.12	3.35	18.81	3.54
	35.00	10.89	2.52	12.56	2.79	14.24	3.19	16.75	3.36	17.25	3.46	17.59	3.53	18.26	3.73
	39.00	10.45	2.60	12.06	2.98	13.67	3.42	16.08	3.53	16.56	3.63	16.88	3.71	17.53	3.92
	41.00	10.23	2.62	11.81	3.07	13.38	3.51	15.75	3.60	16.22	3.70	16.53	3.78	17.16	3.99
	43.00	10.02	2.65	11.56	3.21	13.10	3.67	15.41	3.66	15.87	3.77	16.18	3.85	16.80	4.07
46.00	9.52	2.75	10.98	3.29	12.44	3.76	14.64	3.96	15.08	4.08	15.37	4.16	15.96	4.39	
50.00	9.22	2.87	10.63	3.31	12.05	3.79	14.18	4.12	14.60	4.24	14.89	4.32	15.45	4.57	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT014173HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	28.65	7.51	33.06	8.31	37.47	9.51	44.08	10.01	45.41	10.31	46.29	10.51	48.05	11.11
	0.00	28.65	7.51	33.06	8.31	37.47	9.51	44.08	10.01	45.41	10.31	46.29	10.51	48.05	11.11
	5.00	28.65	7.51	33.06	8.31	37.47	9.51	44.08	10.01	45.41	10.31	46.29	10.51	48.05	11.11
	10.00	28.38	7.51	32.74	8.31	37.11	9.51	43.66	10.01	44.97	10.31	45.84	10.51	47.59	11.11
	15.00	28.38	7.59	32.74	8.40	37.11	9.61	43.66	10.12	44.97	10.42	45.84	10.63	47.59	11.23
	20.00	29.21	7.51	33.71	8.31	38.20	4.43	44.94	4.43	46.29	4.43	47.19	4.43	48.98	11.11
	25.00	28.38	7.67	32.74	8.49	37.11	9.72	43.66	10.23	44.97	10.54	45.84	10.74	47.59	11.36
	30.00	28.65	7.92	33.06	8.77	37.47	10.04	44.08	10.56	45.41	10.88	46.29	11.09	48.05	11.73
	35.00	27.82	8.34	32.10	9.23	36.38	10.56	42.80	11.12	44.08	11.45	44.94	11.68	46.65	12.34
	39.00	26.71	8.59	30.82	9.88	34.92	11.30	41.09	11.68	42.32	12.03	43.14	12.26	44.79	12.96
	41.00	26.15	8.76	30.17	10.25	34.20	11.73	40.23	12.02	41.44	12.38	42.24	12.62	43.85	13.34
	43.00	25.59	8.84	29.53	10.72	33.47	12.27	39.38	12.24	40.56	12.61	41.34	12.85	42.92	13.59
46.00	22.26	9.69	25.68	11.56	29.10	13.23	34.24	13.92	35.27	14.34	35.95	14.62	37.32	15.46	
50.00	18.08	10.11	20.87	11.65	23.65	13.34	27.82	14.49	28.65	14.92	29.21	15.21	30.32	12.90	
120%	-5.00	28.12	7.51	32.45	8.31	36.77	9.51	43.26	10.01	44.56	10.31	45.42	10.51	47.15	11.11
	0.00	28.12	7.51	32.45	8.31	36.77	9.51	43.26	10.01	44.56	10.31	45.42	10.51	47.15	11.11
	5.00	28.12	7.51	32.45	8.31	36.77	9.51	43.26	10.01	44.56	10.31	45.42	10.51	47.15	11.11
	10.00	27.85	7.51	32.13	8.31	36.41	9.51	42.84	10.01	44.13	10.31	44.98	10.51	46.70	11.11
	15.00	27.85	7.59	32.13	8.40	36.41	9.61	42.84	10.12	44.13	10.42	44.98	10.63	46.70	11.23
	20.00	28.67	7.51	33.08	8.31	37.49	9.51	44.10	10.01	45.42	10.31	46.31	10.51	48.07	11.11
	25.00	27.85	7.67	32.13	8.49	36.41	9.72	42.84	10.23	44.13	10.54	44.98	10.74	46.70	11.36
	30.00	28.12	7.92	32.45	8.77	36.77	10.04	43.26	10.56	44.56	10.88	45.42	11.09	47.15	11.73
	35.00	27.30	8.34	31.50	9.23	35.70	10.56	42.00	11.12	43.26	11.45	44.10	11.68	45.78	12.34
	39.00	26.21	8.55	30.24	9.83	34.27	11.25	40.32	11.62	41.53	4.02	42.34	6.84	43.95	12.90
	41.00	25.66	8.63	29.61	10.10	33.56	11.57	39.48	11.84	40.66	12.20	41.45	12.43	43.03	13.14
	43.00	25.12	8.72	28.98	10.56	32.84	12.09	38.64	12.06	39.80	12.42	40.57	12.67	42.12	13.39
46.00	21.84	9.55	25.20	11.39	28.56	13.04	33.60	13.72	34.61	14.13	35.28	14.41	36.62	15.23	
50.00	17.75	9.96	20.48	11.48	23.21	13.14	27.30	14.28	28.12	14.70	28.67	14.99	29.76	15.85	
110%	-5.00	27.58	7.47	31.83	8.27	36.07	9.46	42.44	9.96	43.71	10.26	44.56	10.46	46.26	11.05
	0.00	27.58	7.47	31.83	8.27	36.07	9.46	42.44	9.96	43.71	10.26	44.56	10.46	46.26	11.05
	5.00	27.58	7.47	31.83	8.27	36.07	9.46	42.44	9.96	43.71	10.26	44.56	10.46	46.26	11.05
	10.00	27.32	7.47	31.52	8.27	35.72	9.46	42.02	9.96	43.28	10.26	44.13	10.46	45.81	11.05
	15.00	27.32	7.55	31.52	8.36	35.72	9.57	42.02	10.07	43.28	10.37	44.13	10.57	45.81	11.18
	20.00	28.12	7.47	32.45	8.27	36.77	9.46	43.26	9.96	44.56	10.26	45.42	10.46	47.15	11.05
	25.00	27.32	7.64	31.52	8.45	35.72	9.67	42.02	10.18	43.28	10.49	44.13	10.69	45.81	11.30
	30.00	27.58	7.88	31.83	8.73	36.07	9.99	42.44	10.51	43.71	10.83	44.56	11.04	46.26	11.67
	35.00	26.78	8.30	30.90	9.18	35.02	10.51	41.20	11.07	42.44	11.40	43.26	11.62	44.91	12.28
	39.00	25.71	8.55	29.66	9.83	33.62	11.25	39.55	11.62	40.74	11.97	41.53	12.20	43.11	12.90
	41.00	25.17	8.63	29.05	10.10	32.92	11.56	38.73	11.84	39.89	12.20	40.66	12.43	42.21	13.14
	43.00	24.64	8.71	28.43	10.56	32.22	12.09	37.90	12.06	39.04	12.42	39.80	12.66	41.32	13.39
46.00	21.42	9.54	24.72	11.39	28.02	13.04	32.96	13.72	33.95	14.13	34.61	14.41	35.93	15.23	
50.00	17.41	9.96	20.09	11.48	22.76	13.14	26.78	14.28	27.58	14.70	28.12	14.99	29.19	15.85	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT014173HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	26.78	7.36	30.90	8.14	35.02	9.32	41.20	9.81	42.44	10.11	43.26	10.30	44.91	10.89
	0.00	26.78	7.36	30.90	8.14	35.02	9.32	41.20	9.81	42.44	10.11	43.26	10.30	44.91	10.89
	5.00	26.78	7.36	30.90	8.14	35.02	9.32	41.20	9.81	42.44	10.11	43.26	10.30	44.91	10.89
	10.00	26.52	7.36	30.60	8.14	34.68	9.32	40.80	9.81	42.02	10.11	42.84	10.30	44.47	10.89
	15.00	26.52	7.44	30.60	8.23	34.68	9.43	40.80	9.92	42.02	10.22	42.84	10.42	44.47	11.01
	20.00	27.30	7.36	31.50	8.14	35.70	9.32	42.00	9.81	43.26	10.11	44.10	10.30	45.78	10.89
	25.00	26.52	7.52	30.60	8.33	34.68	9.53	40.80	10.03	42.02	10.33	42.84	10.53	44.47	11.13
	30.00	26.78	7.77	30.90	8.60	35.02	9.84	41.20	10.36	42.44	10.67	43.26	10.88	44.91	11.50
	35.00	26.00	8.18	30.00	9.05	34.00	10.36	40.00	10.90	41.20	11.23	42.00	11.45	43.60	12.10
	39.00	24.96	8.42	28.80	9.68	32.64	11.08	38.40	11.45	39.55	11.79	40.32	12.02	41.86	12.71
	41.00	24.44	8.50	28.20	9.95	31.96	11.39	37.60	11.67	38.73	12.02	39.48	12.25	40.98	12.95
	43.00	23.92	8.59	27.60	10.41	31.28	11.91	36.80	11.88	37.90	12.24	38.64	12.48	40.11	13.19
46.00	20.80	9.40	24.00	11.22	27.20	12.84	32.00	13.52	32.96	13.92	33.60	14.19	34.88	15.01	
50.00	16.90	9.81	19.50	11.31	22.10	12.95	26.00	14.06	26.78	14.49	27.30	14.77	28.34	15.61	
90%	-5.00	24.10	5.96	27.81	6.60	31.52	7.55	37.08	7.95	38.19	8.19	38.93	8.35	40.42	8.82
	0.00	24.10	5.96	27.81	6.60	31.52	7.55	37.08	7.95	38.19	8.19	38.93	8.35	40.42	8.82
	5.00	24.10	5.96	27.81	6.60	31.52	7.55	37.08	7.95	38.19	8.19	38.93	8.35	40.42	8.82
	10.00	23.87	5.96	27.54	6.60	31.21	7.55	36.72	7.95	37.82	8.19	38.56	8.35	40.02	8.82
	15.00	23.87	6.03	27.54	6.67	31.21	7.63	36.72	8.04	37.82	8.28	38.56	8.44	40.02	8.92
	20.00	24.57	5.96	28.35	6.60	32.13	7.55	37.80	7.95	38.93	8.19	39.69	8.35	41.20	8.82
	25.00	23.87	6.09	27.54	6.74	31.21	7.72	36.72	8.12	37.82	8.37	38.56	8.53	40.02	9.02
	30.00	24.10	6.29	27.81	6.96	31.52	7.97	37.08	8.39	38.19	8.64	38.93	8.81	40.42	9.31
	35.00	23.40	6.62	27.00	7.33	30.60	8.39	36.00	8.83	37.08	9.10	37.80	9.27	39.24	9.80
	39.00	22.46	6.82	25.92	7.84	29.38	8.98	34.56	9.27	35.60	9.55	36.29	9.74	37.67	10.29
	41.00	22.00	6.89	25.38	8.06	28.76	9.23	33.84	9.45	34.86	9.73	35.53	9.92	36.89	10.49
	43.00	21.53	6.95	24.84	8.43	28.15	9.65	33.12	9.63	34.11	9.91	34.78	10.11	36.10	10.68
46.00	20.02	7.33	23.10	8.75	26.18	10.02	30.80	10.54	31.73	10.86	32.34	11.07	33.57	11.70	
50.00	18.94	7.95	21.86	9.16	24.77	10.49	29.15	11.39	30.02	11.73	30.60	11.96	31.77	12.65	
80%	-5.00	21.42	5.22	25.34	5.78	28.72	6.62	33.78	6.97	34.80	7.18	35.47	7.31	36.82	7.73
	0.00	21.42	5.22	25.34	5.78	28.72	6.62	33.78	6.97	34.80	7.18	35.47	7.31	36.82	7.73
	5.00	21.42	5.22	25.34	5.78	28.72	6.62	33.78	6.97	34.80	7.18	35.47	7.31	36.82	7.73
	10.00	21.22	5.22	25.09	5.78	28.44	6.62	33.46	6.97	34.46	7.18	35.13	7.31	36.47	7.73
	15.00	21.22	5.28	25.09	5.85	28.44	6.69	33.46	7.04	34.46	7.26	35.13	7.40	36.47	7.82
	20.00	21.84	5.22	25.83	5.78	29.27	6.62	34.44	6.97	35.47	7.18	36.16	7.31	37.54	7.73
	25.00	21.22	5.34	25.09	5.91	28.44	6.77	33.46	7.12	34.46	7.34	35.13	7.48	36.47	7.90
	30.00	21.96	5.52	25.34	6.10	28.72	6.99	33.78	7.35	34.80	7.57	35.47	7.72	36.82	8.16
	35.00	21.32	5.81	24.60	6.42	27.88	7.35	32.80	7.09	33.78	7.30	34.44	7.44	35.75	7.87
	39.00	20.47	5.98	23.62	6.87	26.76	7.87	31.49	7.44	32.43	7.66	33.06	7.81	34.32	8.26
	41.00	20.04	6.04	23.12	7.07	26.21	8.09	30.83	8.28	31.76	8.53	32.37	8.70	33.61	9.19
	43.00	19.61	6.10	22.63	7.39	25.65	8.46	30.18	8.44	31.08	8.69	31.68	8.86	32.89	9.37
46.00	18.51	6.58	21.36	7.85	24.21	8.99	28.48	9.46	29.33	9.75	29.90	9.94	31.04	10.50	
50.00	15.72	6.67	18.14	7.69	20.55	8.80	24.18	9.56	24.91	9.85	25.39	10.04	26.36	10.62	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT014173HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	18.75	4.42	21.63	4.89	24.51	5.59	28.84	5.89	29.71	6.06	30.28	6.18	31.44	6.53
	0.00	18.75	4.42	21.63	4.89	24.51	5.59	28.84	5.89	29.71	6.06	30.28	6.18	31.44	6.53
	5.00	18.75	4.42	21.63	4.89	24.51	5.59	28.84	5.89	29.71	6.06	30.28	6.18	31.44	6.53
	10.00	18.56	4.42	21.42	4.89	24.28	5.59	28.56	5.89	29.42	6.06	29.99	6.18	31.13	6.53
	15.00	18.56	4.46	21.42	4.94	24.28	5.66	28.56	5.95	29.42	6.13	29.99	6.25	31.13	6.61
	20.00	19.11	4.42	22.05	4.89	24.99	5.59	29.40	5.89	30.28	6.06	30.87	6.18	32.05	6.53
	25.00	18.56	4.51	21.42	5.00	24.28	5.72	28.56	6.02	29.42	6.20	29.99	6.32	31.13	6.68
	30.00	18.75	4.66	21.63	5.16	24.51	5.90	28.84	6.21	29.71	6.40	30.28	6.53	31.44	6.90
	35.00	18.20	4.91	21.00	5.43	23.80	6.21	28.00	6.54	28.84	6.74	29.40	6.87	30.52	7.26
	39.00	17.47	5.05	20.16	5.81	22.85	6.65	26.88	6.87	27.69	7.07	28.22	7.21	29.30	7.62
	41.00	17.11	5.10	19.74	5.97	22.37	6.84	26.32	7.00	27.11	7.21	27.64	7.35	28.69	7.77
	43.00	16.74	5.15	19.32	6.24	21.90	7.15	25.76	7.13	26.53	7.34	27.05	7.49	28.08	7.91
46.00	17.06	5.64	19.68	6.73	22.30	7.71	26.24	8.11	27.03	8.35	27.55	8.52	28.60	9.00	
50.00	13.52	5.89	15.60	6.79	17.68	7.77	20.80	8.44	21.42	8.69	21.84	8.86	22.67	9.37	
60%	-5.00	16.07	3.68	18.54	4.07	21.01	4.66	25.13	4.91	25.89	5.05	26.39	5.15	27.39	5.45
	0.00	16.07	3.68	18.54	4.07	21.01	4.66	25.13	4.91	25.89	5.05	26.39	5.15	27.39	5.45
	5.00	16.07	3.68	18.54	4.07	21.01	4.66	25.13	4.91	25.89	5.05	26.39	5.15	27.39	5.45
	10.00	15.91	3.68	18.36	4.07	20.81	4.66	24.89	4.91	25.63	5.05	26.13	5.15	27.13	5.45
	15.00	15.91	3.72	18.36	4.12	20.81	4.71	24.89	4.96	25.63	5.11	26.13	5.21	27.13	5.51
	20.00	16.38	3.68	18.90	4.07	21.42	4.66	25.62	4.91	26.39	5.05	26.90	5.15	27.93	5.45
	25.00	15.91	3.76	18.36	4.16	20.81	4.76	24.89	5.02	25.63	5.17	26.13	5.27	27.13	5.57
	30.00	16.07	3.88	18.54	4.30	21.01	4.92	25.13	5.18	25.89	5.33	26.39	5.44	27.39	5.75
	35.00	15.60	4.09	18.00	4.52	20.40	5.18	24.40	5.45	25.13	5.61	25.62	5.72	26.60	6.05
	39.00	14.98	4.21	17.28	4.84	19.58	5.54	23.42	5.72	24.13	5.90	24.60	6.01	25.53	6.35
	41.00	14.66	4.25	16.92	4.98	19.18	5.70	22.94	5.83	23.62	6.01	24.08	6.12	25.00	6.47
	43.00	14.35	4.29	16.56	5.20	18.77	5.96	22.45	5.94	23.12	6.12	23.57	6.24	24.47	6.60
46.00	13.73	4.70	15.84	5.61	17.95	6.42	19.52	6.49	20.11	6.68	20.50	6.81	21.28	7.20	
50.00	11.49	4.71	13.26	5.43	15.03	6.21	16.12	6.75	16.87	6.66	17.20	6.79	17.85	7.18	
50%	-5.00	13.39	2.94	15.45	3.26	17.51	3.73	20.60	3.92	21.22	4.04	21.63	4.12	22.45	4.36
	0.00	13.39	2.94	15.45	3.26	17.51	3.73	20.60	3.92	21.22	4.04	21.63	4.12	22.45	4.36
	5.00	13.39	2.94	15.45	3.26	17.51	3.73	20.60	3.92	21.22	4.04	21.63	4.12	22.45	4.36
	10.00	13.26	2.94	15.30	3.26	17.34	3.73	20.40	3.92	21.01	4.04	21.42	4.12	22.24	4.36
	15.00	13.26	2.98	15.30	3.29	17.34	3.77	20.40	3.97	21.01	4.09	21.42	4.17	22.24	4.41
	20.00	13.65	2.94	15.75	3.26	17.85	3.73	21.00	3.92	21.63	4.04	22.05	4.12	22.89	4.36
	25.00	13.26	3.01	15.30	3.33	17.34	3.81	20.40	4.01	21.01	4.13	21.42	4.21	22.24	4.45
	30.00	13.39	3.11	15.45	3.44	17.51	3.94	20.60	4.14	21.22	4.27	21.63	4.35	22.45	4.60
	35.00	13.00	3.27	15.00	3.62	17.00	4.14	20.00	4.36	20.60	4.49	21.00	4.58	21.80	4.84
	39.00	12.48	3.37	14.40	3.87	16.32	4.43	19.20	4.58	19.78	4.72	20.16	4.81	20.93	5.08
	41.00	12.22	3.40	14.10	3.98	15.98	4.56	18.80	4.67	19.36	4.81	19.74	4.90	20.49	5.18
	43.00	11.96	3.43	13.80	4.16	15.64	4.76	18.40	4.75	18.95	4.90	19.32	4.99	20.06	5.28
46.00	11.36	3.57	13.11	4.26	14.86	4.88	17.48	5.14	18.00	5.29	18.35	5.39	19.05	5.70	
50.00	11.00	3.73	12.70	4.30	14.39	4.92	16.93	5.34	17.44	5.50	17.77	5.61	18.45	5.93	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT016173HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	32.24	8.12	37.20	8.99	42.16	10.29	49.59	10.83	51.08	11.16	52.07	11.37	54.06	12.02
	0.00	32.24	8.12	37.20	8.99	42.16	10.29	49.59	10.83	51.08	11.16	52.07	11.37	54.06	12.02
	5.00	32.24	8.12	37.20	8.99	42.16	10.29	49.59	10.83	51.08	11.16	52.07	11.37	54.06	12.02
	10.00	31.92	8.12	36.83	8.99	41.75	10.29	49.11	10.83	50.59	11.16	51.57	11.37	53.53	12.02
	15.00	31.92	8.21	36.83	9.09	41.75	10.41	49.11	10.95	50.59	11.28	51.57	11.50	53.53	12.16
	20.00	32.86	8.12	37.92	8.99	42.97	4.43	50.56	4.43	52.07	4.43	53.09	4.43	55.11	12.02
	25.00	31.92	8.30	36.83	9.19	41.75	10.52	49.11	11.07	50.59	11.41	51.57	11.63	53.53	12.29
	30.00	32.24	8.58	37.20	9.49	42.16	10.86	49.59	11.43	51.08	11.78	52.07	12.01	54.06	12.69
	35.00	31.30	9.03	36.11	9.99	40.93	11.43	48.15	12.04	49.59	12.40	50.56	12.64	52.48	13.36
	39.00	30.05	9.30	34.67	10.69	39.29	12.23	46.22	12.64	47.61	13.02	48.54	13.27	50.38	14.03
	41.00	29.42	9.48	33.95	11.10	38.47	12.70	45.26	13.00	46.62	13.39	47.52	13.66	49.33	14.44
	43.00	28.79	9.57	33.22	11.60	37.65	13.28	44.30	13.25	45.63	13.65	46.51	13.91	48.28	14.71
46.00	25.04	10.48	28.89	12.51	32.74	14.32	38.52	15.07	39.68	15.52	40.45	15.82	41.99	16.73	
50.00	20.34	10.94	23.47	12.61	26.60	14.43	31.30	15.68	32.24	16.15	32.86	16.46	34.11	17.40	
120%	-5.00	31.63	8.12	36.50	8.99	41.37	10.29	48.67	10.83	50.13	11.16	51.10	11.37	53.05	12.02
	0.00	31.63	8.12	36.50	8.99	41.37	10.29	48.67	10.83	50.13	11.16	51.10	11.37	53.05	12.02
	5.00	31.63	8.12	36.50	8.99	41.37	10.29	48.67	10.83	50.13	11.16	51.10	11.37	53.05	12.02
	10.00	31.33	8.12	36.15	8.99	40.97	10.29	48.20	10.83	49.64	11.16	50.60	11.37	52.53	12.02
	15.00	31.33	8.21	36.15	9.09	40.97	10.41	48.20	10.95	49.64	11.28	50.60	11.50	52.53	12.16
	20.00	32.25	8.12	37.21	8.99	42.17	10.29	49.61	10.83	51.10	11.16	52.09	11.37	54.08	12.02
	25.00	31.33	8.30	36.15	9.19	40.97	10.52	48.20	11.07	49.64	11.41	50.60	11.63	52.53	12.29
	30.00	31.63	8.58	36.50	9.49	41.37	10.86	48.67	11.43	50.13	11.78	51.10	12.01	53.05	12.69
	35.00	30.71	9.03	35.44	9.99	40.16	11.43	47.25	12.04	48.67	12.40	49.61	12.64	51.50	13.36
	39.00	29.48	9.25	34.02	10.64	38.56	12.18	45.36	12.58	46.72	4.02	47.63	6.84	49.44	13.96
	41.00	28.87	9.34	33.31	10.94	37.75	12.52	44.42	12.82	45.75	13.20	46.64	13.46	48.41	14.23
	43.00	28.26	9.43	32.60	11.43	36.95	13.09	43.47	13.06	44.77	13.45	45.64	13.71	47.38	14.49
46.00	24.57	10.33	28.35	12.33	32.13	14.11	37.80	14.85	38.93	15.30	39.69	15.60	41.20	16.49	
50.00	19.96	10.78	23.03	12.43	26.11	14.22	30.71	15.45	31.63	15.92	32.25	16.22	33.48	17.15	
110%	-5.00	31.03	8.08	35.81	8.95	40.58	10.24	47.74	10.78	49.17	11.10	50.13	11.32	52.04	11.97
	0.00	31.03	8.08	35.81	8.95	40.58	10.24	47.74	10.78	49.17	11.10	50.13	11.32	52.04	11.97
	5.00	31.03	8.08	35.81	8.95	40.58	10.24	47.74	10.78	49.17	11.10	50.13	11.32	52.04	11.97
	10.00	30.73	8.08	35.46	8.95	40.19	10.24	47.28	10.78	48.70	11.10	49.64	11.32	51.53	11.97
	15.00	30.73	8.17	35.46	9.05	40.19	10.35	47.28	10.90	48.70	11.23	49.64	11.44	51.53	12.10
	20.00	31.63	8.08	36.50	8.95	41.37	10.24	48.67	10.78	50.13	11.10	51.10	11.32	53.05	11.97
	25.00	30.73	8.26	35.46	9.15	40.19	10.47	47.28	11.02	48.70	11.35	49.64	11.57	51.53	12.23
	30.00	31.03	8.53	35.81	9.44	40.58	10.81	47.74	11.38	49.17	11.72	50.13	11.95	52.04	12.63
	35.00	30.13	8.98	34.76	9.94	39.40	11.38	46.35	11.98	47.74	12.34	48.67	12.58	50.52	13.29
	39.00	28.92	9.25	33.37	10.64	37.82	12.17	44.50	12.58	45.83	12.95	46.72	13.20	48.50	13.96
	41.00	28.32	9.34	32.68	10.94	37.03	12.52	43.57	12.82	44.88	13.20	45.75	13.46	47.49	14.23
	43.00	27.72	9.43	31.98	11.43	36.25	13.08	42.64	13.05	43.92	13.45	44.77	13.71	46.48	14.49
46.00	24.10	10.33	27.81	12.33	31.52	14.11	37.08	14.85	38.19	15.30	38.93	15.59	40.42	16.49	
50.00	19.58	10.78	22.60	12.43	25.61	14.22	30.13	15.45	31.03	15.91	31.63	16.22	32.84	17.15	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT016173HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	30.13	7.97	34.76	8.81	39.40	10.09	46.35	10.62	47.74	10.94	48.67	11.15	50.52	11.79
	0.00	30.13	7.97	34.76	8.81	39.40	10.09	46.35	10.62	47.74	10.94	48.67	11.15	50.52	11.79
	5.00	30.13	7.97	34.76	8.81	39.40	10.09	46.35	10.62	47.74	10.94	48.67	11.15	50.52	11.79
	10.00	29.84	7.97	34.43	8.81	39.02	10.09	45.90	10.62	47.28	10.94	48.20	11.15	50.03	11.79
	15.00	29.84	8.05	34.43	8.91	39.02	10.20	45.90	10.74	47.28	11.06	48.20	11.27	50.03	11.92
	20.00	30.71	7.97	35.44	8.81	40.16	10.09	47.25	10.62	48.67	10.94	49.61	11.15	51.50	11.79
	25.00	29.84	8.14	34.43	9.01	39.02	10.31	45.90	10.86	47.28	11.18	48.20	11.40	50.03	12.05
	30.00	30.13	8.41	34.76	9.30	39.40	10.65	46.35	11.21	47.74	11.55	48.67	11.77	50.52	12.44
	35.00	29.25	8.85	33.75	9.79	38.25	11.21	45.00	11.80	46.35	12.15	47.25	12.39	49.05	13.10
	39.00	28.08	9.12	32.40	10.48	36.72	11.99	43.20	12.39	44.50	12.76	45.36	13.01	47.09	13.75
	41.00	27.50	9.20	31.73	10.77	35.96	12.33	42.30	12.63	43.57	13.00	44.42	13.26	46.11	14.01
	43.00	26.91	9.29	31.05	11.26	35.19	12.89	41.40	12.86	42.64	13.25	43.47	13.51	45.13	14.28
46.00	23.40	10.18	27.00	12.14	30.60	13.90	36.00	14.63	37.08	15.07	37.80	15.36	39.24	16.24	
50.00	19.01	10.62	21.94	12.24	24.86	14.01	29.25	15.22	30.13	15.68	30.71	15.98	31.88	16.90	
90%	-5.00	27.11	6.45	31.29	7.14	35.46	8.17	41.72	8.60	42.97	8.86	43.80	9.03	45.47	9.55
	0.00	27.11	6.45	31.29	7.14	35.46	8.17	41.72	8.60	42.97	8.86	43.80	9.03	45.47	9.55
	5.00	27.11	6.45	31.29	7.14	35.46	8.17	41.72	8.60	42.97	8.86	43.80	9.03	45.47	9.55
	10.00	26.85	6.45	30.98	7.14	35.11	8.17	41.31	8.60	42.55	8.86	43.38	9.03	45.03	9.55
	15.00	26.85	6.52	30.98	7.22	35.11	8.26	41.31	8.70	42.55	8.96	43.38	9.13	45.03	9.65
	20.00	27.64	6.45	31.89	7.14	36.15	8.17	42.53	8.60	43.80	8.86	44.65	9.03	46.35	9.55
	25.00	26.85	6.60	30.98	7.30	35.11	8.35	41.31	8.79	42.55	9.06	43.38	9.23	45.03	9.76
	30.00	27.11	6.81	31.29	7.54	35.46	8.63	41.72	9.08	42.97	9.35	43.80	9.53	45.47	10.08
	35.00	26.33	7.17	30.38	7.93	34.43	9.08	40.50	9.56	41.72	9.84	42.53	10.04	44.15	10.61
	39.00	25.27	7.38	29.16	8.49	33.05	9.72	38.88	10.04	40.05	10.34	40.82	10.54	42.38	11.14
	41.00	24.75	7.46	28.55	8.73	32.36	9.99	38.07	10.23	39.21	10.53	39.97	10.74	41.50	11.35
	43.00	24.22	7.53	27.95	9.12	31.67	10.44	37.26	10.42	38.38	10.73	39.12	10.94	40.61	11.56
46.00	22.52	7.94	25.99	9.47	29.45	10.84	34.65	11.41	35.69	11.76	36.38	11.98	37.77	12.67	
50.00	21.31	8.60	24.59	9.92	27.87	11.35	32.79	12.33	33.77	12.70	34.43	12.95	35.74	13.69	
80%	-5.00	24.10	5.66	27.81	6.26	31.52	7.16	37.08	7.54	38.19	7.77	38.93	7.92	40.42	8.37
	0.00	24.10	5.66	27.81	6.26	31.52	7.16	37.08	7.54	38.19	7.77	38.93	7.92	40.42	8.37
	5.00	24.10	5.66	27.81	6.26	31.52	7.16	37.08	7.54	38.19	7.77	38.93	7.92	40.42	8.37
	10.00	23.87	5.66	27.54	6.26	31.21	7.16	36.72	7.54	37.82	7.77	38.56	7.92	40.02	8.37
	15.00	23.87	5.72	27.54	6.33	31.21	7.24	36.72	7.62	37.82	7.85	38.56	8.01	40.02	8.46
	20.00	24.57	5.66	28.35	6.26	32.13	7.16	37.80	7.54	38.93	7.77	39.69	7.92	41.20	8.37
	25.00	23.87	5.78	27.54	6.40	31.21	7.32	36.72	7.71	37.82	7.94	38.56	8.09	40.02	8.56
	30.00	24.70	5.97	28.51	6.61	32.31	7.56	38.01	7.96	39.15	8.20	39.91	8.36	41.43	8.83
	35.00	23.99	6.28	27.68	6.95	31.37	7.96	36.90	8.38	38.01	8.63	38.75	8.80	40.22	9.30
	39.00	23.03	6.47	26.57	7.44	30.11	8.52	35.42	8.80	36.49	9.06	37.20	9.24	38.61	9.76
	41.00	22.55	6.53	26.01	7.65	29.48	8.76	34.69	8.96	35.73	9.23	36.42	9.41	37.81	9.95
	43.00	22.07	6.60	25.46	8.00	28.86	9.15	33.95	9.13	34.97	9.41	35.65	9.59	37.00	10.14
46.00	20.83	7.12	24.03	8.50	27.23	9.73	32.04	10.24	33.00	10.55	33.64	10.75	34.92	11.37	
50.00	17.68	7.22	20.40	8.32	23.12	9.53	27.20	10.35	28.02	10.66	28.56	10.87	29.65	11.49	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT016173HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	21.69	4.78	25.03	5.29	28.37	6.05	33.37	6.37	34.37	6.56	35.53	6.69	36.88	7.07
	0.00	21.69	4.78	25.03	5.29	28.37	6.05	33.37	6.37	34.37	6.56	35.53	6.69	36.88	7.07
	5.00	21.69	4.78	25.03	5.29	28.37	6.05	33.37	6.37	34.37	6.56	35.53	6.69	36.88	7.07
	10.00	21.48	4.78	24.79	5.29	28.09	6.05	33.05	6.37	34.04	6.56	35.18	6.69	36.52	7.07
	15.00	21.48	4.83	24.79	5.35	28.09	6.12	33.05	6.44	34.04	6.64	35.18	6.76	36.52	7.15
	20.00	22.11	4.78	25.52	5.29	28.92	6.05	34.02	6.37	35.04	6.56	36.22	6.69	37.60	7.07
	25.00	21.48	4.89	24.79	5.41	28.09	6.19	33.05	6.51	34.04	6.71	35.18	6.84	36.52	7.23
	30.00	21.69	5.04	25.03	5.58	28.37	6.39	33.37	6.73	34.37	6.93	35.53	7.06	36.88	7.47
	35.00	21.06	5.31	24.30	5.88	27.54	6.73	32.40	7.08	33.37	7.29	34.49	7.43	35.81	7.86
	39.00	20.22	5.47	23.33	6.29	26.44	7.20	31.10	7.43	32.04	7.66	33.11	7.81	34.37	8.25
	41.00	19.80	5.52	22.84	6.46	25.89	7.40	30.46	7.58	31.37	7.80	32.42	7.95	33.66	8.41
	43.00	19.38	5.58	22.36	6.76	25.34	7.73	29.81	7.72	30.70	7.95	31.73	8.10	32.94	8.57
46.00	18.25	5.90	21.06	7.04	23.87	8.06	28.08	8.49	28.92	8.74	27.59	8.91	28.65	9.42	
50.00	14.83	6.05	17.11	6.98	19.39	7.99	22.82	8.68	23.50	8.94	22.42	9.11	23.27	9.63	
60%	-5.00	18.68	3.98	21.55	4.41	24.43	5.04	28.74	5.31	29.60	5.47	30.66	5.58	31.83	5.89
	0.00	18.68	3.98	21.55	4.41	24.43	5.04	28.74	5.31	29.60	5.47	30.66	5.58	31.83	5.89
	5.00	18.68	3.98	21.55	4.41	24.43	5.04	28.74	5.31	29.60	5.47	30.66	5.58	31.83	5.89
	10.00	18.50	3.98	21.34	4.41	24.19	5.04	28.46	5.31	29.31	5.47	30.36	5.58	31.52	5.89
	15.00	18.50	4.03	21.34	4.46	24.19	5.10	28.46	5.37	29.31	5.53	30.36	5.64	31.52	5.96
	20.00	19.04	3.98	21.97	4.41	24.90	5.04	29.30	5.31	30.17	5.47	31.26	5.58	32.45	5.89
	25.00	18.50	4.07	21.34	4.51	24.19	5.16	28.46	5.43	29.31	5.59	30.36	5.70	31.52	6.03
	30.00	18.68	4.20	21.55	4.65	24.43	5.32	28.74	5.61	29.60	5.77	30.66	5.89	31.83	6.22
	35.00	18.14	4.43	20.93	4.90	23.72	5.61	27.90	5.90	28.74	6.08	29.77	6.20	30.90	6.55
	39.00	17.41	4.56	20.09	5.24	22.77	6.00	26.78	6.20	27.59	6.38	28.58	6.50	29.67	6.88
	41.00	17.05	4.60	19.67	5.39	22.29	6.17	26.23	6.31	27.01	6.50	27.98	6.63	29.05	7.01
	43.00	16.68	4.65	19.25	5.63	21.82	6.45	25.67	6.43	26.44	6.62	27.39	6.75	28.43	7.14
46.00	16.15	5.09	18.63	6.07	21.11	6.95	24.84	7.32	25.59	7.54	23.81	7.68	24.72	8.12	
50.00	13.12	5.10	15.14	5.88	17.16	6.73	20.18	7.31	20.79	7.53	19.35	7.67	20.09	8.11	
50%	-5.00	15.06	3.19	17.38	3.53	19.70	4.04	23.18	4.25	23.87	4.38	24.33	4.46	25.26	4.72
	0.00	15.06	3.19	17.38	3.53	19.70	4.04	23.18	4.25	23.87	4.38	24.33	4.46	25.26	4.72
	5.00	15.06	3.19	17.38	3.53	19.70	4.04	23.18	4.25	23.87	4.38	24.33	4.46	25.26	4.72
	10.00	14.92	3.19	17.21	3.53	19.51	4.04	22.95	4.25	23.64	4.38	24.10	4.46	25.02	4.72
	15.00	14.92	3.22	17.21	3.57	19.51	4.08	22.95	4.30	23.64	4.42	24.10	4.51	25.02	4.77
	20.00	15.36	3.19	17.72	3.53	20.08	4.04	23.63	4.25	24.33	4.38	24.81	4.46	25.75	4.72
	25.00	14.92	3.26	17.21	3.60	19.51	4.13	22.95	4.34	23.64	4.47	24.10	4.56	25.02	4.82
	30.00	15.06	3.36	17.38	3.72	19.70	4.26	23.18	4.48	23.87	4.62	24.33	4.71	25.26	4.98
	35.00	14.63	3.54	16.88	3.92	19.13	4.48	22.50	4.72	23.18	4.86	23.63	4.96	24.53	5.24
	39.00	14.04	3.65	16.20	4.19	18.36	4.80	21.60	4.96	22.25	5.10	22.68	5.20	23.54	5.50
	41.00	13.75	3.68	15.86	4.31	17.98	4.93	21.15	5.05	21.78	5.20	22.21	5.30	23.05	5.61
	43.00	13.46	3.72	15.53	4.51	17.60	5.16	20.70	5.14	21.32	5.30	21.74	5.40	22.56	5.71
46.00	12.78	3.87	14.75	4.61	16.72	5.28	19.67	5.56	20.25	5.73	20.65	5.84	21.43	6.17	
50.00	12.38	4.04	14.28	4.65	16.19	5.32	19.04	5.78	19.62	5.96	20.00	6.07	20.76	6.42	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT018173HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	36.10	9.85	41.66	10.90	47.21	12.47	55.55	13.13	57.21	13.52	58.32	13.78	60.54	14.57
	0.00	36.10	9.85	41.66	10.90	47.21	12.47	55.55	13.13	57.21	13.52	58.32	13.78	60.54	14.57
	5.00	36.10	9.85	41.66	10.90	47.21	12.47	55.55	13.13	57.21	13.52	58.32	13.78	60.54	14.57
	10.00	35.75	9.85	41.25	10.90	46.76	12.47	55.01	13.13	56.66	13.52	57.76	13.78	59.96	14.57
	15.00	35.75	9.95	41.25	11.02	46.76	12.61	55.01	13.27	56.66	13.67	57.76	13.94	59.96	14.73
	20.00	36.81	9.85	42.47	10.90	48.13	4.43	56.62	4.43	58.32	4.43	59.46	4.43	61.72	14.57
	25.00	35.75	10.06	41.25	11.14	46.76	12.75	55.01	13.42	56.66	13.82	57.76	14.09	59.96	14.90
	30.00	36.10	10.39	41.66	11.50	47.21	13.16	55.55	13.86	57.21	14.27	58.32	14.55	60.54	15.38
	35.00	35.05	10.94	40.45	12.11	45.84	13.86	53.93	14.59	55.55	15.02	56.62	15.32	58.78	16.19
	39.00	33.65	11.27	38.83	12.95	44.01	14.83	51.77	15.32	53.32	15.77	54.36	16.08	56.43	17.00
	41.00	32.95	11.49	38.02	13.45	43.09	15.39	50.69	15.76	52.21	16.23	53.23	16.55	55.25	17.49
	43.00	32.25	11.60	37.21	14.06	42.17	16.09	49.61	16.05	51.10	16.54	52.09	16.86	54.08	17.82
46.00	28.04	12.70	32.36	15.16	36.67	17.35	43.14	18.26	44.44	18.81	45.30	19.18	47.03	20.27	
50.00	22.78	13.26	26.29	15.28	29.80	17.49	35.05	19.00	36.10	19.57	36.81	19.95	38.21	21.09	
120%	-5.00	35.43	9.85	40.88	10.90	46.33	12.47	54.51	13.13	56.14	13.52	57.23	13.78	59.41	14.57
	0.00	35.43	9.85	40.88	10.90	46.33	12.47	54.51	13.13	56.14	13.52	57.23	13.78	59.41	14.57
	5.00	35.43	9.85	40.88	10.90	46.33	12.47	54.51	13.13	56.14	13.52	57.23	13.78	59.41	14.57
	10.00	35.09	9.85	40.48	10.90	45.88	12.47	53.98	13.13	55.60	13.52	56.68	13.78	58.84	14.57
	15.00	35.09	9.95	40.48	11.02	45.88	12.61	53.98	13.27	55.60	13.67	56.68	13.94	58.84	14.73
	20.00	36.12	9.85	41.67	10.90	47.23	12.47	55.57	13.13	57.23	13.52	58.34	13.78	60.57	14.57
	25.00	35.09	10.06	40.48	11.14	45.88	12.75	53.98	13.42	55.60	13.82	56.68	14.09	58.84	14.90
	30.00	35.43	10.39	40.88	11.50	46.33	13.16	54.51	13.86	56.14	14.27	57.23	14.55	59.41	15.38
	35.00	34.40	10.94	39.69	12.11	44.98	13.86	52.92	14.59	54.51	15.02	55.57	15.32	57.68	16.19
	39.00	33.02	11.21	38.10	12.89	43.18	14.76	50.80	15.24	52.33	4.02	53.34	6.84	55.38	16.92
	41.00	32.33	11.32	37.31	13.25	42.28	15.17	49.74	15.53	51.24	16.00	52.23	16.31	54.22	17.24
	43.00	31.65	11.43	36.51	13.86	41.38	15.86	48.69	15.82	50.15	16.30	51.12	16.61	53.07	17.56
46.00	27.52	12.52	31.75	14.94	35.99	17.10	42.34	18.00	43.61	18.54	44.45	18.90	46.15	19.98	
50.00	22.36	13.06	25.80	15.06	29.24	17.24	34.40	18.73	35.43	19.29	36.12	19.66	37.49	20.79	
110%	-5.00	34.76	9.80	40.10	10.84	45.45	12.41	53.47	13.06	55.07	13.45	56.14	13.72	58.28	14.50
	0.00	34.76	9.80	40.10	10.84	45.45	12.41	53.47	13.06	55.07	13.45	56.14	13.72	58.28	14.50
	5.00	34.76	9.80	40.10	10.84	45.45	12.41	53.47	13.06	55.07	13.45	56.14	13.72	58.28	14.50
	10.00	34.42	9.80	39.71	10.84	45.01	12.41	52.95	13.06	54.54	13.45	55.60	13.72	57.72	14.50
	15.00	34.42	9.91	39.71	10.96	45.01	12.55	52.95	13.21	54.54	13.60	55.60	13.87	57.72	14.66
	20.00	35.43	9.80	40.88	10.84	46.33	12.41	54.51	13.06	56.14	13.45	57.23	13.72	59.41	14.50
	25.00	34.42	10.02	39.71	11.08	45.01	12.69	52.95	13.35	54.54	13.75	55.60	14.02	57.72	14.82
	30.00	34.76	10.34	40.10	11.44	45.45	13.10	53.47	13.79	55.07	14.20	56.14	14.48	58.28	15.31
	35.00	33.74	10.89	38.93	12.05	44.13	13.79	51.91	14.51	53.47	14.95	54.51	15.24	56.58	16.11
	39.00	32.39	11.21	37.38	12.89	42.36	14.75	49.84	15.24	51.33	15.70	52.33	16.00	54.32	16.92
	41.00	31.72	11.32	36.60	13.25	41.48	15.17	48.80	15.53	50.26	16.00	51.24	16.31	53.19	17.24
	43.00	31.04	11.43	35.82	13.85	40.60	15.86	47.76	15.82	49.19	16.30	50.15	16.61	52.06	17.56
46.00	26.99	12.52	31.15	14.94	35.30	17.10	41.53	18.00	42.78	18.54	43.61	18.90	45.27	19.98	
50.00	21.93	13.06	25.31	15.06	28.68	17.24	33.74	18.72	34.76	19.29	35.43	19.66	36.78	20.78	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT018173HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	33.74	9.65	38.93	10.68	44.13	12.23	51.91	12.87	53.47	13.26	54.51	13.51	56.58	14.29		
	0.00	33.74	9.65	38.93	10.68	44.13	12.23	51.91	12.87	53.47	13.26	54.51	13.51	56.58	14.29		
	5.00	33.74	9.65	38.93	10.68	44.13	12.23	51.91	12.87	53.47	13.26	54.51	13.51	56.58	14.29		
	10.00	33.42	9.65	38.56	10.68	43.70	12.23	51.41	12.87	52.95	13.26	53.98	13.51	56.03	14.29		
	15.00	33.42	9.76	38.56	10.80	43.70	12.36	51.41	13.01	52.95	13.40	53.98	13.66	56.03	14.44		
	20.00	34.40	9.65	39.69	10.68	44.98	12.23	52.92	12.87	54.51	13.26	55.57	13.51	57.68	14.29		
	25.00	33.42	9.87	38.56	10.92	43.70	12.50	51.41	13.16	52.95	13.55	53.98	13.81	56.03	14.60		
	30.00	33.74	10.19	38.93	11.28	44.13	12.91	51.91	13.59	53.47	13.99	54.51	14.26	56.58	15.08		
	35.00	32.76	10.73	37.80	11.87	42.84	13.59	50.40	14.30	51.91	14.73	52.92	15.02	54.94	15.87		
	39.00	31.45	11.05	36.29	12.70	41.13	14.54	48.38	15.02	49.84	15.47	50.80	15.77	52.74	16.67		
	41.00	30.79	11.15	35.53	13.06	40.27	14.94	47.38	15.30	48.80	15.76	49.74	16.07	51.64	16.98		
	43.00	30.14	11.26	34.78	13.65	39.41	15.62	46.37	15.59	47.76	16.05	48.69	16.37	50.54	17.30		
46.00	26.21	12.33	30.24	14.72	34.27	16.85	40.32	17.73	41.53	18.26	42.34	18.62	43.95	19.68			
50.00	21.29	12.87	24.57	14.84	27.85	16.98	32.76	18.45	33.74	19.00	34.40	19.37	35.71	20.48			
90%	-5.00	30.37	8.20	35.04	8.87	39.71	10.15	46.72	10.68	48.12	11.00	49.06	11.22	50.93	11.86		
	0.00	30.37	8.20	35.04	9.08	39.71	10.39	46.72	10.68	48.12	11.00	49.06	11.22	50.93	11.86		
	5.00	30.37	8.20	35.04	9.08	39.71	10.39	46.72	10.68	48.12	11.00	49.06	11.22	50.93	11.86		
	10.00	30.07	8.20	34.70	9.08	39.33	10.39	46.27	10.68	47.66	11.00	48.58	11.22	50.43	11.86		
	15.00	30.07	8.30	34.70	9.18	39.33	10.51	46.27	10.80	47.66	11.12	48.58	11.34	50.43	11.99		
	20.00	30.96	8.20	35.72	9.08	40.48	10.39	47.63	10.68	49.06	11.00	50.01	11.22	51.91	11.86		
	25.00	30.07	8.39	34.70	9.28	39.33	10.62	46.27	10.92	47.66	11.25	48.58	11.47	50.43	12.12		
	30.00	30.37	8.66	35.04	9.58	39.71	10.97	46.72	11.28	48.12	11.61	49.06	11.84	50.93	12.52		
	35.00	29.48	9.12	34.02	10.09	38.56	11.55	45.36	11.87	46.72	12.23	47.63	12.46	49.44	13.17		
	39.00	28.30	9.39	32.66	10.79	37.01	12.36	43.55	12.46	44.85	12.84	45.72	13.09	47.46	13.83		
	41.00	27.71	9.48	31.98	10.84	36.24	12.40	42.64	12.70	43.92	13.08	44.77	13.33	46.48	14.10		
	43.00	27.13	9.57	31.30	10.92	35.47	12.50	41.73	12.94	42.98	13.33	43.82	13.58	45.49	14.36		
46.00	25.23	10.48	29.11	11.92	32.99	13.64	38.81	14.19	39.97	14.61	40.75	14.89	42.30	15.75			
50.00	23.87	10.94	27.54	12.61	31.21	14.43	36.72	15.31	37.83	15.77	38.56	16.08	40.03	17.00			
80%	-5.00	26.99	7.72	31.15	7.80	35.30	8.93	41.53	9.14	42.78	9.41	43.61	9.59	45.27	10.14		
	0.00	26.99	7.72	31.15	7.80	35.30	8.93	41.53	9.14	42.78	9.41	43.61	9.59	45.27	10.14		
	5.00	26.99	7.72	31.15	7.80	35.30	8.93	41.53	9.14	42.78	9.41	43.61	9.59	45.27	10.14		
	10.00	26.73	7.72	30.84	7.80	34.96	8.93	41.13	9.14	42.36	9.41	43.18	9.59	44.83	10.14		
	15.00	26.73	7.81	30.84	7.88	34.96	9.02	41.13	9.24	42.36	9.52	43.18	9.70	44.83	10.26		
	20.00	27.52	7.72	31.75	7.80	35.99	8.93	42.34	9.14	43.61	9.41	44.45	9.59	46.15	10.14		
	25.00	26.73	7.89	30.84	7.97	34.96	9.12	41.13	9.34	42.36	9.62	43.18	9.81	44.83	10.37		
	30.00	27.67	8.15	31.93	8.23	36.18	9.42	42.57	9.65	43.84	9.93	44.70	10.13	46.40	10.71		
	35.00	26.86	8.58	31.00	8.66	35.13	9.92	41.33	10.15	42.57	10.46	43.39	10.66	45.05	11.27		
	39.00	25.79	8.84	29.76	9.27	33.72	10.61	39.67	10.66	40.87	10.98	41.66	11.19	43.25	11.83		
	41.00	25.25	8.92	29.14	9.53	33.02	10.91	38.85	10.86	40.01	11.19	40.79	11.41	42.34	12.06		
	43.00	24.71	9.01	28.52	9.96	32.32	11.40	38.02	11.07	39.16	11.40	39.92	11.62	41.44	12.28		
46.00	23.33	9.87	26.91	10.74	30.50	12.30	35.88	12.59	36.96	12.97	37.68	13.22	39.11	13.97			
50.00	19.80	10.30	22.85	10.83	25.90	12.40	30.47	13.10	31.38	13.49	31.99	13.75	33.21	14.54			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT018173HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	24.29	6.76	28.03	6.62	31.77	7.58	37.38	7.98	38.50	8.22	39.25	8.38	40.74	8.86		
	0.00	24.29	6.76	28.03	6.62	31.77	7.58	37.38	7.98	38.50	8.22	39.25	8.38	40.74	8.86		
	5.00	24.29	6.76	28.03	6.62	31.77	7.58	37.38	7.98	38.50	8.22	39.25	8.38	40.74	8.86		
	10.00	24.06	6.76	27.76	6.62	31.46	7.58	37.01	7.98	38.12	8.22	38.86	8.38	40.34	8.86		
	15.00	24.06	6.83	27.76	6.70	31.46	7.66	37.01	8.07	38.12	8.31	38.86	8.47	40.34	8.96		
	20.00	24.77	6.76	28.58	6.62	32.39	7.58	38.10	7.98	39.25	8.22	40.01	8.38	41.53	8.86		
	25.00	24.06	6.91	27.76	6.77	31.46	7.75	37.01	8.16	38.12	8.40	38.86	8.56	40.34	9.05		
	30.00	24.29	7.13	28.03	6.99	31.77	8.00	37.38	8.42	38.50	8.68	39.25	8.84	40.74	9.35		
	35.00	23.59	7.51	27.22	7.36	30.84	8.42	36.29	8.87	37.38	9.13	38.10	9.31	39.55	9.84		
	39.00	22.64	7.73	26.13	7.87	29.61	9.01	34.84	9.31	35.88	9.59	36.58	9.77	37.97	10.33		
	41.00	22.17	7.14	25.58	8.09	28.99	9.26	34.11	9.49	35.13	9.77	35.82	9.96	37.18	10.53		
	43.00	21.70	7.88	25.04	8.46	28.38	9.69	33.38	9.66	34.39	9.95	35.05	10.15	36.39	10.73		
46.00	20.44	8.63	23.59	9.12	26.73	10.44	31.45	10.82	32.39	11.14	33.02	11.36	34.28	12.01			
50.00	16.61	8.37	19.16	9.20	21.72	10.53	25.55	11.07	26.32	11.40	26.83	11.62	27.85	12.29			
60%	-5.00	20.92	5.50	24.14	5.34	27.36	6.11	32.19	6.44	33.15	6.63	33.79	6.76	35.08	7.14		
	0.00	20.92	5.50	24.14	5.34	27.36	6.11	32.19	6.44	33.15	6.63	33.79	6.76	35.08	7.14		
	5.00	20.92	5.50	24.14	5.34	27.36	6.11	32.19	6.44	33.15	6.63	33.79	6.76	35.08	7.14		
	10.00	20.72	5.50	23.90	5.34	27.09	6.11	31.87	6.44	32.83	6.63	33.47	6.76	34.74	7.14		
	15.00	20.72	5.56	23.90	5.40	27.09	6.18	31.87	6.51	32.83	6.70	33.47	6.83	34.74	7.22		
	20.00	21.33	5.50	24.61	5.34	27.89	6.11	32.81	6.44	33.79	6.63	34.45	6.76	35.76	7.14		
	25.00	20.72	5.62	23.90	5.46	27.09	6.25	31.87	6.58	32.83	6.78	33.47	6.91	34.74	7.30		
	30.00	20.92	5.81	24.14	5.64	27.36	6.45	32.19	6.52	33.15	6.72	33.79	6.85	35.08	7.24		
	35.00	20.31	6.11	23.44	5.93	26.56	6.79	31.25	6.86	32.19	7.07	32.81	7.21	34.06	7.62		
	39.00	19.50	6.30	22.50	6.35	25.50	7.27	30.00	7.21	30.90	7.42	31.50	7.57	32.70	8.00		
	41.00	19.09	6.13	22.03	6.53	24.97	7.47	29.37	7.34	30.25	7.56	30.84	7.71	32.02	8.15		
	43.00	18.69	6.19	21.56	6.82	24.44	7.81	28.75	7.48	29.61	7.71	30.19	7.86	31.34	8.30		
46.00	18.08	7.03	20.87	7.36	23.65	8.42	27.82	8.51	28.66	8.77	29.21	8.94	30.32	9.45			
50.00	14.69	7.08	16.95	7.42	19.21	8.49	22.60	8.85	23.28	9.12	23.73	9.30	24.64	9.83			
50%	-5.00	16.87	4.34	19.47	4.38	22.06	5.01	25.96	5.15	26.73	5.30	27.25	5.41	28.29	5.71		
	0.00	16.87	4.34	19.47	4.38	22.06	5.01	25.96	5.15	26.73	5.30	27.25	5.41	28.29	5.71		
	5.00	16.87	4.34	19.47	4.38	22.06	5.01	25.96	5.15	26.73	5.30	27.25	5.41	28.29	5.71		
	10.00	16.71	4.34	19.28	4.38	21.85	5.01	25.70	5.15	26.48	5.30	26.99	5.41	28.02	5.71		
	15.00	16.71	4.39	19.28	4.43	21.85	5.07	25.70	5.21	26.48	5.36	26.99	5.47	28.02	5.78		
	20.00	17.20	4.34	19.85	4.38	22.49	5.01	26.46	5.15	27.25	5.30	27.78	5.41	28.84	5.71		
	25.00	16.71	4.44	19.28	4.48	21.85	5.12	25.70	5.26	26.48	5.42	26.99	5.53	28.02	5.84		
	30.00	16.87	4.58	19.47	4.62	22.06	5.29	25.96	5.43	26.73	5.60	27.25	5.71	28.29	6.03		
	35.00	16.38	4.83	18.90	4.87	21.42	5.57	25.20	5.72	25.96	5.89	26.46	6.01	27.47	6.35		
	39.00	15.72	4.97	18.14	5.21	20.56	5.96	24.19	6.01	24.92	6.19	25.40	6.31	26.37	6.67		
	41.00	15.40	5.02	17.77	5.35	20.13	6.13	23.69	6.12	24.40	6.30	24.87	6.43	25.82	6.79		
	43.00	15.07	5.07	17.39	5.60	19.71	6.41	23.18	6.23	23.88	6.42	24.34	6.55	25.27	6.92		
46.00	14.32	5.55	16.52	5.74	18.72	6.57	22.02	6.74	22.69	6.94	23.13	7.08	24.01	7.48			
50.00	13.86	5.79	16.00	5.79	18.13	6.62	21.33	7.01	21.97	7.22	22.40	7.36	23.25	7.78			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT020173HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	40.12	10.40	46.29	11.51	52.46	13.17	61.72	13.86	63.57	14.28	64.80	14.55	67.27	15.39		
	0.00	40.12	10.40	46.29	11.51	52.46	13.17	61.72	13.86	63.57	14.28	64.80	14.55	67.27	15.39		
	5.00	40.12	10.40	46.29	11.51	52.46	13.17	61.72	13.86	63.57	14.28	64.80	14.55	67.27	15.39		
	10.00	39.73	10.40	45.84	11.51	51.95	13.17	61.12	13.86	62.95	14.28	64.17	14.55	66.62	15.39		
	15.00	39.73	10.51	45.84	11.63	51.95	13.32	61.12	14.02	62.95	14.44	64.17	14.72	66.62	15.56		
	20.00	40.90	10.40	47.19	11.51	53.48	4.43	62.92	4.43	64.80	4.43	66.06	4.43	68.58	15.39		
	25.00	39.73	10.63	45.84	11.76	51.95	13.46	61.12	14.17	62.95	14.59	64.17	14.88	66.62	15.73		
	30.00	40.12	10.97	46.29	12.14	52.46	13.90	61.72	14.63	63.57	15.07	64.80	15.36	67.27	16.24		
	35.00	38.95	11.55	44.94	12.78	50.93	14.63	59.92	15.40	61.72	15.86	62.92	16.17	65.31	17.10		
	39.00	37.39	11.90	43.14	13.68	48.89	15.66	57.52	16.17	59.25	16.66	60.40	16.98	62.70	17.95		
	41.00	36.61	12.13	42.24	14.20	47.88	16.25	56.32	16.64	58.01	17.14	59.14	17.47	61.39	18.47		
	43.00	35.83	12.25	41.34	14.85	46.86	16.99	55.13	16.95	56.78	17.46	57.88	17.80	60.09	18.82		
46.00	31.16	13.41	35.95	16.01	40.75	18.32	47.94	19.29	49.37	19.86	50.33	20.25	52.25	21.41			
50.00	25.32	14.00	29.21	16.14	33.11	18.47	38.95	20.06	40.12	20.67	40.90	21.07	42.45	22.27			
120%	-5.00	39.37	10.40	45.42	11.51	51.48	13.17	60.56	13.86	62.38	14.28	63.59	14.55	66.01	15.39		
	0.00	39.37	10.40	45.42	11.51	51.48	13.17	60.56	13.86	62.38	14.28	63.59	14.55	66.01	15.39		
	5.00	39.37	10.40	45.42	11.51	51.48	13.17	60.56	13.86	62.38	14.28	63.59	14.55	66.01	15.39		
	10.00	38.98	10.40	44.98	11.51	50.98	13.17	59.98	13.86	61.78	14.28	62.97	14.55	65.37	15.39		
	15.00	38.98	10.51	44.98	11.63	50.98	13.32	59.98	14.02	61.78	14.44	62.97	14.72	65.37	15.56		
	20.00	40.13	10.40	46.31	11.51	52.48	13.17	61.74	13.86	63.59	14.28	64.83	14.55	67.30	15.39		
	25.00	38.98	10.63	44.98	11.76	50.98	13.46	59.98	14.17	61.78	14.59	62.97	14.88	65.37	15.73		
	30.00	39.37	10.97	45.42	12.14	51.48	13.90	60.56	14.63	62.38	15.07	63.59	15.36	66.01	16.24		
	35.00	38.22	11.55	44.10	12.78	49.98	14.63	58.80	15.40	60.56	15.86	61.74	16.17	64.09	17.10		
	39.00	36.69	11.84	42.34	13.61	47.98	15.58	56.45	16.09	58.14	4.02	59.27	6.84	61.53	17.86		
	41.00	35.93	11.96	41.45	13.99	46.98	16.02	55.27	16.40	56.93	16.89	58.04	17.22	60.25	18.21		
	43.00	35.16	12.07	40.57	14.63	45.98	16.75	54.10	16.71	55.72	17.21	56.80	17.54	58.96	18.55		
46.00	30.58	13.22	35.28	15.78	39.98	18.06	47.04	19.01	48.45	19.58	49.39	19.96	51.27	21.10			
50.00	24.84	13.80	28.67	15.90	32.49	18.20	38.22	19.77	39.37	20.37	40.13	20.76	41.66	21.95			
110%	-5.00	38.62	10.35	44.56	11.45	50.50	13.10	59.41	13.79	61.19	14.21	62.38	14.48	64.76	15.31		
	0.00	38.62	10.35	44.56	11.45	50.50	13.10	59.41	13.79	61.19	14.21	62.38	14.48	64.76	15.31		
	5.00	38.62	10.35	44.56	11.45	50.50	13.10	59.41	13.79	61.19	14.21	62.38	14.48	64.76	15.31		
	10.00	38.24	10.35	44.13	11.45	50.01	13.10	58.83	13.79	60.60	14.21	61.78	14.48	64.13	15.31		
	15.00	38.24	10.46	44.13	11.58	50.01	13.25	58.83	13.95	60.60	14.37	61.78	14.64	64.13	15.48		
	20.00	39.37	10.35	45.42	11.45	51.48	13.10	60.56	13.79	62.38	14.21	63.59	14.48	66.01	15.31		
	25.00	38.24	10.58	44.13	11.70	50.01	13.40	58.83	14.10	60.60	14.52	61.78	14.81	64.13	15.65		
	30.00	38.62	10.92	44.56	12.08	50.50	13.83	59.41	14.56	61.19	15.00	62.38	15.29	64.76	16.16		
	35.00	37.49	11.49	43.26	12.72	49.03	14.56	57.68	15.33	59.41	15.79	60.56	16.09	62.87	17.01		
	39.00	35.99	11.84	41.53	13.61	47.07	15.58	55.37	16.09	57.03	16.58	58.14	16.90	60.36	17.86		
	41.00	35.24	11.95	40.66	13.99	46.09	16.02	54.22	16.40	55.85	16.89	56.93	17.22	59.10	18.20		
	43.00	34.49	12.07	39.80	14.63	45.11	16.74	53.07	16.71	54.66	17.21	55.72	17.54	57.84	18.54		
46.00	29.99	13.22	34.61	15.77	39.22	18.05	46.14	19.00	47.53	19.58	48.45	19.96	50.30	21.10			
50.00	24.37	13.79	28.12	15.90	31.87	18.20	37.49	19.77	38.62	20.36	39.37	20.76	40.87	21.95			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT020173HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	37.49	10.19	43.26	11.28	49.03	12.91	57.68	13.59	59.41	14.00	60.56	14.27	62.87	15.08		
	0.00	37.49	10.19	43.26	11.28	49.03	12.91	57.68	13.59	59.41	14.00	60.56	14.27	62.87	15.08		
	5.00	37.49	10.19	43.26	11.28	49.03	12.91	57.68	13.59	59.41	14.00	60.56	14.27	62.87	15.08		
	10.00	37.13	10.19	42.84	11.28	48.55	12.91	57.12	13.59	58.83	14.00	59.98	14.27	62.26	15.08		
	15.00	37.13	10.31	42.84	11.41	48.55	13.05	57.12	13.74	58.83	14.15	59.98	14.43	62.26	15.25		
	20.00	38.22	10.19	44.10	11.28	49.98	12.91	58.80	13.59	60.56	14.00	61.74	14.27	64.09	15.08		
	25.00	37.13	10.42	42.84	11.53	48.55	13.20	57.12	13.89	58.83	14.31	59.98	14.59	62.26	15.42		
	30.00	37.49	10.76	43.26	11.91	49.03	13.63	57.68	14.35	59.41	14.78	60.56	15.06	62.87	15.92		
	35.00	36.40	11.33	42.00	12.53	47.60	14.35	56.00	15.10	57.68	15.55	58.80	15.86	61.04	16.76		
	39.00	34.94	11.66	40.32	13.41	45.70	15.35	53.76	15.86	55.37	16.33	56.45	16.65	58.60	17.60		
	41.00	34.22	11.78	39.48	13.79	44.74	15.78	52.64	16.16	54.22	16.64	55.27	16.96	57.38	17.93		
	43.00	33.49	11.89	38.64	14.41	43.79	16.50	51.52	16.46	53.07	16.95	54.10	17.28	56.16	18.27		
46.00	29.12	13.02	33.60	15.54	38.08	17.79	44.80	18.72	46.14	19.29	47.04	19.66	48.83	20.78			
50.00	23.66	13.59	27.30	15.67	30.94	17.93	36.40	19.48	37.49	20.06	38.22	20.45	39.68	21.62			
90%	-5.00	33.74	8.46	38.93	9.36	44.13	10.72	51.91	11.28	53.47	11.62	54.51	11.84	56.58	12.52		
	0.00	33.74	8.46	38.93	9.36	44.13	10.72	51.91	11.28	53.47	11.62	54.51	11.84	56.58	12.52		
	5.00	33.74	8.46	38.93	9.36	44.13	10.72	51.91	11.28	53.47	11.62	54.51	11.84	56.58	12.52		
	10.00	33.42	8.46	38.56	9.36	43.70	10.72	51.41	11.28	52.95	11.62	53.98	11.84	56.03	12.52		
	15.00	33.42	8.55	38.56	9.47	43.70	10.83	51.41	11.41	52.95	11.75	53.98	11.98	56.03	12.66		
	20.00	34.40	8.46	39.69	9.36	44.98	10.72	52.92	11.28	54.51	11.62	55.57	11.84	57.68	12.52		
	25.00	33.42	8.65	38.56	9.57	43.70	10.95	51.41	11.53	52.95	11.88	53.98	12.11	56.03	12.80		
	30.00	33.74	8.93	38.93	9.88	44.13	11.31	51.91	11.91	53.47	12.26	54.51	12.50	56.58	13.22		
	35.00	32.76	9.40	37.80	10.40	42.84	11.91	50.40	12.53	51.91	12.91	52.92	13.16	54.94	13.91		
	39.00	31.45	9.68	36.29	11.13	41.13	12.74	48.38	13.16	49.84	13.55	50.80	13.82	52.74	14.61		
	41.00	30.79	9.78	35.53	11.44	40.27	13.10	47.38	13.41	48.80	13.81	49.74	14.08	51.64	14.89		
	43.00	30.14	9.87	34.78	11.96	39.41	13.69	46.37	13.66	47.76	14.07	48.69	14.34	50.54	15.16		
46.00	28.03	10.42	32.34	12.43	36.65	14.23	43.12	14.98	44.42	15.43	45.28	15.73	47.00	16.63			
50.00	26.52	11.28	30.60	13.00	34.68	14.88	40.80	16.17	42.03	16.65	42.84	16.98	44.48	17.95			
80%	-5.00	29.99	7.24	34.61	8.01	39.22	9.17	46.14	9.65	47.53	9.94	48.45	10.13	50.30	10.71		
	0.00	29.99	7.24	34.61	8.01	39.22	9.17	46.14	9.65	47.53	9.94	48.45	10.13	50.30	10.71		
	5.00	29.99	7.24	34.61	8.01	39.22	9.17	46.14	9.65	47.53	9.94	48.45	10.13	50.30	10.71		
	10.00	29.70	7.24	34.27	8.01	38.84	9.17	45.70	9.65	47.07	9.94	47.98	10.13	49.81	10.71		
	15.00	29.70	7.32	34.27	8.10	38.84	9.27	45.70	9.76	47.07	10.05	47.98	10.24	49.81	10.83		
	20.00	30.58	7.24	35.28	8.01	39.98	9.17	47.04	9.65	48.45	9.94	49.39	10.13	51.27	10.71		
	25.00	29.70	7.40	34.27	8.19	38.84	9.37	45.70	9.86	47.07	10.16	47.98	10.36	49.81	10.95		
	30.00	30.74	7.64	35.47	8.45	40.20	9.68	47.30	10.18	48.72	10.49	49.66	10.69	51.55	11.31		
	35.00	29.85	8.04	34.44	8.90	39.03	10.18	45.92	10.72	47.30	11.04	48.22	11.26	50.05	11.90		
	39.00	28.65	8.28	33.06	9.52	37.47	10.90	44.08	11.26	45.41	11.59	46.29	11.82	48.05	12.50		
	41.00	28.06	8.36	32.37	9.79	36.69	11.20	43.16	11.47	44.46	11.82	45.32	12.05	47.05	12.73		
	43.00	27.46	8.44	31.68	10.23	35.91	11.71	42.25	11.69	43.51	12.04	44.36	12.27	46.05	12.97		
46.00	25.92	9.25	29.90	11.03	33.89	12.63	39.87	13.29	41.07	13.69	41.87	13.96	43.46	14.76			
50.00	22.00	9.65	25.39	11.12	28.77	12.73	33.85	13.83	34.87	14.24	35.54	14.52	36.90	15.35			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT020173HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	26.99	6.12	31.15	6.77	35.30	7.75	41.53	8.15	42.78	8.40	43.61	8.56	45.27	9.05		
	0.00	26.99	6.12	31.15	6.77	35.30	7.75	41.53	8.15	42.78	8.40	43.61	8.56	45.27	9.05		
	5.00	26.99	6.12	31.15	6.77	35.30	7.75	41.53	8.15	42.78	8.40	43.61	8.56	45.27	9.05		
	10.00	26.73	6.12	30.84	6.77	34.96	7.75	41.13	8.15	42.36	8.40	43.18	8.56	44.83	9.05		
	15.00	26.73	6.18	30.84	6.84	34.96	7.83	41.13	8.24	42.36	8.49	43.18	8.66	44.83	9.15		
	20.00	27.52	6.12	31.75	6.77	35.99	7.75	42.34	8.15	43.61	8.40	44.45	8.56	46.15	9.05		
	25.00	26.73	6.25	30.84	6.92	34.96	7.92	41.13	8.34	42.36	8.59	43.18	8.75	44.83	9.25		
	30.00	26.99	6.46	31.15	7.14	35.30	8.18	41.53	8.61	42.78	8.87	43.61	9.04	45.27	9.55		
	35.00	26.21	6.80	30.24	7.52	34.27	8.61	40.32	9.06	41.53	9.33	42.34	9.51	43.95	10.06		
	39.00	25.16	7.00	29.03	8.05	32.90	9.21	38.71	9.51	39.87	9.80	40.64	9.99	42.19	10.56		
	41.00	24.64	7.07	28.43	8.27	32.22	9.47	37.90	9.69	39.04	9.99	39.80	10.18	41.31	10.76		
	43.00	24.11	7.13	27.82	8.65	31.53	9.90	37.09	9.88	38.21	10.17	38.95	10.37	40.43	10.96		
	46.00	22.71	7.55	26.21	9.01	29.70	10.67	34.94	10.67	35.99	10.99	36.69	11.21	38.09	11.85		
50.00	18.45	7.75	21.29	8.93	24.13	10.76	28.39	11.10	29.24	11.44	29.81	11.66	30.95	12.32			
60%	-5.00	23.25	5.10	26.82	5.64	30.40	6.46	35.76	6.66	36.83	6.86	37.55	6.99	38.98	7.39		
	0.00	23.25	5.10	26.82	5.64	30.40	6.46	35.76	6.66	36.83	6.86	37.55	6.99	38.98	7.39		
	5.00	23.25	5.10	26.82	5.64	30.40	6.46	35.76	6.66	36.83	6.86	37.55	6.99	38.98	7.39		
	10.00	23.02	5.10	26.56	5.64	30.10	6.46	35.41	6.66	36.48	6.86	37.19	6.99	38.60	7.39		
	15.00	23.02	5.15	26.56	5.70	30.10	6.53	35.41	6.73	36.48	6.94	37.19	7.07	38.60	7.47		
	20.00	23.70	5.10	27.34	5.64	30.99	6.46	36.46	6.66	37.55	6.86	38.28	6.99	39.74	7.39		
	25.00	23.02	5.21	26.56	5.77	30.10	6.60	35.41	6.81	36.48	7.01	37.19	7.15	38.60	7.56		
	30.00	23.25	5.16	26.82	5.72	30.40	6.54	35.76	7.03	36.83	7.24	37.55	7.38	38.98	7.80		
	35.00	22.57	5.44	26.04	6.02	29.51	6.89	34.72	7.40	35.76	7.62	36.46	7.77	37.84	8.21		
	39.00	21.67	5.60	25.00	6.44	28.33	7.37	33.33	7.77	34.33	8.00	35.00	8.16	36.33	8.62		
	41.00	21.21	5.65	24.48	6.62	27.74	7.57	32.64	7.92	33.62	8.15	34.27	8.31	35.57	8.79		
	43.00	20.76	5.71	23.96	6.92	27.15	7.92	31.94	8.06	32.90	8.31	33.54	8.47	34.82	8.95		
	46.00	20.09	6.25	23.18	7.46	26.28	8.54	30.91	9.17	31.84	9.45	32.46	9.63	33.69	10.18		
50.00	16.33	6.52	18.84	7.52	21.35	8.61	25.12	9.54	25.87	9.83	26.37	10.02	27.38	10.59			
50%	-5.00	18.75	4.08	21.63	4.51	24.51	5.16	28.84	5.44	29.71	5.60	30.28	5.71	31.44	6.03		
	0.00	18.75	4.08	21.63	4.51	24.51	5.16	28.84	5.44	29.71	5.60	30.28	5.71	31.44	6.03		
	5.00	18.75	4.08	21.63	4.51	24.51	5.16	28.84	5.44	29.71	5.60	30.28	5.71	31.44	6.03		
	10.00	18.56	4.08	21.42	4.51	24.28	5.16	28.56	5.44	29.42	5.60	29.99	5.71	31.13	6.03		
	15.00	18.56	4.12	21.42	4.56	24.28	5.22	28.56	5.50	29.42	5.66	29.99	5.77	31.13	6.10		
	20.00	19.11	4.08	22.05	4.51	24.99	5.16	29.40	5.44	30.28	5.60	30.87	5.71	32.05	6.03		
	25.00	18.56	4.17	21.42	4.61	24.28	5.28	28.56	5.56	29.42	5.72	29.99	5.83	31.13	6.17		
	30.00	18.75	4.30	21.63	4.76	24.51	5.45	28.84	5.74	29.71	5.91	30.28	6.02	31.44	6.37		
	35.00	18.20	4.53	21.00	5.01	23.80	5.74	28.00	6.04	28.84	6.22	29.40	6.34	30.52	6.70		
	39.00	17.47	4.67	20.16	5.36	22.85	6.14	26.88	6.34	27.69	6.53	28.22	6.66	29.30	7.04		
	41.00	17.11	4.71	19.74	5.51	22.37	6.31	26.32	6.46	27.11	6.66	27.64	6.79	28.69	7.17		
	43.00	16.74	4.76	19.32	5.77	21.90	6.60	25.76	6.58	26.53	6.78	27.05	6.91	28.08	7.31		
	46.00	15.91	4.95	18.35	5.91	20.80	6.76	24.47	7.12	25.21	7.33	25.70	7.47	26.67	7.90		
50.00	15.40	5.16	17.77	5.95	20.14	6.81	23.70	7.40	24.41	7.62	24.88	7.77	25.83	8.22			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT022173HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	44.06	11.36	50.83	12.57	57.61	14.39	67.78	15.15	69.81	15.60	71.17	15.90	73.88	16.81
	0.00	44.06	11.36	50.83	12.57	57.61	14.39	67.78	15.15	69.81	15.60	71.17	15.90	73.88	16.81
	5.00	44.06	11.36	50.83	12.57	57.61	14.39	67.78	15.15	69.81	15.60	71.17	15.90	73.88	16.81
	10.00	43.63	11.36	50.34	12.57	57.05	14.39	67.12	15.15	69.13	15.60	70.48	15.90	73.16	16.81
	15.00	43.63	11.49	50.34	12.71	57.05	14.55	67.12	15.32	69.13	15.77	70.48	16.08	73.16	17.00
	20.00	44.91	11.36	51.82	12.57	58.73	4.43	69.10	4.43	71.17	4.43	72.55	4.43	75.31	16.81
	25.00	43.63	11.61	50.34	12.85	57.05	14.71	67.12	15.48	69.13	15.95	70.48	16.26	73.16	17.19
	30.00	44.06	11.99	50.83	13.27	57.61	15.19	67.78	15.99	69.81	16.47	71.17	16.79	73.88	17.75
	35.00	42.77	12.62	49.35	13.97	55.93	15.99	65.81	16.83	67.78	17.33	69.10	17.67	71.73	18.68
	39.00	41.06	13.00	47.38	14.95	53.70	17.11	63.17	17.67	65.07	18.20	66.33	18.56	68.86	19.62
	41.00	40.21	13.26	46.39	15.52	52.58	17.76	61.86	18.18	63.71	18.73	64.95	19.09	67.42	20.18
	43.00	39.35	13.38	45.41	16.22	51.46	18.57	60.54	18.52	62.36	19.08	63.57	19.45	65.99	20.56
46.00	34.22	14.66	39.48	17.49	44.75	20.02	52.64	21.07	54.22	21.71	55.28	22.13	57.38	23.39	
50.00	27.80	15.30	32.08	17.63	36.36	20.18	42.77	21.92	44.06	22.58	44.91	23.02	46.62	24.34	
120%	-5.00	43.23	11.36	49.88	12.57	56.54	14.39	66.51	15.15	68.51	15.60	69.84	15.90	72.50	16.81
	0.00	43.23	11.36	49.88	12.57	56.54	14.39	66.51	15.15	68.51	15.60	69.84	15.90	72.50	16.81
	5.00	43.23	11.36	49.88	12.57	56.54	14.39	66.51	15.15	68.51	15.60	69.84	15.90	72.50	16.81
	10.00	42.81	11.36	49.40	12.57	55.99	14.39	65.87	15.15	67.84	15.60	69.16	15.90	71.79	16.81
	15.00	42.81	11.49	49.40	12.71	55.99	14.55	65.87	15.32	67.84	15.77	69.16	16.08	71.79	17.00
	20.00	44.07	11.36	50.85	12.57	57.63	14.39	67.80	15.15	69.84	15.60	71.19	15.90	73.91	16.81
	25.00	42.81	11.61	49.40	12.85	55.99	14.71	65.87	15.48	67.84	15.95	69.16	16.26	71.79	17.19
	30.00	43.23	11.99	49.88	13.27	56.54	15.19	66.51	15.99	68.51	16.47	69.84	16.79	72.50	17.75
	35.00	41.97	12.62	48.43	13.97	54.89	15.99	64.58	16.83	66.51	17.33	67.80	17.67	70.39	18.68
	39.00	40.29	12.94	46.49	14.87	52.69	17.03	61.99	17.59	63.85	4.02	65.09	6.84	67.57	19.52
	41.00	39.46	13.06	45.53	15.29	51.60	17.50	60.70	17.92	62.52	18.46	63.74	18.82	66.16	19.89
	43.00	38.62	13.19	44.56	15.99	50.50	18.30	59.41	18.26	61.19	18.80	62.38	19.17	64.76	20.26
46.00	33.58	14.45	38.75	17.24	43.91	19.73	51.66	20.77	53.21	21.39	54.24	21.81	56.31	23.05	
50.00	27.28	15.07	31.48	17.38	35.68	19.89	41.97	21.61	43.23	22.25	44.07	22.69	45.75	23.98	
110%	-5.00	42.41	11.30	48.93	12.51	55.46	14.32	65.25	15.07	67.20	15.52	68.51	15.83	71.12	16.73
	0.00	42.41	11.30	48.93	12.51	55.46	14.32	65.25	15.07	67.20	15.52	68.51	15.83	71.12	16.73
	5.00	42.41	11.30	48.93	12.51	55.46	14.32	65.25	15.07	67.20	15.52	68.51	15.83	71.12	16.73
	10.00	42.00	11.30	48.46	12.51	54.92	14.32	64.61	15.07	66.55	15.52	67.84	15.83	70.43	16.73
	15.00	42.00	11.43	48.46	12.65	54.92	14.48	64.61	15.24	66.55	15.70	67.84	16.00	70.43	16.92
	20.00	43.23	11.30	49.88	12.51	56.54	14.32	66.51	15.07	68.51	15.52	69.84	15.83	72.50	16.73
	25.00	42.00	11.56	48.46	12.79	54.92	14.64	64.61	15.41	66.55	15.87	67.84	16.18	70.43	17.10
	30.00	42.41	11.93	48.93	13.21	55.46	15.11	65.25	15.91	67.20	16.39	68.51	16.71	71.12	17.66
	35.00	41.17	12.56	47.51	13.90	53.84	15.91	63.35	16.75	65.25	17.25	66.51	17.58	69.05	18.59
	39.00	39.53	12.94	45.61	14.87	51.69	17.02	60.81	17.58	62.64	18.11	63.85	18.46	66.28	19.52
	41.00	38.70	13.06	44.66	15.29	50.61	17.50	59.54	17.92	61.33	18.46	62.52	18.82	64.90	19.89
	43.00	37.88	13.19	43.71	15.99	49.54	18.30	58.28	18.25	60.03	18.80	61.19	19.17	63.52	20.26
46.00	32.94	14.44	38.01	17.24	43.07	19.73	50.68	20.77	52.20	21.39	53.21	21.81	55.24	23.05	
50.00	26.76	15.07	30.88	17.38	35.00	19.89	41.17	21.60	42.41	22.25	43.23	22.68	44.88	23.98	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT022173HQSS										Cooling Capacity			
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	41.17	11.14	47.51	12.33	53.84	14.11	63.35	14.85	65.25	15.30	66.51	15.59	69.05	16.48
	0.00	41.17	11.14	47.51	12.33	53.84	14.11	63.35	14.85	65.25	15.30	66.51	15.59	69.05	16.48
	5.00	41.17	11.14	47.51	12.33	53.84	14.11	63.35	14.85	65.25	15.30	66.51	15.59	69.05	16.48
	10.00	40.77	11.14	47.05	12.33	53.32	14.11	62.73	14.85	64.61	15.30	65.87	15.59	68.38	16.48
	15.00	40.77	11.26	47.05	12.46	53.32	14.26	62.73	15.02	64.61	15.47	65.87	15.77	68.38	16.67
	20.00	41.97	11.14	48.43	12.33	54.89	14.11	64.58	14.85	66.51	15.30	67.80	15.59	70.39	16.48
	25.00	40.77	11.39	47.05	12.60	53.32	14.42	62.73	15.18	64.61	15.64	65.87	15.94	68.38	16.85
	30.00	41.17	11.76	47.51	13.01	53.84	14.89	63.35	15.68	65.25	16.15	66.51	16.46	69.05	17.40
	35.00	39.98	12.38	46.13	13.70	52.28	15.68	61.50	16.50	63.35	17.00	64.58	17.33	67.04	18.32
	39.00	38.38	12.75	44.28	14.65	50.18	16.77	59.04	17.33	60.81	17.84	61.99	18.19	64.35	19.23
	41.00	37.58	12.87	43.36	15.06	49.14	17.24	57.81	17.66	59.54	18.18	60.70	18.54	63.01	19.60
	43.00	36.78	12.99	42.44	15.75	48.09	18.03	56.58	17.99	58.28	18.52	59.41	18.88	61.67	19.96
46.00	31.98	14.23	36.90	16.98	41.82	19.44	49.20	20.46	50.68	21.07	51.66	21.48	53.63	22.71	
50.00	25.98	14.85	29.98	17.12	33.98	19.59	39.98	21.29	41.17	21.92	41.97	22.35	43.57	23.63	
90%	-5.00	37.06	9.24	42.76	10.23	48.46	11.71	57.01	12.33	58.72	12.70	59.86	12.94	62.14	13.68
	0.00	37.06	9.24	42.76	10.23	48.46	11.71	57.01	12.33	58.72	12.70	59.86	12.94	62.14	13.68
	5.00	37.06	9.24	42.76	10.23	48.46	11.71	57.01	12.33	58.72	12.70	59.86	12.94	62.14	13.68
	10.00	36.70	9.24	42.34	10.23	47.99	11.71	56.46	12.33	58.15	12.70	59.28	12.94	61.54	13.68
	15.00	36.70	9.35	42.34	10.34	47.99	11.84	56.46	12.46	58.15	12.84	59.28	13.09	61.54	13.83
	20.00	37.78	9.24	43.59	10.23	49.40	11.71	58.12	12.33	59.86	12.70	61.02	12.94	63.35	13.68
	25.00	36.70	9.45	42.34	10.46	47.99	11.97	56.46	12.60	58.15	12.98	59.28	13.23	61.54	13.99
	30.00	37.06	9.76	42.76	10.80	48.46	12.36	57.01	13.01	58.72	13.40	59.86	13.66	62.14	14.44
	35.00	35.98	10.27	41.51	11.37	47.05	13.01	55.35	13.70	57.01	14.11	58.12	14.38	60.33	15.20
	39.00	34.54	10.58	39.85	12.16	45.17	13.92	53.14	14.38	54.73	14.81	55.79	15.10	57.92	15.96
	41.00	33.82	10.68	39.02	12.50	44.22	14.31	52.03	14.65	53.59	15.09	54.63	15.39	56.71	16.27
	43.00	33.10	10.78	38.19	13.07	43.28	14.96	50.92	14.93	52.45	15.38	53.47	15.67	55.50	16.57
46.00	30.78	11.39	35.52	13.59	40.25	15.55	47.36	16.37	48.78	16.86	49.73	17.19	51.62	18.17	
50.00	29.13	12.33	33.61	14.21	38.09	16.26	44.81	17.67	46.16	18.20	47.05	18.55	48.84	19.61	
80%	-5.00	32.94	7.91	38.01	8.75	43.07	10.02	50.68	10.54	52.20	10.86	53.21	11.07	55.24	11.70
	0.00	32.94	7.91	38.01	8.75	43.07	10.02	50.68	10.54	52.20	10.86	53.21	11.07	55.24	11.70
	5.00	32.94	7.91	38.01	8.75	43.07	10.02	50.68	10.54	52.20	10.86	53.21	11.07	55.24	11.70
	10.00	32.62	7.91	37.64	8.75	42.66	10.02	50.18	10.54	51.69	10.86	52.69	11.07	54.70	11.70
	15.00	32.62	8.00	37.64	8.85	42.66	10.13	50.18	10.66	51.69	10.98	52.69	11.19	54.70	11.83
	20.00	33.58	7.91	38.75	8.75	43.91	10.02	51.66	10.54	53.21	10.86	54.24	11.07	56.31	11.70
	25.00	32.62	8.08	37.64	8.95	42.66	10.24	50.18	10.78	51.69	11.10	52.69	11.32	54.70	11.96
	30.00	33.76	8.35	38.96	9.24	44.15	10.57	51.94	11.13	53.50	11.46	54.54	11.69	56.62	12.35
	35.00	32.78	8.79	37.82	9.72	42.87	11.13	50.43	11.72	51.94	12.07	52.95	12.30	54.97	13.00
	39.00	31.47	9.05	36.31	10.40	41.15	11.91	48.41	12.30	49.87	12.67	50.83	12.92	52.77	13.65
	41.00	30.81	9.14	35.55	10.70	40.29	12.24	47.40	12.54	48.83	12.91	49.77	13.16	51.67	13.91
	43.00	30.16	9.23	34.80	11.18	39.44	12.80	46.40	12.77	47.79	13.15	48.72	13.41	50.57	14.17
46.00	28.46	10.10	32.84	12.06	37.22	13.80	43.79	14.53	45.10	14.96	45.98	15.25	47.73	16.12	
50.00	24.16	10.54	27.88	12.15	31.60	13.91	37.18	15.11	38.29	15.57	39.04	15.87	40.52	16.77	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT022173HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	29.65	6.68	34.21	7.40	38.77	8.46	45.61	8.91	46.98	9.18	47.89	9.36	49.71	9.89
	0.00	29.65	6.68	34.21	7.40	38.77	8.46	45.61	8.91	46.98	9.18	47.89	9.36	49.71	9.89
	5.00	29.65	6.68	34.21	7.40	38.77	8.46	45.61	8.91	46.98	9.18	47.89	9.36	49.71	9.89
	10.00	29.36	6.68	33.87	7.40	38.39	8.46	45.17	8.91	46.52	9.18	47.42	9.36	49.23	9.89
	15.00	29.36	6.76	33.87	7.48	38.39	8.56	45.17	9.01	46.52	9.28	47.42	9.46	49.23	10.00
	20.00	30.22	6.68	34.87	7.40	39.52	8.46	46.49	8.91	47.89	9.18	48.82	9.36	50.68	9.89
	25.00	29.36	6.83	33.87	7.56	38.39	8.65	45.17	9.11	46.52	9.38	47.42	9.56	49.23	10.11
	30.00	29.65	7.05	34.21	7.81	38.77	8.93	45.61	9.41	46.98	9.69	47.89	9.88	49.71	10.44
	35.00	28.78	7.43	33.21	8.22	37.64	9.41	44.28	9.90	45.61	10.20	46.49	10.40	48.27	10.99
	39.00	27.63	7.65	31.88	8.79	36.13	10.06	42.51	10.40	43.78	10.71	44.63	10.91	46.33	11.54
	41.00	27.06	7.72	31.22	9.04	35.38	10.35	41.62	10.59	42.87	10.91	43.70	11.12	45.37	11.76
	43.00	26.48	7.80	30.55	9.45	34.63	10.82	40.74	10.79	41.96	11.11	42.77	11.33	44.40	11.98
46.00	24.94	8.11	28.78	9.68	32.62	11.08	38.38	11.66	39.53	12.01	40.29	12.25	41.83	12.95	
50.00	20.27	8.46	23.39	9.76	26.50	11.17	31.18	12.13	32.12	12.50	32.74	12.74	33.99	13.47	
60%	-5.00	25.53	5.46	29.46	6.04	33.38	6.91	39.27	7.28	40.45	7.49	41.24	7.64	42.81	8.08
	0.00	25.53	5.46	29.46	6.04	33.38	6.91	39.27	7.28	40.45	7.49	41.24	7.64	42.81	8.08
	5.00	25.53	5.46	29.46	6.04	33.38	6.91	39.27	7.28	40.45	7.49	41.24	7.64	42.81	8.08
	10.00	25.28	5.46	29.17	6.04	33.06	6.91	38.89	7.28	40.06	7.49	40.84	7.64	42.39	8.08
	15.00	25.28	5.52	29.17	6.11	33.06	6.99	38.89	7.36	40.06	7.58	40.84	7.73	42.39	8.17
	20.00	26.02	5.46	30.03	6.04	34.03	6.91	40.04	7.28	41.24	7.49	42.04	7.64	43.64	8.08
	25.00	25.28	5.58	29.17	6.17	33.06	7.07	38.89	7.44	40.06	7.66	40.84	7.81	42.39	8.26
	30.00	25.53	5.76	29.46	6.38	33.38	7.30	39.27	7.68	40.45	7.91	41.24	8.06	42.81	8.53
	35.00	24.78	6.06	28.60	6.71	32.41	7.68	38.13	8.09	39.27	8.33	40.04	8.49	41.56	8.97
	39.00	23.79	6.25	27.45	7.18	31.11	8.22	36.60	8.49	37.70	8.74	38.44	8.91	39.90	9.42
	41.00	23.30	6.31	26.88	7.38	30.47	8.45	35.84	8.65	36.92	8.91	37.63	9.08	39.07	9.60
	43.00	22.80	6.37	26.31	7.72	29.82	8.83	35.08	8.81	36.13	9.08	36.83	9.25	38.24	9.78
46.00	22.07	6.97	25.46	8.32	28.86	9.52	33.95	10.03	34.97	10.33	35.65	10.53	37.00	11.13	
50.00	17.93	7.28	20.69	8.39	23.45	9.60	27.58	10.43	28.41	10.74	28.96	10.95	30.07	11.58	
50%	-5.00	20.59	4.46	23.75	4.93	26.92	5.64	31.67	5.94	32.62	6.12	33.26	6.24	34.52	6.59
	0.00	20.59	4.46	23.75	4.93	26.92	5.64	31.67	5.94	32.62	6.12	33.26	6.24	34.52	6.59
	5.00	20.59	4.46	23.75	4.93	26.92	5.64	31.67	5.94	32.62	6.12	33.26	6.24	34.52	6.59
	10.00	20.39	4.46	23.52	4.93	26.66	5.64	31.37	5.94	32.31	6.12	32.93	6.24	34.19	6.59
	15.00	20.39	4.50	23.52	4.98	26.66	5.71	31.37	6.01	32.31	6.19	32.93	6.31	34.19	6.67
	20.00	20.99	4.46	24.22	4.93	27.44	5.64	32.29	5.94	33.26	6.12	33.90	6.24	35.19	6.59
	25.00	20.39	4.55	23.52	5.04	26.66	5.77	31.37	6.07	32.31	6.25	32.93	6.38	34.19	6.74
	30.00	20.59	4.70	23.75	5.20	26.92	5.96	31.67	6.27	32.62	6.46	33.26	6.58	34.52	6.96
	35.00	19.99	4.95	23.06	5.48	26.14	6.27	30.75	6.60	31.67	6.80	32.29	6.93	33.52	7.33
	39.00	19.19	5.10	22.14	5.86	25.09	6.71	29.52	6.93	30.41	7.14	31.00	7.28	32.18	7.69
	41.00	18.79	5.15	21.68	6.03	24.57	6.90	28.91	7.06	29.77	7.27	30.35	7.42	31.51	7.84
	43.00	18.39	5.20	21.22	6.30	24.05	7.21	28.29	7.19	29.14	7.41	29.70	7.55	30.84	7.99
46.00	17.47	5.41	20.16	6.45	22.84	7.39	26.88	7.77	27.68	8.01	28.22	8.16	29.29	8.63	
50.00	16.92	5.64	19.52	6.51	22.12	7.45	26.03	8.09	26.81	8.33	27.33	8.49	28.37	8.98	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT024173HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	48.71	12.12	56.21	13.41	63.70	15.35	74.94	16.16	77.19	16.64	78.69	16.96	81.69	17.93
	0.00	48.71	12.12	56.21	13.41	63.70	15.35	74.94	16.16	77.19	16.64	78.69	16.96	81.69	17.93
	5.00	48.71	12.12	56.21	13.41	63.70	15.35	74.94	16.16	77.19	16.64	78.69	16.96	81.69	17.93
	10.00	48.24	12.12	55.66	13.41	63.08	15.35	74.22	16.16	76.44	16.64	77.93	16.96	80.89	17.93
	15.00	48.24	12.25	55.66	13.56	63.08	15.52	74.22	16.34	76.44	16.83	77.93	17.15	80.89	18.13
	20.00	49.66	12.12	57.30	13.41	64.94	4.43	76.40	4.43	78.69	4.43	80.22	4.43	83.27	17.93
	25.00	48.24	12.39	55.66	13.71	63.08	15.69	74.22	16.52	76.44	17.01	77.93	17.34	80.89	18.33
	30.00	48.71	12.79	56.21	14.16	63.70	16.20	74.94	17.05	77.19	17.57	78.69	17.91	81.69	18.93
	35.00	47.29	13.46	54.57	14.90	61.85	17.05	72.76	17.95	74.94	18.49	76.40	18.85	79.31	19.93
	39.00	45.40	13.87	52.39	15.94	59.37	18.25	69.85	18.85	71.95	19.42	73.34	19.79	76.14	20.92
	41.00	44.46	14.14	51.30	16.55	58.14	18.94	68.39	19.40	70.45	19.98	71.81	20.37	74.55	21.53
	43.00	43.51	14.28	50.20	17.30	56.90	19.80	66.94	19.76	68.95	20.35	70.29	20.75	72.96	21.93
46.00	37.84	15.64	43.66	18.66	49.48	21.35	58.21	22.48	59.95	23.15	61.12	23.60	63.45	24.95	
50.00	30.74	16.32	35.47	18.81	40.20	21.53	47.29	23.39	48.71	24.09	49.66	24.55	51.55	25.96	
120%	-5.00	47.80	12.12	55.16	13.41	62.51	15.35	73.54	16.16	75.75	16.64	77.22	16.96	80.16	17.93
	0.00	47.80	12.12	55.16	13.41	62.51	15.35	73.54	16.16	75.75	16.64	77.22	16.96	80.16	17.93
	5.00	47.80	12.12	55.16	13.41	62.51	15.35	73.54	16.16	75.75	16.64	77.22	16.96	80.16	17.93
	10.00	47.34	12.12	54.62	13.41	61.90	15.35	72.83	16.16	75.01	16.64	76.47	16.96	79.38	17.93
	15.00	47.34	12.25	54.62	13.56	61.90	15.52	72.83	16.34	75.01	16.83	76.47	17.15	79.38	18.13
	20.00	48.73	12.12	56.23	13.41	63.72	15.35	74.97	16.16	77.22	16.64	78.72	16.96	81.72	17.93
	25.00	47.34	12.39	54.62	13.71	61.90	15.69	72.83	16.52	75.01	17.01	76.47	17.34	79.38	18.33
	30.00	47.80	12.79	55.16	14.16	62.51	16.20	73.54	17.05	75.75	17.57	77.22	17.91	80.16	18.93
	35.00	46.41	13.46	53.55	14.90	60.69	17.05	71.40	17.95	73.54	18.49	74.97	18.85	77.83	19.93
	39.00	44.55	13.80	51.41	15.87	58.26	18.16	68.54	18.76	70.60	4.02	71.97	6.84	74.71	20.82
	41.00	43.63	13.94	50.34	16.31	57.05	18.67	67.12	19.12	69.13	19.69	70.47	20.07	73.16	21.22
	43.00	42.70	14.07	49.27	17.05	55.83	19.52	65.69	19.47	67.66	20.06	68.97	20.45	71.60	21.62
46.00	37.13	15.41	42.84	18.39	48.55	21.05	57.12	22.15	58.83	22.82	59.98	23.26	62.26	24.59	
50.00	30.17	16.08	34.81	18.54	39.45	21.22	46.41	23.05	47.80	23.74	48.73	24.20	50.59	25.58	
110%	-5.00	46.89	12.06	54.11	13.34	61.32	15.27	72.14	16.08	74.31	16.56	75.75	16.88	78.63	17.85
	0.00	46.89	12.06	54.11	13.34	61.32	15.27	72.14	16.08	74.31	16.56	75.75	16.88	78.63	17.85
	5.00	46.89	12.06	54.11	13.34	61.32	15.27	72.14	16.08	74.31	16.56	75.75	16.88	78.63	17.85
	10.00	46.44	12.06	53.58	13.34	60.72	15.27	71.44	16.08	73.58	16.56	75.01	16.88	77.87	17.85
	15.00	46.44	12.19	53.58	13.49	60.72	15.44	71.44	16.26	73.58	16.74	75.01	17.07	77.87	18.04
	20.00	47.80	12.06	55.16	13.34	62.51	15.27	73.54	16.08	75.75	16.56	77.22	16.88	80.16	17.85
	25.00	46.44	12.33	53.58	13.64	60.72	15.61	71.44	16.43	73.58	16.93	75.01	17.26	77.87	18.24
	30.00	46.89	12.73	54.11	14.09	61.32	16.12	72.14	16.97	74.31	17.48	75.75	17.82	78.63	18.84
	35.00	45.53	13.40	52.53	14.83	59.53	16.97	70.04	17.86	72.14	18.40	73.54	18.76	76.34	19.83
	39.00	43.70	13.80	50.43	15.87	57.15	18.16	67.24	18.76	69.26	19.32	70.60	19.70	73.29	20.82
	41.00	42.79	13.93	49.38	16.31	55.96	18.67	65.84	19.11	67.81	19.69	69.13	20.07	71.76	21.22
	43.00	41.88	14.07	48.33	17.05	54.77	19.52	64.44	19.47	66.37	20.06	67.66	20.45	70.24	21.61
46.00	36.42	15.41	42.02	18.39	47.63	21.04	56.03	22.15	57.71	22.82	58.83	23.26	61.07	24.59	
50.00	29.59	16.08	34.14	18.53	38.70	21.21	45.53	23.04	46.89	23.74	47.80	24.20	49.62	25.58	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT024173HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	45.53	11.88	52.53	13.15	59.53	15.05	70.04	15.84	72.14	16.32	73.54	16.63	76.34	17.58
	0.00	45.53	11.88	52.53	13.15	59.53	15.05	70.04	15.84	72.14	16.32	73.54	16.63	76.34	17.58
	5.00	45.53	11.88	52.53	13.15	59.53	15.05	70.04	15.84	72.14	16.32	73.54	16.63	76.34	17.58
	10.00	45.08	11.88	52.02	13.15	58.96	15.05	69.36	15.84	71.44	16.32	72.83	16.63	75.60	17.58
	15.00	45.08	12.01	52.02	13.29	58.96	15.22	69.36	16.02	71.44	16.50	72.83	16.82	75.60	17.78
	20.00	46.41	11.88	53.55	13.15	60.69	15.05	71.40	15.84	73.54	16.32	74.97	16.63	77.83	17.58
	25.00	45.08	12.14	52.02	13.44	58.96	15.38	69.36	16.19	71.44	16.68	72.83	17.00	75.60	17.97
	30.00	45.53	12.54	52.53	13.88	59.53	15.88	70.04	16.72	72.14	17.22	73.54	17.56	76.34	18.56
	35.00	44.20	13.20	51.00	14.61	57.80	16.72	68.00	17.60	70.04	18.13	71.40	18.48	74.12	19.54
	39.00	42.43	13.60	48.96	15.63	55.49	17.89	65.28	18.48	67.24	19.03	68.54	19.40	71.16	20.51
	41.00	41.55	13.73	47.94	16.07	54.33	18.39	63.92	18.83	65.84	19.40	67.12	19.77	69.67	20.90
	43.00	40.66	13.86	46.92	16.80	53.18	19.23	62.56	19.18	64.44	19.76	65.69	20.14	68.19	21.29
46.00	35.36	15.18	40.80	18.11	46.24	20.73	54.40	21.82	56.03	22.48	57.12	22.92	59.30	24.22	
50.00	28.73	15.84	33.15	18.26	37.57	20.90	44.20	22.70	45.53	23.39	46.41	23.84	48.18	25.20	
90%	-5.00	40.97	9.86	47.28	10.91	53.58	12.49	63.04	13.15	64.93	13.54	66.19	13.80	68.71	14.59
	0.00	40.97	9.86	47.28	10.91	53.58	12.49	63.04	13.15	64.93	13.54	66.19	13.80	68.71	14.59
	5.00	40.97	9.86	47.28	10.91	53.58	12.49	63.04	13.15	64.93	13.54	66.19	13.80	68.71	14.59
	10.00	40.58	9.86	46.82	10.91	53.06	12.49	62.42	13.15	64.30	13.54	65.55	13.80	68.04	14.59
	15.00	40.58	9.97	46.82	11.03	53.06	12.63	62.42	13.29	64.30	13.69	65.55	13.96	68.04	14.76
	20.00	41.77	9.86	48.19	10.91	54.62	12.49	64.26	13.15	66.19	13.54	67.47	13.80	70.04	14.59
	25.00	40.58	10.08	46.82	11.15	53.06	12.77	62.42	13.44	64.30	13.84	65.55	14.11	68.04	14.92
	30.00	40.97	10.41	47.28	11.52	53.58	13.18	63.04	13.88	64.93	14.29	66.19	14.57	68.71	15.40
	35.00	39.78	10.96	45.90	12.12	52.02	13.88	61.20	14.61	63.04	15.05	64.26	15.34	66.71	16.21
	39.00	38.19	11.28	44.06	12.97	49.94	14.85	58.75	15.34	60.51	15.80	61.69	16.11	64.04	17.03
	41.00	37.39	11.39	43.15	13.34	48.90	15.27	57.53	15.63	59.25	16.10	60.40	16.41	62.71	17.35
	43.00	36.60	11.50	42.23	13.94	47.86	15.96	56.30	15.92	57.99	16.40	59.12	16.72	61.37	17.67
46.00	34.04	12.14	39.27	14.49	44.51	16.59	52.36	17.46	53.93	17.98	54.98	18.33	57.08	19.38	
50.00	32.21	13.15	37.16	15.16	42.12	17.35	49.55	18.84	51.03	19.41	52.02	19.79	54.01	20.92	
80%	-5.00	36.42	8.43	42.02	9.33	47.63	10.68	56.03	11.25	57.71	11.58	58.83	11.81	61.07	12.48
	0.00	36.42	8.43	42.02	9.33	47.63	10.68	56.03	11.25	57.71	11.58	58.83	11.81	61.07	12.48
	5.00	36.42	8.43	42.02	9.33	47.63	10.68	56.03	11.25	57.71	11.58	58.83	11.81	61.07	12.48
	10.00	36.07	8.43	41.62	9.33	47.16	10.68	55.49	11.25	57.15	11.58	58.26	11.81	60.48	12.48
	15.00	36.07	8.53	41.62	9.44	47.16	10.80	55.49	11.37	57.15	11.71	58.26	11.94	60.48	12.62
	20.00	37.13	8.43	42.84	9.33	48.55	10.68	57.12	11.25	58.83	11.58	59.98	11.81	62.26	12.48
	25.00	36.07	8.62	41.62	9.54	47.16	10.92	55.49	11.50	57.15	11.84	58.26	12.07	60.48	12.76
	30.00	37.33	8.90	43.07	9.85	48.82	11.28	57.43	11.87	59.16	12.23	60.30	12.46	62.60	13.18
	35.00	36.24	9.37	41.82	10.37	47.40	11.87	55.76	12.50	57.43	12.87	58.55	13.12	60.78	13.87
	39.00	34.79	9.65	40.15	11.10	45.50	12.70	53.53	13.12	55.14	13.51	56.21	13.78	58.35	14.56
	41.00	34.07	9.75	39.31	11.41	44.55	13.06	52.41	13.37	53.99	13.77	55.04	14.04	57.13	14.84
	43.00	33.34	9.84	38.47	11.93	43.60	13.65	51.30	13.62	52.84	14.03	53.86	14.30	55.92	15.12
46.00	31.47	10.78	36.31	12.86	41.15	14.72	48.42	15.50	49.87	15.96	50.84	16.27	52.77	17.20	
50.00	26.72	11.25	30.83	12.96	34.94	14.84	41.11	16.12	42.34	16.60	43.16	16.93	44.81	17.89	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT024173HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	32.78	7.13	37.82	7.89	42.86	9.03	50.43	9.50	51.94	9.79	52.95	9.98	54.97	10.55
	0.00	32.78	7.13	37.82	7.89	42.86	9.03	50.43	9.50	51.94	9.79	52.95	9.98	54.97	10.55
	5.00	32.78	7.13	37.82	7.89	42.86	9.03	50.43	9.50	51.94	9.79	52.95	9.98	54.97	10.55
	10.00	32.46	7.13	37.45	7.89	42.45	9.03	49.94	9.50	51.44	9.79	52.44	9.98	54.43	10.55
	15.00	32.46	7.21	37.45	7.98	42.45	9.13	49.94	9.61	51.44	9.90	52.44	10.09	54.43	10.67
	20.00	33.42	7.13	38.56	7.89	43.70	9.03	51.41	9.50	52.95	9.79	53.98	9.98	56.03	10.55
	25.00	32.46	7.29	37.45	8.06	42.45	9.23	49.94	9.72	51.44	10.01	52.44	10.20	54.43	10.78
	30.00	32.78	7.52	37.82	8.33	42.86	9.53	50.43	10.03	51.94	10.33	52.95	10.53	54.97	11.14
	35.00	31.82	7.92	36.72	8.76	41.62	10.03	48.96	10.56	50.43	10.88	51.41	11.09	53.37	11.72
	39.00	30.55	8.16	35.25	9.38	39.95	10.73	47.00	11.09	48.41	11.42	49.35	11.64	51.23	12.31
	41.00	29.91	8.24	34.52	9.64	39.12	11.04	46.02	11.30	47.40	11.64	48.32	11.86	50.16	12.54
	43.00	29.28	8.32	33.78	10.08	38.29	11.54	45.04	11.51	46.39	11.86	47.30	12.09	49.10	12.78
46.00	27.58	8.65	31.82	10.32	36.07	11.82	42.43	12.44	43.70	12.81	44.55	13.06	46.25	13.81	
50.00	22.41	9.03	25.86	10.41	29.30	11.91	34.48	12.94	35.51	13.33	36.20	13.59	37.58	14.36	
60%	-5.00	28.23	5.82	32.57	6.44	36.91	7.37	43.42	7.76	44.73	7.99	45.60	8.15	47.33	8.62
	0.00	28.23	5.82	32.57	6.44	36.91	7.37	43.42	7.76	44.73	7.99	45.60	8.15	47.33	8.62
	5.00	28.23	5.82	32.57	6.44	36.91	7.37	43.42	7.76	44.73	7.99	45.60	8.15	47.33	8.62
	10.00	27.95	5.82	32.25	6.44	36.55	7.37	43.00	7.76	44.29	7.99	45.15	8.15	46.87	8.62
	15.00	27.95	5.89	32.25	6.51	36.55	7.46	43.00	7.85	44.29	8.08	45.15	8.24	46.87	8.71
	20.00	28.77	5.82	33.20	6.44	37.63	7.37	44.27	7.76	45.60	7.99	46.48	8.15	48.25	8.62
	25.00	27.95	5.95	32.25	6.59	36.55	7.54	43.00	7.93	44.29	8.17	45.15	8.33	46.87	8.81
	30.00	28.23	6.14	32.57	6.80	36.91	7.78	43.42	8.19	44.73	8.44	45.60	8.60	47.33	9.09
	35.00	27.40	6.47	31.62	7.16	35.84	8.19	42.16	8.62	43.42	8.88	44.27	9.06	45.95	9.57
	39.00	26.31	6.66	30.36	7.66	34.40	8.77	40.47	9.06	41.69	9.33	42.50	9.51	44.12	10.05
	41.00	25.76	6.73	29.72	7.87	33.69	9.01	39.63	9.23	40.82	9.50	41.61	9.69	43.20	10.24
	43.00	25.21	6.79	29.09	8.23	32.97	9.42	38.79	9.40	39.95	9.68	40.73	9.87	42.28	10.43
46.00	24.40	7.44	28.15	8.88	31.91	10.16	37.54	10.69	38.66	11.01	39.41	11.23	40.91	11.87	
50.00	19.82	7.76	22.87	8.95	25.92	10.24	30.50	11.12	31.41	11.46	32.02	11.68	33.24	12.35	
50%	-5.00	22.76	4.75	26.26	5.26	29.77	6.02	35.02	6.34	36.07	6.53	36.77	6.65	38.17	7.03
	0.00	22.76	4.75	26.26	5.26	29.77	6.02	35.02	6.34	36.07	6.53	36.77	6.65	38.17	7.03
	5.00	22.76	4.75	26.26	5.26	29.77	6.02	35.02	6.34	36.07	6.53	36.77	6.65	38.17	7.03
	10.00	22.54	4.75	26.01	5.26	29.48	6.02	34.68	6.34	35.72	6.53	36.41	6.65	37.80	7.03
	15.00	22.54	4.80	26.01	5.32	29.48	6.09	34.68	6.41	35.72	6.60	36.41	6.73	37.80	7.11
	20.00	23.20	4.75	26.77	5.26	30.34	6.02	35.70	6.34	36.77	6.53	37.48	6.65	38.91	7.03
	25.00	22.54	4.86	26.01	5.38	29.48	6.15	34.68	6.48	35.72	6.67	36.41	6.80	37.80	7.19
	30.00	22.76	5.02	26.26	5.55	29.77	6.35	35.02	6.69	36.07	6.89	36.77	7.02	38.17	7.42
	35.00	22.10	5.28	25.50	5.84	28.90	6.69	34.00	7.04	35.02	7.25	35.70	7.39	37.06	7.81
	39.00	21.22	5.44	24.48	6.25	27.74	7.16	32.64	7.39	33.62	7.61	34.27	7.76	35.58	8.21
	41.00	20.77	5.49	23.97	6.43	27.17	7.36	31.96	7.53	32.92	7.76	33.56	7.91	34.84	8.36
	43.00	20.33	5.54	23.46	6.72	26.59	7.69	31.28	7.67	32.22	7.90	32.84	8.06	34.10	8.52
46.00	19.32	5.77	22.29	6.88	25.26	7.88	29.72	8.29	30.61	8.54	31.20	8.71	32.39	9.21	
50.00	18.71	6.02	21.58	6.94	24.46	7.94	28.78	8.63	29.64	8.89	30.22	9.06	31.37	9.58	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT026173HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	52.65	12.60	60.75	14.32	68.85	16.40	81.00	17.26	83.43	17.78	85.05	18.12	88.29	19.16
	0.00	52.65	12.60	60.75	14.32	68.85	16.40	81.00	17.26	83.43	17.78	85.05	18.12	88.29	19.16
	5.00	52.65	12.60	60.75	14.32	68.85	16.40	81.00	17.26	83.43	17.78	85.05	18.12	88.29	19.16
	10.00	52.14	12.60	60.16	14.32	68.19	16.40	80.22	17.26	82.62	17.78	84.23	18.12	87.44	19.16
	15.00	52.14	12.74	60.16	14.48	68.19	16.58	80.22	17.45	82.62	17.97	84.23	18.32	87.44	19.37
	20.00	53.68	12.60	61.93	14.32	70.19	4.43	82.58	4.43	85.05	4.43	86.71	4.43	90.01	19.16
	25.00	52.14	12.88	60.16	14.64	68.19	16.76	80.22	17.64	82.62	18.17	84.23	18.52	87.44	19.58
	30.00	52.65	13.30	60.75	15.12	68.85	17.31	81.00	18.22	83.43	18.76	85.05	19.13	88.29	20.22
	35.00	51.12	14.00	58.98	15.92	66.85	18.22	78.65	19.18	81.00	19.75	82.58	20.13	85.72	21.29
	39.00	49.07	14.42	56.62	17.03	64.17	19.49	75.50	20.13	77.76	20.74	79.27	21.14	82.29	22.35
	41.00	48.05	14.70	55.44	17.68	62.84	20.24	73.93	20.72	76.14	21.34	77.62	21.76	80.58	23.00
	43.00	47.03	14.84	54.27	18.48	61.50	21.16	72.35	21.11	74.52	21.74	75.97	22.16	78.87	23.43
46.00	40.90	16.26	47.19	19.93	53.48	22.81	62.92	24.01	64.80	24.73	66.06	25.21	68.58	26.65	
50.00	33.23	16.96	38.34	20.09	43.45	22.99	51.12	24.98	52.65	25.73	53.68	26.23	55.72	27.73	
120%	-5.00	51.67	12.60	59.62	14.32	67.57	16.40	79.49	17.26	81.87	17.78	83.46	18.12	86.64	19.16
	0.00	51.67	12.60	59.62	14.32	67.57	16.40	79.49	17.26	81.87	17.78	83.46	18.12	86.64	19.16
	5.00	51.67	12.60	59.62	14.32	67.57	16.40	79.49	17.26	81.87	17.78	83.46	18.12	86.64	19.16
	10.00	51.17	12.60	59.04	14.32	66.91	16.40	78.72	17.26	81.08	17.78	82.65	18.12	85.80	19.16
	15.00	51.17	12.74	59.04	14.48	66.91	16.58	78.72	17.45	81.08	17.97	82.65	18.32	85.80	19.37
	20.00	52.67	12.60	60.78	14.32	68.88	16.40	81.03	17.26	83.46	17.78	85.09	18.12	88.33	19.16
	25.00	51.17	12.88	59.04	14.64	66.91	16.76	78.72	17.64	81.08	18.17	82.65	18.52	85.80	19.58
	30.00	51.67	13.30	59.62	15.12	67.57	17.31	79.49	18.22	81.87	18.76	83.46	19.13	86.64	20.22
	35.00	50.16	14.00	57.88	15.92	65.60	18.22	77.18	19.18	79.49	19.75	81.03	20.13	84.12	21.29
	39.00	48.16	14.35	55.57	16.95	62.97	19.40	74.09	20.04	76.31	4.02	77.79	6.84	80.76	22.24
	41.00	47.15	14.49	54.41	17.42	61.66	19.94	72.54	20.42	74.72	21.03	76.17	21.44	79.07	22.67
	43.00	46.15	14.63	53.25	18.22	60.35	20.85	71.00	20.80	73.13	21.43	74.55	21.84	77.39	23.09
46.00	40.13	16.02	46.31	19.64	52.48	22.48	61.74	23.66	63.59	24.37	64.83	24.85	67.30	26.27	
50.00	32.61	16.72	37.62	19.80	42.64	22.66	50.16	24.62	51.67	25.36	52.67	25.85	54.68	27.33	
110%	-5.00	50.68	12.54	58.48	14.25	66.28	16.32	77.98	17.17	80.32	17.69	81.87	18.03	84.99	19.06
	0.00	50.68	12.54	58.48	14.25	66.28	16.32	77.98	17.17	80.32	17.69	81.87	18.03	84.99	19.06
	5.00	50.68	12.54	58.48	14.25	66.28	16.32	77.98	17.17	80.32	17.69	81.87	18.03	84.99	19.06
	10.00	50.19	12.54	57.91	14.25	65.64	16.32	77.22	17.17	79.54	17.69	81.08	18.03	84.17	19.06
	15.00	50.19	12.68	57.91	14.41	65.64	16.50	77.22	17.36	79.54	17.89	81.08	18.23	84.17	19.27
	20.00	51.67	12.54	59.62	14.25	67.57	16.32	79.49	17.17	81.87	17.69	83.46	18.03	86.64	19.06
	25.00	50.19	12.82	57.91	14.57	65.64	16.68	77.22	17.56	79.54	18.08	81.08	18.43	84.17	19.49
	30.00	50.68	13.23	58.48	15.05	66.28	17.22	77.98	18.13	80.32	18.67	81.87	19.03	84.99	20.12
	35.00	49.21	13.93	56.78	15.84	64.35	18.13	75.71	19.08	77.98	19.65	79.49	20.04	82.52	21.18
	39.00	47.24	14.35	54.51	16.95	61.78	19.40	72.68	20.04	74.86	20.64	76.31	21.04	79.22	22.24
	41.00	46.26	14.49	53.37	17.42	60.49	19.94	71.16	20.42	73.30	21.03	74.72	21.44	77.57	22.66
	43.00	45.27	14.63	52.24	18.21	59.20	20.85	69.65	20.80	71.74	21.42	73.13	21.84	75.92	23.09
46.00	39.37	16.02	45.42	19.64	51.48	22.48	60.56	23.66	62.38	24.37	63.59	24.84	66.01	26.26	
50.00	31.99	16.72	36.91	19.80	41.83	22.66	49.21	24.62	50.68	25.35	51.67	25.85	53.64	27.32	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT026173HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	49.21	12.35	56.78	14.04	64.35	16.07	75.71	16.92	77.98	17.43	79.49	17.77	82.52	18.78		
	0.00	49.21	12.35	56.78	14.04	64.35	16.07	75.71	16.92	77.98	17.43	79.49	17.77	82.52	18.78		
	5.00	49.21	12.35	56.78	14.04	64.35	16.07	75.71	16.92	77.98	17.43	79.49	17.77	82.52	18.78		
	10.00	48.73	12.35	56.23	14.04	63.72	16.07	74.97	16.92	77.22	17.43	78.72	17.77	81.72	18.78		
	15.00	48.73	12.49	56.23	14.20	63.72	16.25	74.97	17.11	77.22	17.62	78.72	17.96	81.72	18.99		
	20.00	50.16	12.35	57.88	14.04	65.60	16.07	77.18	16.92	79.49	17.43	81.03	17.77	84.12	18.78		
	25.00	48.73	12.63	56.23	14.36	63.72	16.43	74.97	17.30	77.22	17.81	78.72	18.16	81.72	19.20		
	30.00	49.21	13.04	56.78	14.82	64.35	16.97	75.71	17.86	77.98	18.40	79.49	18.75	82.52	19.82		
	35.00	47.78	13.72	55.13	15.60	62.48	17.86	73.50	18.80	75.71	19.36	77.18	19.74	80.12	20.87		
	39.00	45.86	14.14	52.92	16.70	59.98	19.11	70.56	19.74	72.68	20.33	74.09	20.73	76.91	21.91		
	41.00	44.91	14.27	51.82	17.16	58.73	19.65	69.09	20.12	71.16	20.72	72.54	21.12	75.31	22.33		
	43.00	43.95	14.41	50.72	17.94	57.48	20.54	67.62	20.49	69.65	21.11	71.00	21.52	73.71	22.75		
46.00	38.22	15.78	44.10	19.35	49.98	22.15	58.80	23.31	60.56	24.01	61.74	24.48	64.09	25.88			
50.00	31.05	16.47	35.83	19.51	40.61	22.33	47.78	24.25	49.21	24.98	50.16	25.46	52.07	26.92			
90%	-5.00	44.29	10.25	51.10	11.66	57.91	13.34	68.13	12.72	70.18	14.46	71.54	14.75	74.27	15.59		
	0.00	44.29	10.25	51.10	11.66	57.91	13.34	68.13	14.04	70.18	14.46	71.54	14.75	74.27	15.59		
	5.00	44.29	10.25	51.10	11.66	57.91	13.34	68.13	14.04	70.18	14.46	71.54	14.75	74.27	15.59		
	10.00	43.86	10.25	50.60	11.66	57.35	13.34	67.47	14.04	69.50	14.46	70.85	14.75	73.55	15.59		
	15.00	43.86	10.37	50.60	11.79	57.35	13.49	67.47	14.20	69.50	14.63	70.85	14.91	73.55	15.76		
	20.00	45.15	10.25	52.09	11.66	59.04	13.34	69.46	14.04	71.54	14.46	72.93	14.75	75.71	15.59		
	25.00	43.86	10.48	50.60	11.92	57.35	13.64	67.47	14.36	69.50	14.79	70.85	15.07	73.55	15.93		
	30.00	44.29	10.82	51.10	12.30	57.91	14.08	68.13	14.82	70.18	15.27	71.54	15.56	74.27	16.45		
	35.00	43.00	11.39	49.61	12.95	56.23	14.82	66.15	15.60	68.13	16.07	69.46	16.38	72.10	17.32		
	39.00	41.28	11.73	47.63	13.86	53.98	15.86	63.50	16.38	65.41	16.88	66.68	17.20	69.22	18.19		
	41.00	40.42	11.85	46.64	14.25	52.85	16.31	62.18	16.70	64.05	17.20	65.29	17.53	67.78	18.53		
	43.00	39.56	11.96	45.64	14.89	51.73	17.05	60.86	17.01	62.68	17.52	63.90	17.86	66.34	18.88		
46.00	36.79	12.63	42.45	15.48	48.11	17.72	56.60	18.65	58.30	19.21	59.43	19.58	61.69	20.70			
50.00	34.81	13.67	40.17	16.19	45.52	18.53	53.56	20.13	55.16	20.73	56.23	21.14	58.37	22.34			
80%	-5.00	39.37	8.77	45.42	9.97	51.48	11.41	60.56	12.01	62.38	12.37	63.59	12.61	66.01	13.33		
	0.00	39.37	8.77	45.42	9.97	51.48	11.41	60.56	12.01	62.38	12.37	63.59	12.61	66.01	13.33		
	5.00	39.37	8.77	45.42	9.97	51.48	11.41	60.56	12.01	62.38	12.37	63.59	12.61	66.01	13.33		
	10.00	38.98	8.77	44.98	9.97	50.98	11.41	59.98	12.01	61.78	12.37	62.97	12.61	65.37	13.33		
	15.00	38.98	8.87	44.98	10.08	50.98	11.54	59.98	12.15	61.78	12.51	62.97	12.75	65.37	13.48		
	20.00	40.13	8.77	46.31	9.97	52.48	11.41	61.74	12.01	63.59	12.37	64.83	12.61	67.30	13.33		
	25.00	38.98	8.96	44.98	10.19	50.98	11.67	59.98	12.28	61.78	12.65	62.97	12.89	65.37	13.63		
	30.00	40.35	9.26	46.56	10.52	52.77	12.05	62.08	12.68	63.94	13.06	65.18	13.31	67.67	14.08		
	35.00	39.18	9.74	45.20	11.08	51.23	12.68	60.27	13.35	62.08	13.75	63.28	14.02	65.69	14.82		
	39.00	37.61	10.04	43.39	11.85	49.18	13.57	57.86	14.02	59.59	14.44	60.75	14.72	63.07	15.56		
	41.00	36.82	10.13	42.49	12.19	48.16	13.95	56.65	14.28	58.35	14.71	59.49	15.00	61.75	15.85		
	43.00	36.04	10.23	41.59	12.74	47.13	14.58	55.45	14.55	57.11	14.99	58.22	15.28	60.44	16.15		
46.00	34.02	11.21	39.25	13.74	44.48	15.72	52.33	16.55	53.90	17.05	54.95	17.38	57.04	18.37			
50.00	28.88	11.69	33.32	13.85	37.77	15.85	44.43	17.22	45.76	17.74	46.65	18.08	48.43	19.11			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT026173HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	35.43	7.41	40.88	8.43	46.33	9.64	54.51	10.15	56.14	10.46	57.23	10.66	59.41	11.27
	0.00	35.43	7.41	40.88	8.43	46.33	9.64	54.51	10.15	56.14	10.46	57.23	10.66	59.41	11.27
	5.00	35.43	7.41	40.88	8.43	46.33	9.64	54.51	10.15	56.14	10.46	57.23	10.66	59.41	11.27
	10.00	35.09	7.41	40.48	8.43	45.88	9.64	53.98	10.15	55.60	10.46	56.68	10.66	58.84	11.27
	15.00	35.09	7.49	40.48	8.52	45.88	9.75	53.98	10.26	55.60	10.57	56.68	10.78	58.84	11.39
	20.00	36.12	7.41	41.67	8.43	47.23	9.64	55.57	10.15	57.23	10.46	58.34	10.66	60.57	11.27
	25.00	35.09	7.58	40.48	8.61	45.88	9.86	53.98	10.38	55.60	10.69	56.68	10.90	58.84	11.52
	30.00	35.43	7.82	40.88	8.89	46.33	10.18	54.51	10.72	56.14	11.04	57.23	11.25	59.41	11.89
	35.00	34.40	8.23	39.69	9.36	44.98	10.72	52.92	11.28	54.51	11.62	55.57	11.84	57.68	12.52
	39.00	33.02	8.48	38.10	10.02	43.18	11.47	50.80	11.84	52.33	12.20	53.34	12.44	55.38	13.15
	41.00	32.33	8.56	37.31	10.30	42.28	11.79	49.74	12.07	51.24	12.43	52.23	12.67	54.22	13.40
	43.00	31.65	8.65	36.51	10.77	41.38	12.32	48.69	12.30	50.15	12.66	51.12	12.91	53.07	13.65
46.00	29.81	9.00	34.40	11.03	38.98	12.62	45.86	13.29	47.24	13.69	48.16	13.95	49.99	14.75	
50.00	24.22	9.39	27.95	11.12	31.67	12.73	37.26	13.82	38.38	14.24	39.13	14.51	40.62	15.34	
60%	-5.00	30.51	6.05	35.20	6.88	39.90	7.88	46.94	8.29	48.35	8.54	49.28	8.71	51.16	9.20
	0.00	30.51	6.05	35.20	6.88	39.90	7.88	46.94	8.29	48.35	8.54	49.28	8.71	51.16	9.20
	5.00	30.51	6.05	35.20	6.88	39.90	7.88	46.94	8.29	48.35	8.54	49.28	8.71	51.16	9.20
	10.00	30.21	6.05	34.86	6.88	39.51	7.88	46.48	8.29	47.88	8.54	48.81	8.71	50.66	9.20
	15.00	30.21	6.12	34.86	6.96	39.51	7.96	46.48	8.38	47.88	8.63	48.81	8.80	50.66	9.31
	20.00	31.10	6.05	35.89	6.88	40.67	7.88	47.85	8.29	49.28	8.54	50.24	8.71	52.15	9.20
	25.00	30.21	6.19	34.86	7.03	39.51	8.05	46.48	8.48	47.88	8.73	48.81	8.90	50.66	9.41
	30.00	30.51	6.39	35.20	7.26	39.90	8.31	46.94	8.75	48.35	9.01	49.28	9.19	51.16	9.71
	35.00	29.62	6.72	34.18	7.65	38.73	8.75	45.57	9.21	46.94	9.49	47.85	9.67	49.67	10.23
	39.00	28.44	6.93	32.81	8.18	37.19	9.36	43.75	9.67	45.06	9.96	45.93	10.16	47.68	10.74
	41.00	27.84	6.99	32.13	8.41	36.41	9.63	42.84	9.86	44.12	10.15	44.98	10.35	46.69	10.94
	43.00	27.25	7.06	31.44	8.79	35.64	10.06	41.92	10.04	43.18	10.34	44.02	10.54	45.70	11.15
46.00	26.37	7.73	30.43	9.48	34.49	10.85	40.57	11.42	41.79	11.77	42.60	11.99	44.22	12.68	
50.00	21.43	8.07	24.72	9.56	28.02	10.94	32.96	11.88	33.95	12.24	34.61	12.48	35.93	13.19	
50%	-5.00	24.60	4.94	28.39	5.62	32.17	6.43	37.85	6.77	38.99	6.97	39.75	7.11	41.26	7.51
	0.00	24.60	4.94	28.39	5.62	32.17	6.43	37.85	6.77	38.99	6.97	39.75	7.11	41.26	7.51
	5.00	24.60	4.94	28.39	5.62	32.17	6.43	37.85	6.77	38.99	6.97	39.75	7.11	41.26	7.51
	10.00	24.37	4.94	28.11	5.62	31.86	6.43	37.49	6.77	38.61	6.97	39.36	7.11	40.86	7.51
	15.00	24.37	5.00	28.11	5.68	31.86	6.50	37.49	6.84	38.61	7.05	39.36	7.19	40.86	7.60
	20.00	25.08	4.94	28.94	5.62	32.80	6.43	38.59	6.77	39.75	6.97	40.52	7.11	42.06	7.51
	25.00	24.37	5.05	28.11	5.74	31.86	6.57	37.49	6.92	38.61	7.13	39.36	7.26	40.86	7.68
	30.00	24.60	5.22	28.39	5.93	32.17	6.79	37.85	7.14	38.99	7.36	39.75	7.50	41.26	7.93
	35.00	23.89	5.49	27.56	6.24	31.24	7.14	36.75	7.52	37.85	7.75	38.59	7.90	40.06	8.35
	39.00	22.93	5.65	26.46	6.68	29.99	7.64	35.28	7.90	36.34	8.13	37.04	8.29	38.46	8.76
	41.00	22.45	5.71	25.91	6.87	29.36	7.86	34.55	8.05	35.58	8.29	36.27	8.45	37.65	8.93
	43.00	21.98	5.76	25.36	7.18	28.74	8.22	33.81	8.20	34.82	8.44	35.50	8.61	36.85	9.10
46.00	20.88	6.00	24.09	7.35	27.30	8.42	32.12	8.86	33.08	9.12	33.73	9.30	35.01	9.83	
50.00	20.22	6.26	23.33	7.41	26.44	8.48	31.11	9.22	32.04	9.49	32.66	9.68	33.90	10.23	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT028S73HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	57.31	15.01	66.13	16.61	74.94	19.02	88.17	20.02	90.81	20.62	92.58	21.02	96.10	22.22
	0.00	57.31	15.01	66.13	16.61	74.94	19.02	88.17	20.02	90.81	20.62	92.58	21.02	96.10	22.22
	5.00	57.31	15.01	66.13	16.61	74.94	19.02	88.17	20.02	90.81	20.62	92.58	21.02	96.10	22.22
	10.00	56.75	15.01	65.48	16.61	74.22	19.02	87.31	20.02	89.93	20.62	91.68	21.02	95.17	22.22
	15.00	56.75	15.18	65.48	16.80	74.22	19.23	87.31	20.24	89.93	20.85	91.68	21.25	95.17	22.47
	20.00	58.42	15.01	67.41	16.61	76.40	8.86	89.88	8.86	92.58	8.86	94.37	8.86	97.97	22.22
	25.00	56.75	15.35	65.48	16.98	74.22	19.44	87.31	20.46	89.93	21.08	91.68	21.48	95.17	22.71
	30.00	57.31	15.85	66.13	17.54	74.94	20.07	88.17	21.13	90.81	21.76	92.58	22.19	96.10	23.45
	35.00	55.64	16.68	64.20	18.46	72.76	21.13	85.60	22.24	88.17	22.91	89.88	23.35	93.30	24.69
	39.00	53.41	17.18	61.63	19.75	69.85	22.61	82.18	23.35	84.64	24.05	86.28	24.52	89.57	25.92
	41.00	52.30	17.52	60.35	20.51	68.39	23.47	80.46	24.03	82.88	24.75	84.49	25.23	87.71	26.67
	43.00	51.19	17.69	59.06	21.44	66.94	24.54	78.75	24.48	81.11	25.21	82.69	25.70	85.84	27.17
46.00	44.51	19.37	51.36	23.11	58.21	26.46	68.48	27.85	70.53	28.68	71.90	29.24	74.64	30.91	
50.00	36.17	20.21	41.73	23.30	47.29	26.67	55.64	28.97	57.31	29.84	58.42	30.42	60.65	25.80	
120%	-5.00	56.24	15.01	64.89	16.61	73.54	19.02	86.52	20.02	89.12	20.62	90.85	21.02	94.31	22.22
	0.00	56.24	15.01	64.89	16.61	73.54	19.02	86.52	20.02	89.12	20.62	90.85	21.02	94.31	22.22
	5.00	56.24	15.01	64.89	16.61	73.54	19.02	86.52	20.02	89.12	20.62	90.85	21.02	94.31	22.22
	10.00	55.69	15.01	64.26	16.61	72.83	19.02	85.68	20.02	88.25	20.62	89.96	21.02	93.39	22.22
	15.00	55.69	15.18	64.26	16.80	72.83	19.23	85.68	20.24	88.25	20.85	89.96	21.25	93.39	22.47
	20.00	57.33	15.01	66.15	16.61	74.97	19.02	88.20	20.02	90.85	20.62	92.61	21.02	96.14	22.22
	25.00	55.69	15.35	64.26	16.98	72.83	19.44	85.68	20.46	88.25	21.08	89.96	21.48	93.39	22.71
	30.00	56.24	15.85	64.89	17.54	73.54	20.07	86.52	21.13	89.12	21.76	90.85	22.19	94.31	23.45
	35.00	54.60	16.68	63.00	18.46	71.40	21.13	84.00	22.24	86.52	22.91	88.20	23.35	91.56	24.69
	39.00	52.42	17.10	60.48	19.66	68.54	22.50	80.64	23.24	83.06	8.04	84.67	13.67	87.90	25.80
	41.00	51.32	17.26	59.22	20.21	67.12	23.13	78.96	23.68	81.33	24.39	82.91	24.87	86.07	26.29
	43.00	50.23	17.43	57.96	21.13	65.69	24.18	77.28	24.13	79.60	24.85	81.14	25.33	84.24	26.78
46.00	43.68	19.09	50.40	22.78	57.12	26.07	67.20	27.45	69.22	28.27	70.56	28.82	73.25	30.47	
50.00	35.49	19.92	40.95	22.96	46.41	26.28	54.60	28.55	56.24	29.41	57.33	29.98	59.51	31.69	
110%	-5.00	55.17	14.94	63.65	16.53	72.14	18.92	84.87	19.92	87.42	20.52	89.12	20.91	92.51	22.11
	0.00	55.17	14.94	63.65	16.53	72.14	18.92	84.87	19.92	87.42	20.52	89.12	20.91	92.51	22.11
	5.00	55.17	14.94	63.65	16.53	72.14	18.92	84.87	19.92	87.42	20.52	89.12	20.91	92.51	22.11
	10.00	54.63	14.94	63.04	16.53	71.44	18.92	84.05	19.92	86.57	20.52	88.25	20.91	91.61	22.11
	15.00	54.63	15.11	63.04	16.72	71.44	19.13	84.05	20.14	86.57	20.74	88.25	21.15	91.61	22.36
	20.00	56.24	14.94	64.89	16.53	73.54	18.92	86.52	19.92	89.12	20.52	90.85	20.91	94.31	22.11
	25.00	54.63	15.27	63.04	16.90	71.44	19.34	84.05	20.36	86.57	20.97	88.25	21.38	91.61	22.60
	30.00	55.17	15.77	63.65	17.45	72.14	19.97	84.87	21.03	87.42	21.66	89.12	22.08	92.51	23.34
	35.00	53.56	16.60	61.80	18.37	70.04	21.03	82.40	22.13	84.87	22.80	86.52	23.24	89.82	24.57
	39.00	51.42	17.10	59.33	19.66	67.24	22.50	79.10	23.24	81.48	23.94	83.06	24.40	86.22	25.79
	41.00	50.35	17.26	58.09	20.21	65.84	23.13	77.46	23.68	79.78	24.39	81.33	24.87	84.43	26.29
	43.00	49.28	17.43	56.86	21.12	64.44	24.18	75.81	24.12	78.08	24.85	79.60	25.33	82.63	26.78
46.00	42.85	19.09	49.44	22.78	56.03	26.07	65.92	27.44	67.90	28.27	69.22	28.82	71.85	30.46	
50.00	34.81	19.92	40.17	22.96	45.53	26.28	53.56	28.55	55.17	29.41	56.24	29.98	58.38	31.69	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT028S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	53.56	14.72	61.80	16.29	70.04	18.64	82.40	19.62	84.87	20.21	86.52	20.61	89.82	21.78
	0.00	53.56	14.72	61.80	16.29	70.04	18.64	82.40	19.62	84.87	20.21	86.52	20.61	89.82	21.78
	5.00	53.56	14.72	61.80	16.29	70.04	18.64	82.40	19.62	84.87	20.21	86.52	20.61	89.82	21.78
	10.00	53.04	14.72	61.20	16.29	69.36	18.64	81.60	19.62	84.05	20.21	85.68	20.61	88.94	21.78
	15.00	53.04	14.88	61.20	16.47	69.36	18.85	81.60	19.84	84.05	20.44	85.68	20.83	88.94	22.03
	20.00	54.60	14.72	63.00	16.29	71.40	18.64	84.00	19.62	86.52	20.21	88.20	20.61	91.56	21.78
	25.00	53.04	15.05	61.20	16.65	69.36	19.06	81.60	20.06	84.05	20.66	85.68	21.06	88.94	22.27
	30.00	53.56	15.54	61.80	17.19	70.04	19.68	82.40	20.71	84.87	21.34	86.52	21.75	89.82	22.99
	35.00	52.00	16.35	60.00	18.10	68.00	20.71	80.00	21.80	82.40	22.46	84.00	22.90	87.20	24.20
	39.00	49.92	16.84	57.60	19.36	65.28	22.16	76.80	22.90	79.10	23.58	80.64	24.04	83.71	25.41
	41.00	48.88	17.01	56.40	19.91	63.92	22.79	75.20	23.33	77.46	24.03	78.96	24.50	81.97	25.90
	43.00	47.84	17.17	55.20	20.81	62.56	23.82	73.60	23.77	75.81	24.48	77.28	24.96	80.22	26.38
46.00	41.60	18.81	48.00	22.44	54.40	25.69	64.00	27.04	65.92	27.85	67.20	28.39	69.76	30.01	
50.00	33.80	19.62	39.00	22.62	44.20	25.89	52.00	28.13	53.56	28.97	54.60	29.53	56.68	31.22	
90%	-5.00	48.20	11.92	55.62	13.19	63.04	15.10	74.16	15.90	76.38	16.37	77.87	16.69	80.83	17.64
	0.00	48.20	11.92	55.62	13.19	63.04	15.10	74.16	15.90	76.38	16.37	77.87	16.69	80.83	17.64
	5.00	48.20	11.92	55.62	13.19	63.04	15.10	74.16	15.90	76.38	16.37	77.87	16.69	80.83	17.64
	10.00	47.74	11.92	55.08	13.19	62.42	15.10	73.44	15.90	75.64	16.37	77.11	16.69	80.05	17.64
	15.00	47.74	12.05	55.08	13.34	62.42	15.27	73.44	16.07	75.64	16.55	77.11	16.88	80.05	17.84
	20.00	49.14	11.92	56.70	13.19	64.26	15.10	75.60	15.90	77.87	16.37	79.38	16.69	82.40	17.64
	25.00	47.74	12.19	55.08	13.49	62.42	15.44	73.44	16.25	75.64	16.74	77.11	17.06	80.05	18.04
	30.00	48.20	12.58	55.62	13.93	63.04	15.94	74.16	16.78	76.38	17.28	77.87	17.62	80.83	18.62
	35.00	46.80	13.25	54.00	14.66	61.20	16.78	72.00	17.66	74.16	18.19	75.60	18.55	78.48	19.60
	39.00	44.93	13.64	51.84	15.69	58.75	17.95	69.12	18.55	71.19	19.10	72.58	19.47	75.34	20.58
	41.00	43.99	13.78	50.76	16.13	57.53	18.46	67.68	18.90	69.71	19.47	71.06	19.84	73.77	20.98
	43.00	43.06	13.91	49.68	16.86	56.30	19.30	66.24	19.25	68.23	19.83	69.55	20.21	72.20	21.37
46.00	40.04	14.67	46.20	17.50	52.36	20.04	61.60	21.09	63.45	21.72	64.68	22.14	67.15	23.41	
50.00	37.89	15.90	43.72	18.32	49.55	20.97	58.29	22.78	60.04	23.47	61.21	23.92	63.54	25.29	
80%	-5.00	42.85	10.45	50.68	11.56	57.43	13.24	67.57	13.93	69.60	14.35	70.95	14.63	73.65	15.47
	0.00	42.85	10.45	50.68	11.56	57.43	13.24	67.57	13.93	69.60	14.35	70.95	14.63	73.65	15.47
	5.00	42.85	10.45	50.68	11.56	57.43	13.24	67.57	13.93	69.60	14.35	70.95	14.63	73.65	15.47
	10.00	42.43	10.45	50.18	11.56	56.88	13.24	66.91	13.93	68.92	14.35	70.26	14.63	72.93	15.47
	15.00	42.43	10.57	50.18	11.69	56.88	13.38	66.91	14.09	68.92	14.51	70.26	14.79	72.93	15.64
	20.00	43.68	10.45	51.66	11.56	58.55	13.24	68.88	13.93	70.95	14.35	72.32	14.63	75.08	15.47
	25.00	42.43	10.68	50.18	11.82	56.88	13.53	66.91	14.24	68.92	14.67	70.26	14.96	72.93	15.81
	30.00	43.92	11.03	50.68	12.21	57.43	13.97	67.57	14.71	69.60	15.15	70.95	15.44	73.65	16.33
	35.00	42.64	11.61	49.20	12.85	55.76	14.71	65.60	14.17	67.57	14.60	68.88	14.88	71.50	15.73
	39.00	40.93	11.96	47.23	13.75	53.53	15.74	62.98	14.88	64.87	15.33	66.12	15.63	68.64	16.52
	41.00	40.08	12.08	46.25	14.13	52.41	16.18	61.66	16.57	63.51	17.06	64.75	17.39	67.21	18.39
	43.00	39.23	12.19	45.26	14.78	51.30	16.91	60.35	16.87	62.16	17.38	63.37	17.72	65.78	18.73
46.00	37.02	13.16	42.72	15.71	48.42	17.98	56.96	18.93	58.67	19.49	59.81	19.87	62.09	21.01	
50.00	31.43	13.34	36.27	15.38	41.11	17.61	48.36	19.13	49.81	19.70	50.78	20.08	52.71	21.23	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT028S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	37.49	8.83	43.26	9.77	49.03	11.19	57.68	11.77	59.41	12.13	60.56	12.36	62.87	13.07		
	0.00	37.49	8.83	43.26	9.77	49.03	11.19	57.68	11.77	59.41	12.13	60.56	12.36	62.87	13.07		
	5.00	37.49	8.83	43.26	9.77	49.03	11.19	57.68	11.77	59.41	12.13	60.56	12.36	62.87	13.07		
	10.00	37.13	8.83	42.84	9.77	48.55	11.19	57.12	11.77	58.83	12.13	59.98	12.36	62.26	13.07		
	15.00	37.13	8.93	42.84	9.88	48.55	11.31	57.12	11.91	58.83	12.26	59.98	12.50	62.26	13.22		
	20.00	38.22	8.83	44.10	9.77	49.98	11.19	58.80	11.77	60.56	12.13	61.74	12.36	64.09	13.07		
	25.00	37.13	9.03	42.84	9.99	48.55	11.43	57.12	12.04	58.83	12.40	59.98	12.64	62.26	13.36		
	30.00	37.49	9.32	43.26	10.32	49.03	11.81	57.68	12.43	59.41	12.80	60.56	13.05	62.87	13.80		
	35.00	36.40	9.81	42.00	10.86	47.60	12.43	56.00	13.08	57.68	13.48	58.80	13.74	61.04	14.52		
	39.00	34.94	10.11	40.32	11.62	45.70	13.30	53.76	13.74	55.37	14.15	56.45	14.42	58.60	15.25		
	41.00	34.22	10.20	39.48	11.94	44.74	13.67	52.64	14.00	54.22	14.42	55.27	14.70	57.38	15.54		
	43.00	33.49	10.30	38.64	12.49	43.79	14.29	51.52	14.26	53.07	14.69	54.10	14.97	56.16	15.83		
46.00	34.11	11.28	39.36	13.46	44.61	15.41	52.48	16.22	54.05	16.71	55.10	17.03	57.20	18.01			
50.00	27.04	11.77	31.20	13.57	35.36	15.54	41.60	16.88	42.85	17.38	43.68	17.72	45.34	18.73			
60%	-5.00	32.14	7.36	37.08	8.14	42.02	9.32	50.26	9.81	51.77	10.11	52.78	10.30	54.79	10.89		
	0.00	32.14	7.36	37.08	8.14	42.02	9.32	50.26	9.81	51.77	10.11	52.78	10.30	54.79	10.89		
	5.00	32.14	7.36	37.08	8.14	42.02	9.32	50.26	9.81	51.77	10.11	52.78	10.30	54.79	10.89		
	10.00	31.82	7.36	36.72	8.14	41.62	9.32	49.78	9.81	51.27	10.11	52.26	10.30	54.26	10.89		
	15.00	31.82	7.44	36.72	8.23	41.62	9.43	49.78	9.92	51.27	10.22	52.26	10.42	54.26	11.01		
	20.00	32.76	7.36	37.80	8.14	42.84	9.32	51.24	9.81	52.78	10.11	53.80	10.30	55.85	10.89		
	25.00	31.82	7.52	36.72	8.33	41.62	9.53	49.78	10.03	51.27	10.33	52.26	10.53	54.26	11.13		
	30.00	32.14	7.77	37.08	8.60	42.02	9.84	50.26	10.36	51.77	10.67	52.78	10.88	54.79	11.50		
	35.00	31.20	8.18	36.00	9.05	40.80	10.36	48.80	10.90	50.26	11.23	51.24	11.45	53.19	12.10		
	39.00	29.95	8.42	34.56	9.68	39.17	11.08	46.85	11.45	48.25	11.79	49.19	12.02	51.06	12.71		
	41.00	29.33	8.50	33.84	9.95	38.35	11.39	45.87	11.67	47.25	12.02	48.17	12.25	50.00	12.95		
	43.00	28.70	8.59	33.12	10.41	37.54	11.91	44.90	11.88	46.24	12.24	47.14	12.48	48.94	13.19		
46.00	27.46	9.40	31.68	11.22	35.90	12.84	39.04	12.98	40.21	13.37	40.99	13.63	42.55	14.41			
50.00	22.98	9.42	26.52	10.86	30.06	12.43	32.24	13.50	33.74	13.33	34.40	13.59	35.71	14.36			
50%	-5.00	26.78	5.89	30.90	6.52	35.02	7.46	41.20	7.85	42.44	8.09	43.26	8.24	44.91	8.71		
	0.00	26.78	5.89	30.90	6.52	35.02	7.46	41.20	7.85	42.44	8.09	43.26	8.24	44.91	8.71		
	5.00	26.78	5.89	30.90	6.52	35.02	7.46	41.20	7.85	42.44	8.09	43.26	8.24	44.91	8.71		
	10.00	26.52	5.89	30.60	6.52	34.68	7.46	40.80	7.85	42.02	8.09	42.84	8.24	44.47	8.71		
	15.00	26.52	5.95	30.60	6.59	34.68	7.54	40.80	7.94	42.02	8.18	42.84	8.33	44.47	8.81		
	20.00	27.30	5.89	31.50	6.52	35.70	7.46	42.00	7.85	43.26	8.09	44.10	8.24	45.78	8.71		
	25.00	26.52	6.02	30.60	6.66	34.68	7.62	40.80	8.02	42.02	8.26	42.84	8.43	44.47	8.91		
	30.00	26.78	6.21	30.90	6.88	35.02	7.87	41.20	8.29	42.44	8.53	43.26	8.70	44.91	9.20		
	35.00	26.00	6.54	30.00	7.24	34.00	8.29	40.00	8.72	41.20	8.98	42.00	9.16	43.60	9.68		
	39.00	24.96	6.74	28.80	7.75	32.64	8.87	38.40	9.16	39.55	9.43	40.32	9.62	41.86	10.17		
	41.00	24.44	6.80	28.20	7.96	31.96	9.11	37.60	9.33	38.73	9.61	39.48	9.80	40.98	10.36		
	43.00	23.92	6.87	27.60	8.33	31.28	9.53	36.80	9.51	37.90	9.79	38.64	9.98	40.11	10.55		
46.00	22.72	7.15	26.22	8.53	29.72	9.76	34.96	10.27	36.01	10.58	36.71	10.79	38.11	11.40			
50.00	22.01	7.46	25.39	8.60	28.78	9.84	33.86	10.69	34.87	11.01	35.55	11.22	36.90	11.86			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT030S73HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	60.89	15.63	70.26	17.30	79.63	19.80	93.68	20.84	96.49	21.47	98.36	21.88	102.11	23.13
	0.00	60.89	15.63	70.26	17.30	79.63	19.80	93.68	20.84	96.49	21.47	98.36	21.88	102.11	23.13
	5.00	60.89	15.63	70.26	17.30	79.63	19.80	93.68	20.84	96.49	21.47	98.36	21.88	102.11	23.13
	10.00	60.30	15.63	69.58	17.30	78.85	19.80	92.77	20.84	95.55	21.47	97.41	21.88	101.12	23.13
	15.00	60.30	15.80	69.58	17.49	78.85	20.02	92.77	21.07	95.55	21.70	97.41	22.13	101.12	23.39
	20.00	62.07	15.63	71.62	17.30	81.17	8.86	95.50	8.86	98.36	8.86	100.27	8.86	104.09	23.13
	25.00	60.30	15.98	69.58	17.68	78.85	20.24	92.77	21.30	95.55	21.94	97.41	22.37	101.12	23.65
	30.00	60.89	16.50	70.26	18.26	79.63	20.90	93.68	22.00	96.49	22.66	98.36	23.10	102.11	24.42
	35.00	59.12	17.37	68.21	19.22	77.31	22.00	90.95	23.16	93.68	23.85	95.50	24.31	99.14	25.70
	39.00	56.75	17.89	65.48	20.57	74.22	23.54	87.31	24.31	89.93	25.04	91.68	25.53	95.17	26.99
	41.00	55.57	18.24	64.12	21.35	72.67	24.44	85.49	25.02	88.06	25.77	89.77	26.27	93.19	27.77
	43.00	54.39	18.41	62.76	22.32	71.12	25.55	83.67	25.49	86.18	26.25	87.86	26.76	91.20	28.29
46.00	47.29	20.17	54.57	24.07	61.85	27.55	72.76	29.00	74.94	29.87	76.40	30.45	79.31	32.19	
50.00	38.43	21.05	44.34	24.26	50.25	27.77	59.12	30.16	60.89	31.07	62.07	31.67	64.44	30.30	
120%	-5.00	59.75	15.63	68.95	17.30	78.14	19.80	91.93	20.84	94.69	21.47	96.52	21.88	100.20	23.13
	0.00	59.75	15.63	68.95	17.30	78.14	19.80	91.93	20.84	94.69	21.47	96.52	21.88	100.20	23.13
	5.00	59.75	15.63	68.95	17.30	78.14	19.80	91.93	20.84	94.69	21.47	96.52	21.88	100.20	23.13
	10.00	59.17	15.63	68.28	17.30	77.38	19.80	91.04	20.84	93.77	21.47	95.59	21.88	99.23	23.13
	15.00	59.17	15.80	68.28	17.49	77.38	20.02	91.04	21.07	93.77	21.70	95.59	22.13	99.23	23.39
	20.00	60.91	15.63	70.28	17.30	79.66	19.80	93.71	20.84	96.52	21.47	98.40	21.88	102.15	23.13
	25.00	59.17	15.98	68.28	17.68	77.38	20.24	91.04	21.30	93.77	21.94	95.59	22.37	99.23	23.65
	30.00	59.75	16.50	68.95	18.26	78.14	20.90	91.93	22.00	94.69	22.66	96.52	23.10	100.20	24.42
	35.00	58.01	17.37	66.94	19.22	75.86	22.00	89.25	23.16	91.93	23.85	93.71	24.31	97.28	25.70
	39.00	55.69	17.80	64.26	20.47	72.83	23.43	85.68	24.20	88.25	8.04	89.96	13.67	93.39	26.86
	41.00	54.53	17.98	62.92	21.04	71.31	24.08	83.90	24.66	86.41	25.40	88.09	25.89	91.45	27.37
	43.00	53.37	18.15	61.58	22.00	69.79	25.18	82.11	25.12	84.57	25.87	86.22	26.38	89.50	27.88
46.00	46.41	19.88	53.55	23.72	60.69	27.15	71.40	28.58	73.54	29.43	74.97	30.00	77.83	31.72	
50.00	37.71	20.74	43.51	23.91	49.31	27.37	58.01	29.73	59.75	30.62	60.91	31.21	63.23	33.00	
110%	-5.00	58.61	15.55	67.63	17.21	76.65	19.70	90.18	20.74	92.88	21.36	94.69	21.78	98.29	23.02
	0.00	58.61	15.55	67.63	17.21	76.65	19.70	90.18	20.74	92.88	21.36	94.69	21.78	98.29	23.02
	5.00	58.61	15.55	67.63	17.21	76.65	19.70	90.18	20.74	92.88	21.36	94.69	21.78	98.29	23.02
	10.00	58.05	15.55	66.98	17.21	75.91	19.70	89.30	20.74	91.98	21.36	93.77	21.78	97.34	23.02
	15.00	58.05	15.73	66.98	17.40	75.91	19.92	89.30	20.97	91.98	21.60	93.77	22.02	97.34	23.28
	20.00	59.75	15.55	68.95	17.21	78.14	19.70	91.93	20.74	94.69	21.36	96.52	21.78	100.20	23.02
	25.00	58.05	15.90	66.98	17.60	75.91	20.14	89.30	21.20	91.98	21.84	93.77	22.26	97.34	23.53
	30.00	58.61	16.42	67.63	18.17	76.65	20.80	90.18	21.89	92.88	22.55	94.69	22.99	98.29	24.30
	35.00	56.91	17.28	65.66	19.13	74.42	21.89	87.55	23.04	90.18	23.73	91.93	24.20	95.43	25.58
	39.00	54.63	17.80	63.04	20.46	71.44	23.42	84.05	24.20	86.57	24.92	88.25	25.40	91.61	26.86
	41.00	53.49	17.97	61.72	21.04	69.95	24.08	82.30	24.66	84.77	25.40	86.41	25.89	89.70	27.37
	43.00	52.35	18.15	60.41	21.99	68.46	25.17	80.55	25.12	82.96	25.87	84.57	26.37	87.80	27.88
46.00	45.53	19.87	52.53	23.72	59.53	27.14	70.04	28.57	72.14	29.43	73.54	30.00	76.34	31.72	
50.00	36.99	20.74	42.68	23.91	48.37	27.36	56.91	29.73	58.61	30.62	59.75	31.21	62.03	33.00	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT030S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	56.91	15.32	65.66	16.96	74.42	19.41	87.55	20.43	90.18	21.05	91.93	21.45	95.43	22.68		
	0.00	56.91	15.32	65.66	16.96	74.42	19.41	87.55	20.43	90.18	21.05	91.93	21.45	95.43	22.68		
	5.00	56.91	15.32	65.66	16.96	74.42	19.41	87.55	20.43	90.18	21.05	91.93	21.45	95.43	22.68		
	10.00	56.36	15.32	65.03	16.96	73.70	19.41	86.70	20.43	89.30	21.05	91.04	21.45	94.50	22.68		
	15.00	56.36	15.49	65.03	17.15	73.70	19.63	86.70	20.66	89.30	21.28	91.04	21.69	94.50	22.93		
	20.00	58.01	15.32	66.94	16.96	75.86	19.41	89.25	20.43	91.93	21.05	93.71	21.45	97.28	22.68		
	25.00	56.36	15.66	65.03	17.34	73.70	19.84	86.70	20.89	89.30	21.51	91.04	21.93	94.50	23.18		
	30.00	56.91	16.18	65.66	17.90	74.42	20.49	87.55	21.57	90.18	22.21	91.93	22.65	95.43	23.94		
	35.00	55.25	17.03	63.75	18.84	72.25	21.57	85.00	22.70	87.55	23.38	89.25	23.84	92.65	25.20		
	39.00	53.04	17.54	61.20	20.16	69.36	23.08	81.60	23.84	84.05	24.55	85.68	25.03	88.94	26.46		
	41.00	51.94	17.71	59.93	20.73	67.92	23.72	79.90	24.29	82.30	25.02	83.90	25.51	87.09	26.96		
	43.00	50.83	17.88	58.65	21.67	66.47	24.80	78.20	24.75	80.55	25.49	82.11	25.98	85.24	27.47		
46.00	44.20	19.58	51.00	23.37	57.80	26.74	68.00	28.15	70.04	29.00	71.40	29.56	74.12	31.25			
50.00	35.91	20.43	41.44	23.55	46.96	26.96	55.25	29.29	56.91	30.16	58.01	30.75	60.22	32.51			
90%	-5.00	51.22	12.41	59.10	13.74	66.98	15.72	78.80	16.55	81.16	17.05	82.73	17.38	85.89	18.37		
	0.00	51.22	12.41	59.10	13.74	66.98	15.72	78.80	16.55	81.16	17.05	82.73	17.38	85.89	18.37		
	5.00	51.22	12.41	59.10	13.74	66.98	15.72	78.80	16.55	81.16	17.05	82.73	17.38	85.89	18.37		
	10.00	50.72	12.41	58.52	13.74	66.33	15.72	78.03	16.55	80.37	17.05	81.93	17.38	85.05	18.37		
	15.00	50.72	12.55	58.52	13.89	66.33	15.90	78.03	16.73	80.37	17.24	81.93	17.57	85.05	18.57		
	20.00	52.21	12.41	60.24	13.74	68.28	15.72	80.33	16.55	82.73	17.05	84.34	17.38	87.55	18.37		
	25.00	50.72	12.69	58.52	14.04	66.33	16.07	78.03	16.92	80.37	17.43	81.93	17.76	85.05	18.78		
	30.00	51.22	13.10	59.10	14.50	66.98	16.60	78.80	17.47	81.16	17.99	82.73	18.34	85.89	19.39		
	35.00	49.73	13.79	57.38	15.26	65.03	17.47	76.50	18.39	78.80	18.94	80.33	19.31	83.39	20.41		
	39.00	47.74	14.21	55.08	16.33	62.42	18.69	73.44	19.31	75.64	19.89	77.11	20.27	80.05	21.43		
	41.00	46.74	14.34	53.93	16.79	61.12	19.22	71.91	19.68	74.07	20.27	75.51	20.66	78.38	21.84		
	43.00	45.75	14.48	52.79	17.55	59.82	20.09	70.38	20.04	72.49	20.65	73.90	21.05	76.71	22.25		
46.00	42.54	15.27	49.09	18.22	55.64	20.86	65.45	21.96	67.42	22.62	68.73	23.06	71.34	24.37			
50.00	40.26	16.55	46.45	19.08	52.64	21.84	61.93	23.72	63.79	24.43	65.03	24.91	67.51	26.33			
80%	-5.00	45.53	10.88	53.15	12.04	60.23	13.78	70.86	14.51	72.99	14.94	74.41	15.23	77.24	16.10		
	0.00	45.53	10.88	53.15	12.04	60.23	13.78	70.86	14.51	72.99	14.94	74.41	15.23	77.24	16.10		
	5.00	45.53	10.88	53.15	12.04	60.23	13.78	70.86	14.51	72.99	14.94	74.41	15.23	77.24	16.10		
	10.00	45.08	10.88	52.63	12.04	59.65	13.78	70.18	14.51	72.28	14.94	73.68	15.23	76.49	16.10		
	15.00	45.08	11.00	52.63	12.17	59.65	13.93	70.18	14.67	72.28	15.11	73.68	15.40	76.49	16.28		
	20.00	46.41	10.88	54.18	12.04	61.40	13.78	72.24	14.51	74.41	14.94	75.85	15.23	78.74	16.10		
	25.00	45.08	11.12	52.63	12.31	59.65	14.09	70.18	14.83	72.28	15.27	73.68	15.57	76.49	16.46		
	30.00	46.66	11.48	53.84	12.71	61.02	14.55	71.79	15.31	73.94	15.77	75.38	16.08	78.25	17.00		
	35.00	45.31	12.09	52.28	13.38	59.25	15.31	69.70	15.46	71.79	15.93	73.19	16.24	75.97	17.17		
	39.00	43.49	12.45	50.18	14.32	56.88	16.38	66.91	16.24	68.92	16.72	70.26	17.05	72.93	18.02		
	41.00	42.59	12.57	49.14	14.72	55.69	16.84	65.52	17.25	67.48	17.76	68.79	18.11	71.41	19.14		
	43.00	41.68	12.69	48.09	15.39	54.51	17.61	64.12	17.57	66.05	18.10	67.33	18.45	69.90	19.50		
46.00	39.34	13.71	45.39	16.36	51.44	18.72	60.52	19.71	62.34	20.30	63.55	20.69	65.97	21.87			
50.00	33.40	13.89	38.54	16.02	43.68	18.33	51.38	19.91	52.92	20.51	53.95	20.91	56.01	22.11			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT030S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5.00	40.44	9.19	46.66	10.18	52.88	11.65	62.21	12.26	64.08	12.63	65.81	12.87	68.32	13.61		
	0.00	40.44	9.19	46.66	10.18	52.88	11.65	62.21	12.26	64.08	12.63	65.81	12.87	68.32	13.61		
	5.00	40.44	9.19	46.66	10.18	52.88	11.65	62.21	12.26	64.08	12.63	65.81	12.87	68.32	13.61		
	10.00	40.05	9.19	46.21	10.18	52.37	11.65	61.61	12.26	63.46	12.63	65.17	12.87	67.65	13.61		
	15.00	40.05	9.30	46.21	10.29	52.37	11.78	61.61	12.40	63.46	12.77	65.17	13.02	67.65	13.76		
	20.00	41.22	9.19	47.57	10.18	53.91	11.65	63.42	12.26	65.32	12.63	67.09	12.87	69.64	13.61		
	25.00	40.05	9.40	46.21	10.40	52.37	11.91	61.61	12.53	63.46	12.91	65.17	13.16	67.65	13.91		
	30.00	40.44	9.71	46.66	10.74	52.88	12.29	62.21	12.94	64.08	13.33	65.81	13.59	68.32	14.36		
	35.00	39.26	10.22	45.30	11.31	51.34	12.94	60.40	13.62	62.21	14.03	63.89	14.30	66.33	15.12		
	39.00	37.69	10.52	43.49	12.10	49.29	13.85	57.98	14.30	59.72	14.73	61.34	15.02	63.67	15.88		
	41.00	36.90	10.62	42.58	12.44	48.26	14.23	56.78	14.57	58.48	15.01	60.06	15.30	62.35	16.18		
	43.00	36.12	10.73	41.68	13.00	47.23	14.88	55.57	14.85	57.24	15.29	58.78	15.59	61.02	16.48		
46.00	35.31	11.54	40.74	13.78	46.17	15.77	54.32	16.60	55.95	17.10	55.15	17.43	57.25	18.42			
50.00	28.35	11.94	32.71	13.76	37.07	15.76	43.62	17.12	44.92	17.63	44.26	17.97	45.95	19.00			
60%	-5.00	34.75	7.66	40.09	8.48	45.44	9.71	53.87	10.22	55.49	10.52	57.05	10.73	59.22	11.34		
	0.00	34.75	7.66	40.09	8.48	45.44	9.71	53.87	10.22	55.49	10.52	57.05	10.73	59.22	11.34		
	5.00	34.75	7.66	40.09	8.48	45.44	9.71	53.87	10.22	55.49	10.52	57.05	10.73	59.22	11.34		
	10.00	34.41	7.66	39.70	8.48	45.00	9.71	53.35	10.22	54.95	10.52	56.50	10.73	58.65	11.34		
	15.00	34.41	7.75	39.70	8.57	45.00	9.81	53.35	10.33	54.95	10.64	56.50	10.85	58.65	11.47		
	20.00	35.42	7.66	40.87	8.48	46.32	9.71	54.92	10.22	56.56	10.52	58.16	10.73	60.37	11.34		
	25.00	34.41	7.83	39.70	8.67	45.00	9.92	53.35	10.44	54.95	10.76	56.50	10.97	58.65	11.59		
	30.00	34.75	8.09	40.09	8.95	45.44	10.24	53.87	10.78	55.49	11.11	57.05	11.32	59.22	11.97		
	35.00	33.74	8.51	38.93	9.42	44.12	10.78	52.30	11.35	53.87	11.69	55.39	11.92	57.50	12.60		
	39.00	32.39	8.77	37.37	10.08	42.35	11.54	50.21	11.92	51.71	12.28	53.17	12.51	55.20	13.23		
	41.00	31.71	8.85	36.59	10.36	41.47	11.86	49.16	12.15	50.64	12.51	52.06	12.75	54.05	13.48		
	43.00	31.04	8.94	35.81	10.83	40.59	12.40	48.12	12.37	49.56	12.74	50.96	12.99	52.90	13.73		
46.00	29.87	9.79	34.47	11.68	39.07	13.37	44.36	13.81	45.69	14.22	44.31	14.50	46.00	15.32			
50.00	24.61	9.81	28.40	11.31	32.18	12.94	36.30	14.06	37.66	14.19	36.55	14.46	37.94	15.29			
50%	-5.00	28.45	6.13	32.83	6.78	37.21	7.76	43.78	8.17	45.09	8.42	45.96	8.58	47.71	9.07		
	0.00	28.45	6.13	32.83	6.78	37.21	7.76	43.78	8.17	45.09	8.42	45.96	8.58	47.71	9.07		
	5.00	28.45	6.13	32.83	6.78	37.21	7.76	43.78	8.17	45.09	8.42	45.96	8.58	47.71	9.07		
	10.00	28.18	6.13	32.51	6.78	36.85	7.76	43.35	8.17	44.65	8.42	45.52	8.58	47.25	9.07		
	15.00	28.18	6.20	32.51	6.86	36.85	7.85	43.35	8.26	44.65	8.51	45.52	8.68	47.25	9.17		
	20.00	29.01	6.13	33.47	6.78	37.93	7.76	44.63	8.17	45.96	8.42	46.86	8.58	48.64	9.07		
	25.00	28.18	6.27	32.51	6.93	36.85	7.94	43.35	8.35	44.65	8.61	45.52	8.77	47.25	9.27		
	30.00	28.45	6.47	32.83	7.16	37.21	8.20	43.78	8.63	45.09	8.89	45.96	9.06	47.71	9.58		
	35.00	27.63	6.81	31.88	7.54	36.13	8.63	42.50	9.08	43.78	9.35	44.63	9.54	46.33	10.08		
	39.00	26.52	7.02	30.60	8.06	34.68	9.23	40.80	9.54	42.02	9.82	42.84	10.01	44.47	10.58		
	41.00	25.97	7.08	29.96	8.29	33.96	9.49	39.95	9.72	41.15	10.01	41.95	10.20	43.55	10.79		
	43.00	25.42	7.15	29.33	8.67	33.24	9.92	39.10	9.90	40.27	10.20	41.06	10.39	42.62	10.99		
46.00	24.14	7.44	27.86	8.88	31.57	10.16	37.15	10.70	38.26	11.02	39.00	11.23	40.49	11.87			
50.00	23.38	7.76	26.98	8.95	30.58	10.24	35.97	11.13	37.05	11.46	37.77	11.69	39.21	12.35			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT032S73HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	64.47	16.25	74.39	17.98	84.31	20.58	99.19	21.66	102.16	22.31	104.15	22.75	108.12	24.05
	0.00	64.47	16.25	74.39	17.98	84.31	20.58	99.19	21.66	102.16	22.31	104.15	22.75	108.12	24.05
	5.00	64.47	16.25	74.39	17.98	84.31	20.58	99.19	21.66	102.16	22.31	104.15	22.75	108.12	24.05
	10.00	63.85	16.25	73.67	17.98	83.49	20.58	98.23	21.66	101.17	22.31	103.14	22.75	107.07	24.05
	15.00	63.85	16.43	73.67	18.18	83.49	20.81	98.23	21.91	101.17	22.56	103.14	23.00	107.07	24.32
	20.00	65.72	16.25	75.84	17.98	85.95	8.86	101.12	8.86	104.15	8.86	106.17	8.86	110.22	24.05
	25.00	63.85	16.61	73.67	18.38	83.49	21.04	98.23	22.15	101.17	22.81	103.14	23.25	107.07	24.58
	30.00	64.47	17.15	74.39	18.98	84.31	21.72	99.19	22.87	102.16	23.55	104.15	24.01	108.12	25.38
	35.00	62.60	18.05	72.23	19.98	81.86	22.87	96.30	24.07	99.19	24.79	101.12	25.28	104.97	26.72
	39.00	60.09	18.60	69.34	21.38	78.58	24.47	92.45	25.28	95.22	26.03	97.07	26.54	100.77	28.06
	41.00	58.84	18.96	67.89	22.19	76.94	25.40	90.52	26.01	93.24	26.79	95.05	27.31	98.67	28.87
	43.00	57.59	19.14	66.45	23.20	75.31	26.56	88.60	26.50	91.25	27.29	93.03	27.82	96.57	29.41
	46.00	50.08	20.97	57.78	25.02	65.48	28.63	77.04	30.14	79.35	31.05	80.89	31.65	83.97	33.46
50.00	40.69	21.88	46.95	25.22	53.21	28.87	62.60	31.36	64.47	32.30	65.72	32.93	68.23	34.81	
120%	-5.00	63.27	16.25	73.00	17.98	82.73	20.58	97.34	21.66	100.26	22.31	102.20	22.75	106.10	24.05
	0.00	63.27	16.25	73.00	17.98	82.73	20.58	97.34	21.66	100.26	22.31	102.20	22.75	106.10	24.05
	5.00	63.27	16.25	73.00	17.98	82.73	20.58	97.34	21.66	100.26	22.31	102.20	22.75	106.10	24.05
	10.00	62.65	16.25	72.29	17.98	81.93	20.58	96.39	21.66	99.28	22.31	101.21	22.75	105.07	24.05
	15.00	62.65	16.43	72.29	18.18	81.93	20.81	96.39	21.91	99.28	22.56	101.21	23.00	105.07	24.32
	20.00	64.50	16.25	74.42	17.98	84.34	20.58	99.23	21.66	102.20	22.31	104.19	22.75	108.16	24.05
	25.00	62.65	16.61	72.29	18.38	81.93	21.04	96.39	22.15	99.28	22.81	101.21	23.25	105.07	24.58
	30.00	63.27	17.15	73.00	18.98	82.73	21.72	97.34	22.87	100.26	23.55	102.20	24.01	106.10	25.38
	35.00	61.43	18.05	70.88	19.98	80.33	22.87	94.50	24.07	97.34	24.79	99.23	25.28	103.01	26.72
	39.00	58.97	18.51	68.04	21.28	77.11	24.35	90.72	25.15	93.44	8.04	95.26	13.67	98.88	27.92
	41.00	57.74	18.69	66.62	21.87	75.51	25.03	88.83	25.63	91.49	26.40	93.27	26.92	96.82	28.45
	43.00	56.51	18.87	65.21	22.87	73.90	26.17	86.94	26.11	89.55	26.90	91.29	27.42	94.76	28.98
	46.00	49.14	20.66	56.70	24.66	64.26	28.22	75.60	29.71	77.87	30.60	79.38	31.19	82.40	32.97
50.00	39.93	21.56	46.07	24.85	52.21	28.45	61.43	30.90	63.27	31.83	64.50	32.45	66.95	34.30	
110%	-5.00	62.06	16.17	71.61	17.89	81.16	20.48	95.48	21.56	98.35	22.21	100.26	22.64	104.07	23.93
	0.00	62.06	16.17	71.61	17.89	81.16	20.48	95.48	21.56	98.35	22.21	100.26	22.64	104.07	23.93
	5.00	62.06	16.17	71.61	17.89	81.16	20.48	95.48	21.56	98.35	22.21	100.26	22.64	104.07	23.93
	10.00	61.46	16.17	70.92	17.89	80.37	20.48	94.55	21.56	97.39	22.21	99.28	22.64	103.06	23.93
	15.00	61.46	16.35	70.92	18.09	80.37	20.71	94.55	21.80	97.39	22.45	99.28	22.89	103.06	24.20
	20.00	63.27	16.17	73.00	17.89	82.73	20.48	97.34	21.56	100.26	22.21	102.20	22.64	106.10	23.93
	25.00	61.46	16.53	70.92	18.29	80.37	20.94	94.55	22.04	97.39	22.70	99.28	23.14	103.06	24.46
	30.00	62.06	17.07	71.61	18.89	81.16	21.62	95.48	22.76	98.35	23.44	100.26	23.89	104.07	25.26
	35.00	60.26	17.97	69.53	19.88	78.80	22.76	92.70	23.95	95.48	24.67	97.34	25.15	101.04	26.59
	39.00	57.84	18.50	66.74	21.27	75.64	24.35	88.99	25.15	91.66	25.91	93.44	26.41	97.00	27.92
	41.00	56.64	18.68	65.35	21.87	74.07	25.03	87.14	25.63	89.75	26.40	91.49	26.91	94.98	28.45
	43.00	55.43	18.86	63.96	22.86	72.49	26.17	85.28	26.11	87.84	26.89	89.55	27.42	92.96	28.98
	46.00	48.20	20.66	55.62	24.65	63.04	28.22	74.16	29.70	76.38	30.59	77.87	31.19	80.83	32.97
50.00	39.17	21.56	45.19	24.85	51.22	28.45	60.26	30.90	62.06	31.83	63.27	32.45	65.68	34.30	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT032S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	60.26	15.93	69.53	17.63	78.80	20.18	92.70	21.24	95.48	21.88	97.34	22.30	101.04	23.58		
	0.00	60.26	15.93	69.53	17.63	78.80	20.18	92.70	21.24	95.48	21.88	97.34	22.30	101.04	23.58		
	5.00	60.26	15.93	69.53	17.63	78.80	20.18	92.70	21.24	95.48	21.88	97.34	22.30	101.04	23.58		
	10.00	59.67	15.93	68.85	17.63	78.03	20.18	91.80	21.24	94.55	21.88	96.39	22.30	100.06	23.58		
	15.00	59.67	16.11	68.85	17.83	78.03	20.40	91.80	21.48	94.55	22.12	96.39	22.55	100.06	23.84		
	20.00	61.43	15.93	70.88	17.63	80.33	20.18	94.50	21.24	97.34	21.88	99.23	22.30	103.01	23.58		
	25.00	59.67	16.28	68.85	18.02	78.03	20.63	91.80	21.71	94.55	22.36	96.39	22.80	100.06	24.10		
	30.00	60.26	16.82	69.53	18.61	78.80	21.30	92.70	22.42	95.48	23.09	97.34	23.54	101.04	24.89		
	35.00	58.50	17.70	67.50	19.59	76.50	22.42	90.00	23.60	92.70	24.31	94.50	24.78	98.10	26.20		
	39.00	56.16	18.23	64.80	20.96	73.44	23.99	86.40	24.78	88.99	25.52	90.72	26.02	94.18	27.51		
	41.00	54.99	18.41	63.45	21.55	71.91	24.66	84.60	25.25	87.14	26.01	88.83	26.51	92.21	28.03		
	43.00	53.82	18.59	62.10	22.53	70.38	25.78	82.80	25.72	85.28	26.50	86.94	27.01	90.25	28.55		
46.00	46.80	20.36	54.00	24.29	61.20	27.80	72.00	29.26	74.16	30.14	75.60	30.73	78.48	32.48			
50.00	38.03	21.24	43.88	24.49	49.73	28.03	58.50	30.44	60.26	31.36	61.43	31.97	63.77	33.79			
90%	-5.00	54.23	12.90	62.57	14.28	70.92	16.34	83.43	17.20	85.93	17.72	87.60	18.06	90.94	19.10		
	0.00	54.23	12.90	62.57	14.28	70.92	16.34	83.43	17.20	85.93	17.72	87.60	18.06	90.94	19.10		
	5.00	54.23	12.90	62.57	14.28	70.92	16.34	83.43	17.20	85.93	17.72	87.60	18.06	90.94	19.10		
	10.00	53.70	12.90	61.97	14.28	70.23	16.34	82.62	17.20	85.10	17.72	86.75	18.06	90.06	19.10		
	15.00	53.70	13.05	61.97	14.44	70.23	16.53	82.62	17.40	85.10	17.92	86.75	18.27	90.06	19.31		
	20.00	55.28	12.90	63.79	14.28	72.29	16.34	85.05	17.20	87.60	17.72	89.30	18.06	92.70	19.10		
	25.00	53.70	13.19	61.97	14.60	70.23	16.71	82.62	17.59	85.10	18.11	86.75	18.47	90.06	19.52		
	30.00	54.23	13.62	62.57	15.07	70.92	17.25	83.43	18.16	85.93	18.71	87.60	19.07	90.94	20.16		
	35.00	52.65	14.34	60.75	15.87	68.85	18.16	81.00	19.12	83.43	19.69	85.05	20.07	88.29	21.22		
	39.00	50.54	14.77	58.32	16.98	66.10	19.43	77.76	20.07	80.09	20.67	81.65	21.08	84.76	22.28		
	41.00	49.49	14.91	57.11	17.45	64.72	19.98	76.14	20.45	78.42	21.07	79.95	21.48	82.99	22.70		
	43.00	48.44	15.05	55.89	18.25	63.34	20.88	74.52	20.84	76.76	21.46	78.25	21.88	81.23	23.13		
46.00	45.05	15.88	51.98	18.95	58.91	21.68	69.30	22.83	71.38	23.51	72.77	23.97	75.54	25.34			
50.00	42.63	17.20	49.18	19.83	55.74	22.70	65.58	24.66	67.54	25.40	68.86	25.89	71.48	27.37			
80%	-5.00	48.20	11.31	55.62	12.52	63.04	14.33	74.16	15.08	76.38	15.53	77.87	15.83	80.83	16.74		
	0.00	48.20	11.31	55.62	12.52	63.04	14.33	74.16	15.08	76.38	15.53	77.87	15.83	80.83	16.74		
	5.00	48.20	11.31	55.62	12.52	63.04	14.33	74.16	15.08	76.38	15.53	77.87	15.83	80.83	16.74		
	10.00	47.74	11.31	55.08	12.52	62.42	14.33	73.44	15.08	75.64	15.53	77.11	15.83	80.05	16.74		
	15.00	47.74	11.44	55.08	12.66	62.42	14.49	73.44	15.25	75.64	15.71	77.11	16.01	80.05	16.93		
	20.00	49.14	11.31	56.70	12.52	64.26	14.33	75.60	15.08	77.87	15.53	79.38	15.83	82.40	16.74		
	25.00	47.74	11.56	55.08	12.79	62.42	14.64	73.44	15.42	75.64	15.88	77.11	16.19	80.05	17.11		
	30.00	49.41	11.94	57.01	13.21	64.61	15.12	76.01	15.92	78.29	16.40	79.81	16.71	82.86	17.67		
	35.00	47.97	12.57	55.35	13.91	62.73	15.92	73.80	16.76	76.01	17.26	77.49	17.59	80.44	18.60		
	39.00	46.05	12.94	53.14	14.88	60.22	17.03	70.85	17.59	72.97	18.12	74.39	18.47	77.22	19.53		
	41.00	45.09	13.07	52.03	15.30	58.97	17.51	69.37	17.93	71.45	18.47	72.84	18.83	75.62	19.90		
	43.00	44.13	13.20	50.92	15.99	57.71	18.31	67.90	18.26	69.93	18.81	71.29	19.18	74.01	20.27		
46.00	41.65	14.25	48.06	17.00	54.47	19.46	64.08	20.48	66.00	21.10	67.28	21.51	69.85	22.74			
50.00	35.36	14.44	40.80	16.65	46.24	19.06	54.41	20.70	56.04	21.32	57.13	21.74	59.30	22.98			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT032S73HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	43.38	9.56	50.06	10.58	56.73	12.11	66.74	12.74	68.75	13.13	71.05	13.38	73.76	14.15
	0.00	43.38	9.56	50.06	10.58	56.73	12.11	66.74	12.74	68.75	13.13	71.05	13.38	73.76	14.15
	5.00	43.38	9.56	50.06	10.58	56.73	12.11	66.74	12.74	68.75	13.13	71.05	13.38	73.76	14.15
	10.00	42.96	9.56	49.57	10.58	56.18	12.11	66.10	12.74	68.08	13.13	70.36	13.38	73.05	14.15
	15.00	42.96	9.66	49.57	10.70	56.18	12.24	66.10	12.89	68.08	13.27	70.36	13.53	73.05	14.30
	20.00	44.23	9.56	51.03	10.58	57.83	12.11	68.04	12.74	70.08	13.13	72.43	13.38	75.19	14.15
	25.00	42.96	9.77	49.57	10.81	56.18	12.38	66.10	13.03	68.08	13.42	70.36	13.68	73.05	14.46
	30.00	43.38	10.09	50.06	11.17	56.73	12.78	66.74	13.45	68.75	13.86	71.05	14.12	73.76	14.93
	35.00	42.12	10.62	48.60	11.75	55.08	13.45	64.80	14.16	66.74	14.58	68.99	14.87	71.61	15.72
	39.00	40.44	10.94	46.66	12.58	52.88	14.39	62.21	14.87	64.07	15.31	66.23	15.61	68.75	16.50
	41.00	39.59	11.04	45.68	12.93	51.78	14.80	60.91	15.15	62.74	15.61	64.85	15.91	67.32	16.82
	43.00	38.75	11.15	44.71	13.52	50.67	15.47	59.62	15.43	61.40	15.90	63.47	16.21	65.88	17.13
46.00	36.50	11.81	42.12	14.09	47.74	16.12	56.16	16.97	57.84	17.48	55.19	17.82	57.29	18.84	
50.00	29.66	12.11	34.22	13.96	38.79	15.97	45.63	17.35	47.00	17.87	44.84	18.22	46.55	19.26	
60%	-5.00	37.36	7.97	43.11	8.81	48.85	10.09	57.47	10.62	59.20	10.94	61.32	11.15	63.66	11.79
	0.00	37.36	7.97	43.11	8.81	48.85	10.09	57.47	10.62	59.20	10.94	61.32	11.15	63.66	11.79
	5.00	37.36	7.97	43.11	8.81	48.85	10.09	57.47	10.62	59.20	10.94	61.32	11.15	63.66	11.79
	10.00	37.00	7.97	42.69	8.81	48.38	10.09	56.92	10.62	58.62	10.94	60.73	11.15	63.04	11.79
	15.00	37.00	8.05	42.69	8.91	48.38	10.20	56.92	10.74	58.62	11.06	60.73	11.27	63.04	11.92
	20.00	38.08	7.97	43.94	8.81	49.80	10.09	58.59	10.62	60.35	10.94	62.51	11.15	64.89	11.79
	25.00	37.00	8.14	42.69	9.01	48.38	10.31	56.92	10.86	58.62	11.18	60.73	11.40	63.04	12.05
	30.00	37.36	8.41	43.11	9.30	48.85	10.65	57.47	11.21	59.20	11.55	61.32	11.77	63.66	12.44
	35.00	36.27	8.85	41.85	9.79	47.43	11.21	55.80	11.80	57.47	12.15	59.54	12.39	61.80	13.10
	39.00	34.82	9.12	40.18	10.48	45.53	11.99	53.57	12.39	55.18	12.76	57.15	13.01	59.33	13.75
	41.00	34.09	9.20	39.34	10.77	44.58	12.33	52.45	12.63	54.03	13.00	55.96	13.26	58.09	14.01
	43.00	33.37	9.29	38.50	11.26	43.64	12.89	51.34	12.86	52.88	13.25	54.77	13.51	56.86	14.28
46.00	32.29	10.18	37.26	12.14	42.23	13.90	49.68	14.63	51.17	15.07	47.63	15.36	49.44	16.24	
50.00	26.24	10.20	30.27	11.75	34.31	13.45	40.37	14.61	41.58	15.05	38.70	15.34	40.17	16.22	
50%	-5.00	30.13	6.37	34.76	7.05	39.40	8.07	46.35	8.50	47.74	8.75	48.67	8.92	50.52	9.43
	0.00	30.13	6.37	34.76	7.05	39.40	8.07	46.35	8.50	47.74	8.75	48.67	8.92	50.52	9.43
	5.00	30.13	6.37	34.76	7.05	39.40	8.07	46.35	8.50	47.74	8.75	48.67	8.92	50.52	9.43
	10.00	29.84	6.37	34.43	7.05	39.02	8.07	45.90	8.50	47.28	8.75	48.20	8.92	50.03	9.43
	15.00	29.84	6.44	34.43	7.13	39.02	8.16	45.90	8.59	47.28	8.85	48.20	9.02	50.03	9.54
	20.00	30.71	6.37	35.44	7.05	40.16	8.07	47.25	8.50	48.67	8.75	49.61	8.92	51.50	9.43
	25.00	29.84	6.51	34.43	7.21	39.02	8.25	45.90	8.68	47.28	8.95	48.20	9.12	50.03	9.64
	30.00	30.13	6.73	34.76	7.44	39.40	8.52	46.35	8.97	47.74	9.24	48.67	9.42	50.52	9.95
	35.00	29.25	7.08	33.75	7.84	38.25	8.97	45.00	9.44	46.35	9.72	47.25	9.91	49.05	10.48
	39.00	28.08	7.29	32.40	8.38	36.72	9.60	43.20	9.91	44.50	10.21	45.36	10.41	47.09	11.00
	41.00	27.50	7.36	31.73	8.62	35.96	9.86	42.30	10.10	43.57	10.40	44.42	10.61	46.11	11.21
	43.00	26.91	7.43	31.05	9.01	35.19	10.31	41.40	10.29	42.64	10.60	43.47	10.80	45.13	11.42
46.00	25.56	7.73	29.50	9.23	33.43	10.56	39.33	11.12	40.51	11.45	41.30	11.68	42.87	12.34	
50.00	24.76	8.07	28.57	9.30	32.37	10.65	38.09	11.57	39.23	11.92	39.99	12.15	41.52	12.84	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

		38VT034S73HQSS										Cooling Capacity			
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	68.34	17.97	78.86	19.89	89.37	22.76	105.14	23.96	108.29	24.68	110.40	25.16	114.60	26.60
	0.00	68.34	17.97	78.86	19.89	89.37	22.76	105.14	23.96	108.29	24.68	110.40	25.16	114.60	26.60
	5.00	68.34	17.97	78.86	19.89	89.37	22.76	105.14	23.96	108.29	24.68	110.40	25.16	114.60	26.60
	10.00	67.68	17.97	78.09	19.89	88.50	22.76	104.12	23.96	107.24	24.68	109.33	25.16	113.49	26.60
	15.00	67.68	18.17	78.09	20.11	88.50	23.01	104.12	24.23	107.24	24.95	109.33	25.44	113.49	26.89
	20.00	69.67	17.97	80.39	19.89	91.10	8.86	107.18	8.86	110.40	8.86	112.54	8.86	116.83	26.60
	25.00	67.68	18.37	78.09	20.33	88.50	23.27	104.12	24.49	107.24	25.23	109.33	25.72	113.49	27.19
	30.00	68.34	18.97	78.86	20.99	89.37	24.03	105.14	25.29	108.29	26.05	110.40	26.56	114.60	28.07
	35.00	66.35	19.97	76.56	22.10	86.77	25.29	102.08	26.62	105.14	27.42	107.18	27.95	111.27	29.55
	39.00	63.70	20.57	73.50	23.64	83.30	27.06	97.99	27.95	100.93	28.79	102.89	29.35	106.81	31.03
	41.00	62.37	20.97	71.96	24.54	81.56	28.09	95.95	28.76	98.83	29.63	100.75	30.20	104.59	31.93
	43.00	61.04	21.17	70.43	25.66	79.82	29.37	93.91	29.30	96.73	30.18	98.61	30.77	102.36	32.53
46.00	53.08	23.19	61.25	27.67	69.41	31.67	81.66	33.33	84.11	34.33	85.75	35.00	89.01	37.00	
50.00	43.13	24.19	49.76	27.89	56.40	31.92	66.35	34.68	68.34	35.72	69.67	36.41	72.32	38.49	
120%	-5.00	67.06	17.97	77.38	19.89	87.70	22.76	103.18	23.96	106.27	24.68	108.33	25.16	112.46	26.60
	0.00	67.06	17.97	77.38	19.89	87.70	22.76	103.18	23.96	106.27	24.68	108.33	25.16	112.46	26.60
	5.00	67.06	17.97	77.38	19.89	87.70	22.76	103.18	23.96	106.27	24.68	108.33	25.16	112.46	26.60
	10.00	66.41	17.97	76.63	19.89	86.85	22.76	102.17	23.96	105.24	24.68	107.28	25.16	111.37	26.60
	15.00	66.41	18.17	76.63	20.11	86.85	23.01	102.17	24.23	105.24	24.95	107.28	25.44	111.37	26.89
	20.00	68.37	17.97	78.88	19.89	89.40	22.76	105.18	23.96	108.33	24.68	110.44	25.16	114.64	26.60
	25.00	66.41	18.37	76.63	20.33	86.85	23.27	102.17	24.49	105.24	25.23	107.28	25.72	111.37	27.19
	30.00	67.06	18.97	77.38	20.99	87.70	24.03	103.18	25.29	106.27	26.05	108.33	26.56	112.46	28.07
	35.00	65.11	19.97	75.13	22.10	85.14	25.29	100.17	26.62	103.18	27.42	105.18	27.95	109.19	29.55
	39.00	62.51	20.47	72.12	23.53	81.74	26.93	96.16	27.82	99.05	8.04	100.97	13.67	104.82	30.88
	41.00	61.20	20.67	70.62	24.19	80.04	27.69	94.16	28.35	96.98	29.20	98.87	29.77	102.63	31.47
	43.00	59.90	20.86	69.12	25.29	78.33	28.94	92.16	28.88	94.92	29.74	96.76	30.32	100.45	32.06
46.00	52.09	22.85	60.10	27.27	68.12	31.21	80.14	32.85	82.54	33.84	84.14	34.50	87.35	36.47	
50.00	42.32	23.84	48.83	27.49	55.34	31.46	65.11	34.18	67.06	35.20	68.37	35.89	70.97	37.94	
110%	-5.00	65.79	17.88	75.91	19.79	86.03	22.65	101.21	23.84	104.25	24.56	106.27	25.03	110.32	26.47
	0.00	65.79	17.88	75.91	19.79	86.03	22.65	101.21	23.84	104.25	24.56	106.27	25.03	110.32	26.47
	5.00	65.79	17.88	75.91	19.79	86.03	22.65	101.21	23.84	104.25	24.56	106.27	25.03	110.32	26.47
	10.00	65.15	17.88	75.17	19.79	85.19	22.65	100.23	23.84	103.23	24.56	105.24	25.03	109.25	26.47
	15.00	65.15	18.08	75.17	20.01	85.19	22.90	100.23	24.11	103.23	24.83	105.24	25.31	109.25	26.76
	20.00	67.06	17.88	77.38	19.79	87.70	22.65	103.18	23.84	106.27	24.56	108.33	25.03	112.46	26.47
	25.00	65.15	18.28	75.17	20.23	85.19	23.15	100.23	24.37	103.23	25.10	105.24	25.59	109.25	27.05
	30.00	65.79	18.88	75.91	20.89	86.03	23.91	101.21	25.17	104.25	25.92	106.27	26.43	110.32	27.94
	35.00	63.87	19.87	73.70	21.99	83.52	25.17	98.26	26.49	101.21	27.29	103.18	27.82	107.11	29.41
	39.00	61.32	20.46	70.75	23.53	80.18	26.93	94.33	27.82	97.16	28.65	99.05	29.21	102.82	30.88
	41.00	60.04	20.66	69.27	24.19	78.51	27.68	92.37	28.35	95.14	29.20	96.98	29.76	100.68	31.46
	43.00	58.76	20.86	67.80	25.29	76.84	28.94	90.40	28.88	93.11	29.74	94.92	30.32	98.54	32.05
46.00	51.10	22.85	58.96	27.27	66.82	31.21	78.61	32.85	80.97	33.83	82.54	34.49	85.68	36.46	
50.00	41.52	23.84	47.90	27.48	54.29	31.46	63.87	34.17	65.79	35.20	67.06	35.88	69.62	37.93	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT034S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	63.87	17.62	73.70	19.50	83.52	22.32	98.26	23.49	101.21	24.19	103.18	24.66	107.11	26.07		
	0.00	63.87	17.62	73.70	19.50	83.52	22.32	98.26	23.49	101.21	24.19	103.18	24.66	107.11	26.07		
	5.00	63.87	17.62	73.70	19.50	83.52	22.32	98.26	23.49	101.21	24.19	103.18	24.66	107.11	26.07		
	10.00	63.25	17.62	72.98	19.50	82.71	22.32	97.31	23.49	100.23	24.19	102.17	24.66	106.07	26.07		
	15.00	63.25	17.81	72.98	19.71	82.71	22.56	97.31	23.75	100.23	24.46	102.17	24.94	106.07	26.36		
	20.00	65.11	17.62	75.13	19.50	85.14	22.32	100.17	23.49	103.18	24.19	105.18	24.66	109.19	26.07		
	25.00	63.25	18.01	72.98	19.93	82.71	22.81	97.31	24.01	100.23	24.73	102.17	25.21	106.07	26.65		
	30.00	63.87	18.60	73.70	20.58	83.52	23.56	98.26	24.80	101.21	25.54	103.18	26.03	107.11	27.52		
	35.00	62.01	19.58	71.55	21.66	81.09	24.80	95.40	26.10	98.26	26.88	100.17	27.41	103.99	28.97		
	39.00	59.53	20.16	68.69	23.18	77.85	26.53	91.58	27.41	94.33	28.23	96.16	28.78	99.83	30.42		
	41.00	58.29	20.36	67.26	23.83	76.22	27.27	89.68	27.93	92.37	28.76	94.16	29.32	97.75	31.00		
	43.00	57.05	20.55	65.83	24.91	74.60	28.51	87.77	28.45	90.40	29.30	92.16	29.87	95.67	31.58		
46.00	49.61	22.51	57.24	26.86	64.87	30.75	76.32	32.36	78.61	33.33	80.14	33.98	83.19	35.92			
50.00	40.31	23.49	46.51	27.08	52.71	30.99	62.01	33.67	63.87	34.68	65.11	35.35	67.59	37.37			
90%	-5.00	57.48	14.66	66.33	16.01	75.17	18.32	88.44	19.28	91.09	19.86	92.86	20.25	96.40	21.41		
	0.00	57.48	14.66	66.33	16.22	75.17	18.56	88.44	19.28	91.09	19.86	92.86	20.25	96.40	21.41		
	5.00	57.48	14.66	66.33	16.22	75.17	18.56	88.44	19.28	91.09	19.86	92.86	20.25	96.40	21.41		
	10.00	56.93	14.66	65.68	16.22	74.44	18.56	87.58	19.28	90.20	19.86	91.96	20.25	95.46	21.41		
	15.00	56.93	14.82	65.68	16.40	74.44	18.77	87.58	19.50	90.20	20.08	91.96	20.47	95.46	21.64		
	20.00	58.60	14.66	67.61	16.22	76.63	18.56	90.15	19.28	92.86	19.86	94.66	20.25	98.27	21.41		
	25.00	56.93	14.98	65.68	16.58	74.44	18.98	87.58	19.71	90.20	20.30	91.96	20.70	95.46	21.88		
	30.00	57.48	15.47	66.33	17.12	75.17	19.60	88.44	20.36	91.09	20.97	92.86	21.37	96.40	22.59		
	35.00	55.81	16.28	64.40	18.02	72.98	20.63	85.86	21.43	88.44	22.07	90.15	22.50	93.59	23.78		
	39.00	53.58	16.77	61.82	19.28	70.06	22.07	82.43	22.50	84.90	23.17	86.55	23.62	89.84	24.97		
	41.00	52.46	16.94	60.53	19.56	68.60	22.39	80.71	22.93	83.13	23.61	84.74	24.07	87.97	25.45		
	43.00	51.34	17.10	59.24	20.04	67.14	22.94	78.99	23.36	81.36	24.06	82.94	24.52	86.10	25.92		
46.00	47.75	18.42	55.10	21.39	62.44	24.49	73.46	25.60	75.67	26.37	77.13	26.88	80.07	28.41			
50.00	45.18	19.54	52.13	22.53	59.09	25.78	69.51	27.64	71.60	28.47	72.99	29.02	75.77	30.68			
80%	-5.00	51.10	13.38	58.96	14.06	66.82	16.09	78.61	16.68	80.97	17.18	82.54	17.51	85.68	18.51		
	0.00	51.10	13.38	58.96	14.06	66.82	16.09	78.61	16.68	80.97	17.18	82.54	17.51	85.68	18.51		
	5.00	51.10	13.38	58.96	14.06	66.82	16.09	78.61	16.68	80.97	17.18	82.54	17.51	85.68	18.51		
	10.00	50.60	13.38	58.38	14.06	66.17	16.09	77.85	16.68	80.18	17.18	81.74	17.51	84.85	18.51		
	15.00	50.60	13.53	58.38	14.21	66.17	16.27	77.85	16.86	80.18	17.37	81.74	17.71	84.85	18.72		
	20.00	52.09	13.38	60.10	14.06	68.12	16.09	80.14	16.68	82.54	17.18	84.14	17.51	87.35	18.51		
	25.00	50.60	13.67	58.38	14.37	66.17	16.45	77.85	17.05	80.18	17.56	81.74	17.90	84.85	18.92		
	30.00	52.37	14.12	60.43	14.84	68.49	16.98	80.57	17.60	82.99	18.13	84.60	18.48	87.83	19.54		
	35.00	50.85	14.86	58.67	15.62	66.49	17.88	78.23	18.53	80.57	19.09	82.14	19.46	85.27	20.57		
	39.00	48.81	15.31	56.32	16.71	63.83	19.13	75.10	19.46	77.35	20.04	78.85	20.43	81.86	21.60		
	41.00	47.80	15.46	55.15	17.18	62.50	19.66	73.53	19.83	75.74	20.42	77.21	20.82	80.15	22.01		
	43.00	46.78	15.61	53.98	17.96	61.17	20.56	71.97	20.20	74.13	20.80	75.57	21.21	78.45	22.42		
46.00	44.15	16.99	50.94	19.25	57.74	22.03	67.92	22.83	69.96	23.52	71.32	23.97	74.04	25.34			
50.00	37.49	17.52	43.25	19.16	49.02	21.92	57.67	23.45	59.40	24.15	60.55	24.62	62.86	26.03			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT034S73HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	45.99	11.54	53.06	11.91	60.14	13.63	70.75	14.35	72.87	14.78	74.77	15.07	77.62	15.93
	0.00	45.99	11.54	53.06	11.91	60.14	13.63	70.75	14.35	72.87	14.78	74.77	15.07	77.62	15.93
	5.00	45.99	11.54	53.06	11.91	60.14	13.63	70.75	14.35	72.87	14.78	74.77	15.07	77.62	15.93
	10.00	45.54	11.54	52.55	11.91	59.55	13.63	70.06	14.35	72.16	14.78	74.05	15.07	76.87	15.93
	15.00	45.54	11.66	52.55	12.04	59.55	13.79	70.06	14.51	72.16	14.95	74.05	15.24	76.87	16.11
	20.00	46.88	11.54	54.09	11.91	61.30	13.63	72.12	14.35	74.29	14.78	76.22	15.07	79.13	15.93
	25.00	45.54	11.79	52.55	12.18	59.55	13.94	70.06	14.67	72.16	15.11	74.05	15.40	76.87	16.28
	30.00	45.99	12.18	53.06	12.57	60.14	14.39	70.75	15.15	72.87	15.60	74.77	15.91	77.62	16.82
	35.00	44.65	12.82	51.52	13.24	58.38	15.15	68.69	15.95	70.75	16.42	72.59	16.74	75.36	17.70
	39.00	42.86	13.20	49.46	14.16	56.05	16.21	65.94	16.74	67.92	17.25	69.69	17.58	72.35	18.59
	41.00	41.97	12.66	48.43	14.56	54.88	16.66	64.57	17.06	66.50	17.57	68.24	17.92	70.84	18.94
	43.00	41.08	13.46	47.39	15.22	53.71	17.42	63.19	17.38	65.09	17.90	66.79	18.25	69.33	19.29
46.00	38.69	14.54	44.65	16.17	50.60	18.51	59.53	19.30	61.32	19.88	60.62	20.27	62.93	21.43	
50.00	31.44	14.42	36.28	16.18	41.11	18.52	48.37	19.74	49.82	20.34	49.25	20.73	51.13	21.92	
60%	-5.00	39.60	9.48	45.69	9.75	51.78	11.16	60.92	11.75	62.75	12.10	64.46	12.33	66.91	13.04
	0.00	39.60	9.48	45.69	9.75	51.78	11.16	60.92	11.75	62.75	12.10	64.46	12.33	66.91	13.04
	5.00	39.60	9.48	45.69	9.75	51.78	11.16	60.92	11.75	62.75	12.10	64.46	12.33	66.91	13.04
	10.00	39.22	9.48	45.25	9.75	51.28	11.16	60.33	11.75	62.14	12.10	63.83	12.33	66.26	13.04
	15.00	39.22	9.59	45.25	9.86	51.28	11.28	60.33	11.88	62.14	12.23	63.83	12.47	66.26	13.18
	20.00	40.37	9.48	46.58	9.75	52.79	11.16	62.11	11.75	63.97	12.10	65.71	12.33	68.21	13.04
	25.00	39.22	9.70	45.25	9.96	51.28	11.41	60.33	12.01	62.14	12.37	63.83	12.61	66.26	13.33
	30.00	39.60	10.01	45.69	10.29	51.78	11.78	60.92	12.13	62.75	12.49	64.46	12.73	66.91	13.46
	35.00	38.45	10.54	44.36	10.83	50.28	12.40	59.15	12.76	60.92	13.15	62.58	13.40	64.96	14.17
	39.00	36.91	10.85	42.59	11.59	48.26	13.27	56.78	13.40	58.49	13.80	60.07	14.07	62.36	14.88
	41.00	36.14	10.74	41.70	11.91	47.26	13.64	55.60	13.66	57.27	14.07	58.82	14.34	61.06	15.16
	43.00	35.37	10.84	40.81	12.46	46.25	14.26	54.42	13.91	56.05	14.33	57.57	14.61	59.76	15.44
46.00	34.23	12.12	39.50	13.43	44.76	15.37	52.66	15.83	54.24	16.30	53.03	16.62	55.05	17.57	
50.00	27.81	12.18	32.09	13.29	36.37	15.22	42.79	16.16	44.07	16.65	43.08	16.97	44.72	17.94	
50%	-5.00	31.94	7.53	36.85	7.91	41.76	9.05	49.13	9.40	50.60	9.68	51.59	9.87	53.55	10.43
	0.00	31.94	7.53	36.85	7.91	41.76	9.05	49.13	9.40	50.60	9.68	51.59	9.87	53.55	10.43
	5.00	31.94	7.53	36.85	7.91	41.76	9.05	49.13	9.40	50.60	9.68	51.59	9.87	53.55	10.43
	10.00	31.63	7.53	36.49	7.91	41.36	9.05	48.65	9.40	50.11	9.68	51.09	9.87	53.03	10.43
	15.00	31.63	7.61	36.49	7.99	41.36	9.15	48.65	9.50	50.11	9.79	51.09	9.98	53.03	10.55
	20.00	32.56	7.53	37.56	7.91	42.57	9.05	50.09	9.40	51.59	9.68	52.59	9.87	54.59	10.43
	25.00	31.63	7.70	36.49	8.08	41.36	9.25	48.65	9.60	50.11	9.89	51.09	10.09	53.03	10.66
	30.00	31.94	7.95	36.85	8.34	41.76	9.55	49.13	9.92	50.60	10.22	51.59	10.41	53.55	11.01
	35.00	31.01	8.37	35.78	8.78	40.55	10.05	47.70	10.44	49.13	10.75	50.09	10.96	51.99	11.59
	39.00	29.76	8.62	34.34	9.40	38.92	10.76	45.79	10.96	47.17	11.29	48.08	11.51	49.91	12.17
	41.00	29.14	8.70	33.63	9.66	38.11	11.06	44.84	11.17	46.18	11.51	47.08	11.73	48.87	12.40
	43.00	28.52	8.78	32.91	10.10	37.30	11.56	43.88	11.38	45.20	11.72	46.08	11.95	47.83	12.63
46.00	27.10	9.42	31.27	10.35	35.44	11.85	41.69	12.30	42.94	12.67	43.77	12.91	45.44	13.65	
50.00	26.24	9.83	30.28	10.44	34.32	11.95	40.37	12.79	41.58	13.18	42.39	13.43	44.01	14.20	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT036S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	72.21	19.69	83.32	21.79	94.43	24.94	111.09	26.25	114.42	27.04	116.65	27.57	121.09	29.14		
	0.00	72.21	19.69	83.32	21.79	94.43	24.94	111.09	26.25	114.42	27.04	116.65	27.57	121.09	29.14		
	5.00	72.21	19.69	83.32	21.79	94.43	24.94	111.09	26.25	114.42	27.04	116.65	27.57	121.09	29.14		
	10.00	71.51	19.69	82.51	21.79	93.51	24.94	110.01	26.25	113.31	27.04	115.51	27.57	119.91	29.14		
	15.00	71.51	19.91	82.51	22.03	93.51	25.22	110.01	26.55	113.31	27.34	115.51	27.87	119.91	29.47		
	20.00	73.61	19.69	84.94	21.79	96.26	8.86	113.25	8.86	116.65	8.86	118.91	8.86	123.44	29.14		
	25.00	71.51	20.13	82.51	22.28	93.51	25.50	110.01	26.84	113.31	27.64	115.51	28.18	119.91	29.79		
	30.00	72.21	20.79	83.32	23.00	94.43	26.33	111.09	27.71	114.42	28.54	116.65	29.10	121.09	30.76		
	35.00	70.11	21.88	80.89	24.21	91.68	27.71	107.86	29.17	111.09	30.05	113.25	30.63	117.56	32.38		
	39.00	67.30	22.54	77.66	25.91	88.01	29.65	103.54	30.63	106.65	31.55	108.72	32.16	112.86	34.00		
	41.00	65.90	22.98	76.04	26.90	86.18	30.78	101.38	31.52	104.43	32.47	106.45	33.10	110.51	34.99		
	43.00	64.50	23.20	74.42	28.12	84.34	32.18	99.23	32.11	102.20	33.07	104.19	33.71	108.16	35.64		
	46.00	56.09	25.41	64.71	30.32	73.34	34.70	86.28	36.53	88.87	37.62	90.60	38.35	94.05	40.55		
50.00	45.57	26.51	52.58	30.56	59.59	34.98	70.11	38.00	72.21	39.14	73.61	39.90	76.42	42.18			
120%	-5.00	70.86	19.69	81.76	21.79	92.66	24.94	109.02	26.25	112.29	27.04	114.47	27.57	118.83	29.14		
	0.00	70.86	19.69	81.76	21.79	92.66	24.94	109.02	26.25	112.29	27.04	114.47	27.57	118.83	29.14		
	5.00	70.86	19.69	81.76	21.79	92.66	24.94	109.02	26.25	112.29	27.04	114.47	27.57	118.83	29.14		
	10.00	70.17	19.69	80.97	21.79	91.76	24.94	107.96	26.25	111.20	27.04	113.35	27.57	117.67	29.14		
	15.00	70.17	19.91	80.97	22.03	91.76	25.22	107.96	26.55	111.20	27.34	113.35	27.87	117.67	29.47		
	20.00	72.24	19.69	83.35	21.79	94.46	24.94	111.13	26.25	114.47	27.04	116.69	27.57	121.13	29.14		
	25.00	70.17	20.13	80.97	22.28	91.76	25.50	107.96	26.84	111.20	27.64	113.35	28.18	117.67	29.79		
	30.00	70.86	20.79	81.76	23.00	92.66	26.33	109.02	27.71	112.29	28.54	114.47	29.10	118.83	30.76		
	35.00	68.80	21.88	79.38	24.21	89.96	27.71	105.84	29.17	109.02	30.05	111.13	30.63	115.37	32.38		
	39.00	66.04	22.43	76.20	25.78	86.37	29.51	101.61	30.48	104.65	8.04	106.69	13.67	110.75	33.84		
	41.00	64.67	22.64	74.62	26.51	84.57	30.34	99.49	31.06	102.47	32.00	104.46	32.62	108.44	34.48		
	43.00	63.29	22.86	73.03	27.71	82.77	31.72	97.37	31.64	100.29	32.59	102.24	33.23	106.14	35.13		
	46.00	55.04	25.04	63.50	29.88	71.97	34.20	84.67	36.00	87.21	37.08	88.91	37.80	92.29	39.96		
50.00	44.72	26.13	51.60	30.12	58.48	34.48	68.80	37.45	70.86	38.57	72.24	39.32	74.99	41.57			
110%	-5.00	69.51	19.59	80.20	21.68	90.90	24.82	106.94	26.13	110.15	26.91	112.29	27.43	116.56	29.00		
	0.00	69.51	19.59	80.20	21.68	90.90	24.82	106.94	26.13	110.15	26.91	112.29	27.43	116.56	29.00		
	5.00	69.51	19.59	80.20	21.68	90.90	24.82	106.94	26.13	110.15	26.91	112.29	27.43	116.56	29.00		
	10.00	68.84	19.59	79.43	21.68	90.02	24.82	105.90	26.13	109.08	26.91	111.20	27.43	115.43	29.00		
	15.00	68.84	19.81	79.43	21.93	90.02	25.10	105.90	26.42	109.08	27.21	111.20	27.74	115.43	29.32		
	20.00	70.86	19.59	81.76	21.68	92.66	24.82	109.02	26.13	112.29	26.91	114.47	27.43	118.83	29.00		
	25.00	68.84	20.03	79.43	22.17	90.02	25.37	105.90	26.71	109.08	27.51	111.20	28.04	115.43	29.64		
	30.00	69.51	20.68	80.20	22.89	90.90	26.20	106.94	27.58	110.15	28.40	112.29	28.96	116.56	30.61		
	35.00	67.49	21.77	77.87	24.09	88.25	27.58	103.82	29.03	106.94	29.90	109.02	30.48	113.17	32.22		
	39.00	64.79	22.42	74.75	25.78	84.72	29.51	99.67	30.48	102.66	31.39	104.65	32.00	108.64	33.83		
	41.00	63.44	22.64	73.20	26.50	82.96	30.34	97.59	31.06	100.52	31.99	102.47	32.61	106.38	34.48		
	43.00	62.09	22.86	71.64	27.71	81.19	31.71	95.52	31.64	98.38	32.59	100.29	33.22	104.11	35.12		
	46.00	53.99	25.04	62.29	29.88	70.60	34.20	83.06	36.00	85.55	37.08	87.21	37.80	90.53	39.96		
50.00	43.87	26.13	50.61	30.12	57.36	34.47	67.49	37.45	69.51	38.57	70.86	39.32	73.56	41.57			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT036S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	67.49	19.31	77.87	21.36	88.25	24.45	103.82	25.74	106.94	26.51	109.02	27.03	113.17	28.57
	0.00	67.49	19.31	77.87	21.36	88.25	24.45	103.82	25.74	106.94	26.51	109.02	27.03	113.17	28.57
	5.00	67.49	19.31	77.87	21.36	88.25	24.45	103.82	25.74	106.94	26.51	109.02	27.03	113.17	28.57
	10.00	66.83	19.31	77.11	21.36	87.39	24.45	102.82	25.74	105.90	26.51	107.96	27.03	112.07	28.57
	15.00	66.83	19.52	77.11	21.60	87.39	24.72	102.82	26.03	105.90	26.81	107.96	27.33	112.07	28.89
	20.00	68.80	19.31	79.38	21.36	89.96	24.45	105.84	25.74	109.02	26.51	111.13	27.03	115.37	28.57
	25.00	66.83	19.73	77.11	21.84	87.39	25.00	102.82	26.31	105.90	27.10	107.96	27.63	112.07	29.21
	30.00	67.49	20.38	77.87	22.55	88.25	25.81	103.82	27.17	106.94	27.99	109.02	28.53	113.17	30.16
	35.00	65.52	21.45	75.60	23.74	85.68	27.17	100.80	28.60	103.82	29.46	105.84	30.03	109.87	31.75
	39.00	62.90	22.09	72.58	25.40	82.25	29.07	96.77	30.03	99.67	30.93	101.61	31.53	105.48	33.33
	41.00	61.59	22.31	71.06	26.11	80.54	29.89	94.75	30.60	97.59	31.52	99.49	32.13	103.28	33.97
	43.00	60.28	22.52	69.55	27.30	78.83	31.25	92.74	31.17	95.52	32.11	97.37	32.73	101.08	34.60
46.00	52.42	24.67	60.48	29.44	68.54	33.69	80.64	35.46	83.06	36.53	84.67	37.24	87.90	39.37	
50.00	42.59	25.74	49.14	29.67	55.69	33.96	65.52	36.89	67.49	38.00	68.80	38.74	71.42	40.95	
90%	-5.00	60.74	16.41	70.08	17.73	79.43	20.30	93.44	21.36	96.24	22.01	98.11	22.43	101.85	23.71
	0.00	60.74	16.41	70.08	18.16	79.43	20.79	93.44	21.36	96.24	22.01	98.11	22.43	101.85	23.71
	5.00	60.74	16.41	70.08	18.16	79.43	20.79	93.44	21.36	96.24	22.01	98.11	22.43	101.85	23.71
	10.00	60.15	16.41	69.40	18.16	78.65	20.79	92.53	21.36	95.31	22.01	97.16	22.43	100.86	23.71
	15.00	60.15	16.59	69.40	18.36	78.65	21.02	92.53	21.60	95.31	22.25	97.16	22.68	100.86	23.98
	20.00	61.92	16.41	71.44	18.16	80.97	20.79	95.26	21.36	98.11	22.01	100.02	22.43	103.83	23.71
	25.00	60.15	16.77	69.40	18.56	78.65	21.25	92.53	21.84	95.31	22.49	97.16	22.93	100.86	24.24
	30.00	60.74	17.32	70.08	19.17	79.43	21.94	93.44	22.55	96.24	23.23	98.11	23.68	101.85	25.03
	35.00	58.97	18.23	68.04	20.18	77.11	23.09	90.72	23.74	93.44	24.45	95.26	24.92	98.88	26.35
	39.00	56.61	18.78	65.32	21.59	74.03	24.71	87.09	24.92	89.70	25.67	91.45	26.17	94.93	27.67
	41.00	55.43	18.96	63.96	21.67	72.49	24.81	85.28	25.40	87.84	26.16	89.54	26.67	92.95	28.19
	43.00	54.25	19.14	62.60	21.84	70.94	25.00	83.46	25.87	85.97	26.65	87.64	27.17	90.97	28.72
46.00	50.45	20.97	58.22	23.84	65.98	27.29	77.62	28.37	79.95	29.22	81.50	29.79	84.61	31.49	
50.00	47.74	21.88	55.09	25.22	62.43	28.87	73.45	30.62	75.65	31.54	77.12	32.15	80.06	33.99	
80%	-5.00	53.99	15.44	62.29	15.60	70.60	17.85	83.06	18.28	85.55	18.82	87.21	19.19	90.53	20.29
	0.00	53.99	15.44	62.29	15.60	70.60	17.85	83.06	18.28	85.55	18.82	87.21	19.19	90.53	20.29
	5.00	53.99	15.44	62.29	15.60	70.60	17.85	83.06	18.28	85.55	18.82	87.21	19.19	90.53	20.29
	10.00	53.46	15.44	61.69	15.60	69.91	17.85	82.25	18.28	84.72	18.82	86.37	19.19	89.66	20.29
	15.00	53.46	15.62	61.69	15.77	69.91	18.05	82.25	18.48	84.72	19.03	86.37	19.40	89.66	20.51
	20.00	55.04	15.44	63.50	15.60	71.97	17.85	84.67	18.28	87.21	18.82	88.91	19.19	92.29	20.29
	25.00	53.46	15.79	61.69	15.94	69.91	18.25	82.25	18.68	84.72	19.24	86.37	19.62	89.66	20.74
	30.00	55.34	16.30	63.85	16.46	72.37	18.84	85.14	19.29	87.69	19.87	89.39	20.26	92.80	21.41
	35.00	53.73	17.16	61.99	17.33	70.26	19.83	82.66	20.31	85.14	20.92	86.79	21.32	90.10	22.54
	39.00	51.58	17.67	59.51	18.54	67.45	21.22	79.35	21.32	81.73	21.96	83.32	22.39	86.49	23.67
	41.00	50.50	17.85	58.27	19.06	66.04	21.82	77.70	21.73	80.03	22.38	81.58	22.81	84.69	24.12
	43.00	49.43	18.02	57.03	19.93	64.64	22.81	76.04	22.13	78.32	22.80	79.85	23.24	82.89	24.57
46.00	46.65	19.73	53.83	21.49	61.00	24.59	71.77	25.18	73.92	25.93	75.36	26.44	78.23	27.95	
50.00	39.61	20.59	45.70	21.66	51.79	24.79	60.93	26.19	62.76	26.98	63.98	27.50	66.42	29.08	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT036S73HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	48.59	13.51	56.06	13.25	63.54	15.16	74.75	15.96	77.00	16.44	78.49	16.76	81.48	17.71
	0.00	48.59	13.51	56.06	13.25	63.54	15.16	74.75	15.96	77.00	16.44	78.49	16.76	81.48	17.71
	5.00	48.59	13.51	56.06	13.25	63.54	15.16	74.75	15.96	77.00	16.44	78.49	16.76	81.48	17.71
	10.00	48.12	13.51	55.52	13.25	62.92	15.16	74.03	15.96	76.25	16.44	77.73	16.76	80.69	17.71
	15.00	48.12	13.66	55.52	13.39	62.92	15.33	74.03	16.14	76.25	16.62	77.73	16.94	80.69	17.91
	20.00	49.53	13.51	57.15	13.25	64.77	15.16	76.20	15.96	78.49	16.44	80.02	16.76	83.06	17.71
	25.00	48.12	13.81	55.52	13.54	62.92	15.50	74.03	16.31	76.25	16.80	77.73	17.13	80.69	18.11
	30.00	48.59	14.26	56.06	13.98	63.54	16.00	74.75	16.85	77.00	17.35	78.49	17.69	81.48	18.70
	35.00	47.17	15.02	54.43	14.72	61.69	16.85	72.58	17.73	74.75	18.26	76.20	18.62	79.11	19.68
	39.00	45.29	15.47	52.25	15.75	59.22	18.02	69.67	18.62	71.76	19.18	73.16	19.55	75.94	20.67
	41.00	44.34	14.28	51.17	16.19	57.99	18.53	68.22	18.97	70.27	19.54	71.63	19.92	74.36	21.06
	43.00	43.40	15.77	50.08	16.93	56.75	19.37	66.77	19.33	68.77	19.91	70.11	20.29	72.78	21.45
46.00	40.88	17.27	47.17	18.25	53.46	20.89	62.90	21.63	64.79	22.28	66.04	22.71	68.56	24.01	
50.00	33.22	16.73	38.33	18.40	43.44	21.06	51.11	22.14	52.64	22.80	53.66	23.24	55.71	24.57	
60%	-5.00	41.84	11.00	48.28	10.68	54.72	12.23	64.37	12.87	66.30	13.26	67.59	13.51	70.16	14.29
	0.00	41.84	11.00	48.28	10.68	54.72	12.23	64.37	12.87	66.30	13.26	67.59	13.51	70.16	14.29
	5.00	41.84	11.00	48.28	10.68	54.72	12.23	64.37	12.87	66.30	13.26	67.59	13.51	70.16	14.29
	10.00	41.43	11.00	47.81	10.68	54.18	12.23	63.75	12.87	65.66	13.26	66.93	13.51	69.48	14.29
	15.00	41.43	11.13	47.81	10.80	54.18	12.36	63.75	13.01	65.66	13.40	66.93	13.66	69.48	14.44
	20.00	42.65	11.00	49.22	10.68	55.78	12.23	65.62	12.87	67.59	13.26	68.90	13.51	71.53	14.29
	25.00	41.43	11.25	47.81	10.92	54.18	12.50	63.75	13.16	65.66	13.55	66.93	13.81	69.48	14.60
	30.00	41.84	11.62	48.28	11.28	54.72	12.91	64.37	13.04	66.30	13.43	67.59	13.69	70.16	14.48
	35.00	40.62	12.23	46.87	11.87	53.12	13.59	62.50	13.73	64.37	14.14	65.62	14.41	68.12	15.24
	39.00	39.00	12.59	45.00	12.70	51.00	14.54	60.00	14.41	61.80	14.85	63.00	15.14	65.40	16.00
	41.00	38.19	12.27	44.06	13.06	49.93	14.94	58.75	14.69	60.51	15.13	61.68	15.42	64.03	16.30
	43.00	37.37	12.39	43.12	13.65	48.87	15.62	57.50	14.96	59.22	15.41	60.37	15.71	62.67	16.61
46.00	36.17	14.06	41.73	14.72	47.30	16.85	55.64	17.02	57.31	17.53	58.42	17.87	60.65	18.90	
50.00	29.39	14.16	33.91	14.84	38.43	16.98	45.21	17.71	46.57	18.24	47.47	18.59	49.28	19.66	
50%	-5.00	33.74	8.69	38.93	8.76	44.13	10.03	51.91	10.30	53.47	10.60	54.51	10.81	56.58	11.43
	0.00	33.74	8.69	38.93	8.76	44.13	10.03	51.91	10.30	53.47	10.60	54.51	10.81	56.58	11.43
	5.00	33.74	8.69	38.93	8.76	44.13	10.03	51.91	10.30	53.47	10.60	54.51	10.81	56.58	11.43
	10.00	33.42	8.69	38.56	8.76	43.70	10.03	51.41	10.30	52.95	10.60	53.98	10.81	56.03	11.43
	15.00	33.42	8.78	38.56	8.86	43.70	10.14	51.41	10.41	52.95	10.72	53.98	10.93	56.03	11.56
	20.00	34.40	8.69	39.69	8.76	44.98	10.03	52.92	10.30	54.51	10.60	55.57	10.81	57.68	11.43
	25.00	33.42	8.88	38.56	8.95	43.70	10.25	51.41	10.52	52.95	10.84	53.98	11.05	56.03	11.68
	30.00	33.74	9.17	38.93	9.25	44.13	10.58	51.91	10.87	53.47	11.19	54.51	11.41	56.58	12.06
	35.00	32.76	9.65	37.80	9.73	42.84	11.14	50.40	11.44	51.91	11.78	52.92	12.01	54.94	12.70
	39.00	31.45	9.94	36.29	10.41	41.13	11.92	48.38	12.01	49.84	12.37	50.80	12.61	52.74	13.33
	41.00	30.79	10.04	35.53	10.71	40.27	12.25	47.38	12.24	48.80	12.61	49.74	12.85	51.64	13.59
	43.00	30.14	10.14	34.78	11.19	39.41	12.81	46.37	12.47	47.76	12.84	48.69	13.09	50.54	13.84
46.00	28.63	11.10	33.04	11.48	37.44	13.14	44.05	13.48	45.37	13.88	46.25	14.15	48.01	14.96	
50.00	27.73	11.58	31.99	11.57	36.26	13.25	42.66	14.02	43.94	14.44	44.79	14.72	46.50	15.56	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT038S73HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	76.22	20.24	87.95	22.40	99.67	25.64	117.26	26.99	120.78	27.80	123.13	28.34	127.82	29.96
	0.00	76.22	20.24	87.95	22.40	99.67	25.64	117.26	26.99	120.78	27.80	123.13	28.34	127.82	29.96
	5.00	76.22	20.24	87.95	22.40	99.67	25.64	117.26	26.99	120.78	27.80	123.13	28.34	127.82	29.96
	10.00	75.48	20.24	87.09	22.40	98.71	25.64	116.12	26.99	119.61	27.80	121.93	28.34	126.58	29.96
	15.00	75.48	20.47	87.09	22.65	98.71	25.92	116.12	27.29	119.61	28.11	121.93	28.65	126.58	30.29
	20.00	77.70	20.24	89.66	22.40	101.61	8.86	119.54	8.86	123.13	8.86	125.52	8.86	130.30	29.96
	25.00	75.48	20.69	87.09	22.90	98.71	26.21	116.12	27.59	119.61	28.42	121.93	28.97	126.58	30.62
	30.00	76.22	21.37	87.95	23.65	99.67	27.06	117.26	28.49	120.78	29.34	123.13	29.91	127.82	31.62
	35.00	74.00	22.49	85.39	24.89	96.77	28.49	113.85	29.99	117.26	30.89	119.54	31.49	124.09	33.29
	39.00	71.04	23.17	81.97	26.63	92.90	30.48	109.29	31.49	112.57	32.43	114.76	33.06	119.13	34.95
	41.00	69.56	23.62	80.26	27.65	90.96	31.64	107.02	32.40	110.23	33.37	112.37	34.02	116.65	35.97
	43.00	68.08	23.85	78.56	28.90	89.03	33.08	104.74	33.01	107.88	34.00	109.98	34.66	114.17	36.64
46.00	59.20	26.12	68.31	31.17	77.42	35.67	91.08	37.55	93.81	38.68	95.63	39.43	99.28	41.68	
50.00	48.10	27.25	55.50	31.42	62.90	35.96	74.00	39.06	76.22	40.24	77.70	41.02	80.66	43.36	
120%	-5.00	74.80	20.24	86.30	22.40	97.81	25.64	115.07	26.99	118.52	27.80	120.83	28.34	125.43	29.96
	0.00	74.80	20.24	86.30	22.40	97.81	25.64	115.07	26.99	118.52	27.80	120.83	28.34	125.43	29.96
	5.00	74.80	20.24	86.30	22.40	97.81	25.64	115.07	26.99	118.52	27.80	120.83	28.34	125.43	29.96
	10.00	74.07	20.24	85.47	22.40	96.86	25.64	113.95	26.99	117.37	27.80	119.65	28.34	124.21	29.96
	15.00	74.07	20.47	85.47	22.65	96.86	25.92	113.95	27.29	117.37	28.11	119.65	28.65	124.21	30.29
	20.00	76.25	20.24	87.98	22.40	99.71	25.64	117.31	26.99	120.83	27.80	123.17	28.34	127.86	29.96
	25.00	74.07	20.69	85.47	22.90	96.86	26.21	113.95	27.59	117.37	28.42	119.65	28.97	124.21	30.62
	30.00	74.80	21.37	86.30	23.65	97.81	27.06	115.07	28.49	118.52	29.34	120.83	29.91	125.43	31.62
	35.00	72.62	22.49	83.79	24.89	94.96	28.49	111.72	29.99	115.07	30.89	117.31	31.49	121.77	33.29
	39.00	69.71	23.05	80.44	26.50	91.16	30.34	107.25	31.34	110.47	8.04	112.61	13.67	116.90	34.78
	41.00	68.26	23.28	78.76	27.25	89.26	31.19	105.02	31.93	108.17	32.89	110.27	33.53	114.47	35.45
	43.00	66.81	23.50	77.09	28.49	87.37	32.60	102.78	32.53	105.87	33.51	107.92	34.16	112.03	36.11
46.00	58.09	25.74	67.03	30.72	75.97	35.16	89.38	37.01	92.06	38.12	93.84	38.86	97.42	41.08	
50.00	47.20	26.86	54.46	30.96	61.73	35.44	72.62	38.50	74.80	39.65	76.25	40.42	79.15	42.73	
110%	-5.00	73.37	20.14	84.66	22.29	95.95	25.51	112.88	26.86	116.27	27.66	118.52	28.20	123.04	29.81
	0.00	73.37	20.14	84.66	22.29	95.95	25.51	112.88	26.86	116.27	27.66	118.52	28.20	123.04	29.81
	5.00	73.37	20.14	84.66	22.29	95.95	25.51	112.88	26.86	116.27	27.66	118.52	28.20	123.04	29.81
	10.00	72.66	20.14	83.84	22.29	95.02	25.51	111.78	26.86	115.14	27.66	117.37	28.20	121.84	29.81
	15.00	72.66	20.37	83.84	22.54	95.02	25.80	111.78	27.16	115.14	27.97	117.37	28.51	121.84	30.14
	20.00	74.80	20.14	86.30	22.29	97.81	25.51	115.07	26.86	118.52	27.66	120.83	28.20	125.43	29.81
	25.00	72.66	20.59	83.84	22.79	95.02	26.08	111.78	27.45	115.14	28.28	117.37	28.83	121.84	30.47
	30.00	73.37	21.26	84.66	23.53	95.95	26.93	112.88	28.35	116.27	29.20	118.52	29.77	123.04	31.47
	35.00	71.23	22.38	82.19	24.77	93.15	28.35	109.59	29.84	112.88	30.74	115.07	31.33	119.46	33.12
	39.00	68.39	23.05	78.91	26.50	89.43	30.33	105.21	31.33	108.36	32.27	110.47	32.90	114.68	34.78
	41.00	66.96	23.28	77.26	27.24	87.56	31.18	103.02	31.93	106.11	32.89	108.17	33.53	112.29	35.44
	43.00	65.54	23.50	75.62	28.48	85.70	32.60	100.82	32.53	103.85	33.50	105.87	34.15	109.90	36.10
46.00	56.99	25.74	65.76	30.71	74.52	35.15	87.67	37.00	90.30	38.11	92.06	38.85	95.56	41.07	
50.00	46.30	26.86	53.43	30.96	60.55	35.44	71.23	38.49	73.37	39.65	74.80	40.42	77.65	42.73	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT038S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	71.23	19.85	82.19	21.96	93.15	25.14	109.59	26.46	112.88	27.25	115.07	27.78	119.46	29.37		
	0.00	71.23	19.85	82.19	21.96	93.15	25.14	109.59	26.46	112.88	27.25	115.07	27.78	119.46	29.37		
	5.00	71.23	19.85	82.19	21.96	93.15	25.14	109.59	26.46	112.88	27.25	115.07	27.78	119.46	29.37		
	10.00	70.54	19.85	81.40	21.96	92.25	25.14	108.53	26.46	111.78	27.25	113.95	27.78	118.30	29.37		
	15.00	70.54	20.07	81.40	22.21	92.25	25.42	108.53	26.75	111.78	27.56	113.95	28.09	118.30	29.70		
	20.00	72.62	19.85	83.79	21.96	94.96	25.14	111.72	26.46	115.07	27.25	117.31	27.78	121.77	29.37		
	25.00	70.54	20.29	81.40	22.45	92.25	25.70	108.53	27.05	111.78	27.86	113.95	28.40	118.30	30.02		
	30.00	71.23	20.95	82.19	23.18	93.15	26.53	109.59	27.93	112.88	28.77	115.07	29.33	119.46	31.00		
	35.00	69.16	22.05	79.80	24.40	90.44	27.93	106.40	29.40	109.59	30.28	111.72	30.87	115.98	32.63		
	39.00	66.39	22.71	76.61	26.11	86.82	29.89	102.14	30.87	105.21	31.80	107.25	32.41	111.34	34.27		
	41.00	65.01	22.93	75.01	26.84	85.01	30.72	100.02	31.46	103.02	32.40	105.02	33.03	109.02	34.92		
	43.00	63.63	23.15	73.42	28.06	83.20	32.12	97.89	32.05	100.82	33.01	102.78	33.65	106.70	35.57		
	46.00	55.33	25.36	63.84	30.26	72.35	34.63	85.12	36.46	87.67	37.55	89.38	38.28	92.78	40.47		
50.00	44.95	26.46	51.87	30.50	58.79	34.91	69.16	37.93	71.23	39.06	72.62	39.82	75.38	42.10			
90%	-5.00	64.11	16.66	73.97	18.23	83.84	20.86	98.63	21.96	101.59	22.62	103.56	23.06	107.51	24.38		
	0.00	64.11	16.66	73.97	18.44	83.84	21.11	98.63	21.96	101.59	22.62	103.56	23.06	107.51	24.38		
	5.00	64.11	16.66	73.97	18.44	83.84	21.11	98.63	21.96	101.59	22.62	103.56	23.06	107.51	24.38		
	10.00	63.49	16.66	73.26	18.44	83.02	21.11	97.68	21.96	100.61	22.62	102.56	23.06	106.47	24.38		
	15.00	63.49	16.85	73.26	18.65	83.02	21.34	97.68	22.21	100.61	22.87	102.56	23.32	106.47	24.65		
	20.00	65.36	16.66	75.41	18.44	85.47	21.11	100.55	21.96	103.56	22.62	105.58	23.06	109.60	24.38		
	25.00	63.49	17.03	73.26	18.85	83.02	21.58	97.68	22.45	100.61	23.12	102.56	23.57	106.47	24.92		
	30.00	64.11	17.59	73.97	19.47	83.84	22.28	98.63	23.18	101.59	23.88	103.56	24.34	107.51	25.73		
	35.00	62.24	18.52	71.82	20.49	81.40	23.45	95.76	24.40	98.63	25.13	100.55	25.62	104.38	27.09		
	39.00	59.75	19.07	68.95	21.93	78.14	25.10	91.93	25.62	94.69	26.39	96.53	26.90	100.20	28.44		
	41.00	58.51	19.26	67.51	22.28	76.51	25.50	90.01	26.11	92.71	26.89	94.52	27.42	98.12	28.98		
	43.00	57.26	19.44	66.07	22.88	74.88	26.19	88.10	26.60	90.74	27.40	92.50	27.93	96.03	29.52		
	46.00	53.26	20.90	61.45	24.35	69.64	27.88	81.93	29.16	84.39	30.04	86.03	30.62	89.31	32.37		
50.00	50.39	22.22	58.15	25.61	65.90	29.32	77.53	31.48	79.85	32.42	81.40	33.05	84.50	34.94			
80%	-5.00	56.99	14.96	65.76	15.81	74.52	18.09	87.67	18.79	90.30	19.35	92.06	19.73	95.56	20.85		
	0.00	56.99	14.96	65.76	15.81	74.52	18.09	87.67	18.79	90.30	19.35	92.06	19.73	95.56	20.85		
	5.00	56.99	14.96	65.76	15.81	74.52	18.09	87.67	18.79	90.30	19.35	92.06	19.73	95.56	20.85		
	10.00	56.43	14.96	65.12	15.81	73.80	18.09	86.82	18.79	89.43	19.35	91.16	19.73	94.64	20.85		
	15.00	56.43	15.12	65.12	15.98	73.80	18.29	86.82	19.00	89.43	19.57	91.16	19.95	94.64	21.08		
	20.00	58.09	14.96	67.03	15.81	75.97	18.09	89.38	18.79	92.06	19.35	93.84	19.73	97.42	20.85		
	25.00	56.43	15.29	65.12	16.16	73.80	18.49	86.82	19.20	89.43	19.78	91.16	20.16	94.64	21.32		
	30.00	58.41	15.79	67.40	16.68	76.39	19.10	89.87	19.83	92.56	20.43	94.36	20.82	97.95	22.01		
	35.00	56.71	16.62	65.44	17.56	74.16	20.10	87.25	20.87	89.87	21.50	91.61	21.92	95.10	23.17		
	39.00	54.44	17.12	62.82	18.79	71.19	21.51	83.76	21.92	86.27	22.58	87.95	23.01	91.30	24.33		
	41.00	53.31	17.29	61.51	19.32	69.71	22.11	82.01	22.34	84.47	23.01	86.11	23.45	89.39	24.79		
	43.00	52.17	17.45	60.20	20.20	68.23	23.12	80.27	22.75	82.68	23.44	84.28	23.89	87.49	25.26		
	46.00	49.24	19.11	56.82	21.78	64.39	24.93	75.76	25.88	78.03	26.66	79.54	27.18	82.57	28.73		
50.00	41.81	19.94	48.24	21.95	54.67	25.13	64.32	26.93	66.25	27.74	67.53	28.27	70.11	29.89			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT038S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	51.29	12.87	59.18	13.39	67.07	15.33	78.91	16.13	81.27	16.62	82.85	16.94	86.01	17.91		
	0.00	51.29	12.87	59.18	13.39	67.07	15.33	78.91	16.13	81.27	16.62	82.85	16.94	86.01	17.91		
	5.00	51.29	12.87	59.18	13.39	67.07	15.33	78.91	16.13	81.27	16.62	82.85	16.94	86.01	17.91		
	10.00	50.79	12.87	58.61	13.39	66.42	15.33	78.14	16.13	80.48	16.62	82.05	16.94	85.17	17.91		
	15.00	50.79	13.02	58.61	13.54	66.42	15.50	78.14	16.31	80.48	16.80	82.05	17.13	85.17	18.11		
	20.00	52.28	12.87	60.33	13.39	68.37	15.33	80.44	16.13	82.85	16.62	84.46	16.94	87.68	17.91		
	25.00	50.79	13.16	58.61	13.69	66.42	15.67	78.14	16.49	80.48	16.99	82.05	17.32	85.17	18.31		
	30.00	51.29	13.59	59.18	14.13	67.07	16.18	78.91	17.03	81.27	17.54	82.85	17.88	86.01	18.90		
	35.00	49.80	14.30	57.46	14.88	65.12	17.03	76.61	17.93	78.91	18.46	80.44	18.82	83.50	19.90		
	39.00	47.80	14.73	55.16	15.92	62.51	18.22	73.54	18.82	75.75	19.39	77.22	19.76	80.16	20.89		
	41.00	46.81	14.21	54.01	16.37	61.21	18.73	72.01	19.18	74.17	19.76	75.61	20.14	78.49	21.29		
	43.00	45.81	15.02	52.86	17.11	59.91	19.58	70.48	19.54	72.59	20.13	74.00	20.52	76.82	21.69		
46.00	43.16	16.19	49.80	18.14	56.43	21.12	66.39	21.49	68.39	22.13	69.71	22.56	72.37	23.85			
50.00	35.06	16.11	40.46	18.13	45.85	21.29	53.94	22.17	55.56	22.84	56.64	23.28	58.80	24.61			
60%	-5.00	44.17	10.60	50.96	10.98	57.75	12.57	67.95	13.09	69.99	13.49	71.34	13.75	74.06	14.53		
	0.00	44.17	10.60	50.96	10.98	57.75	12.57	67.95	13.09	69.99	13.49	71.34	13.75	74.06	14.53		
	5.00	44.17	10.60	50.96	10.98	57.75	12.57	67.95	13.09	69.99	13.49	71.34	13.75	74.06	14.53		
	10.00	43.74	10.60	50.47	10.98	57.19	12.57	67.29	13.09	69.31	13.49	70.65	13.75	73.34	14.53		
	15.00	43.74	10.72	50.47	11.10	57.19	12.71	67.29	13.24	69.31	13.64	70.65	13.90	73.34	14.70		
	20.00	45.02	10.60	51.95	10.98	58.88	12.57	69.27	13.09	71.34	13.49	72.73	13.75	75.50	14.53		
	25.00	43.74	10.83	50.47	11.22	57.19	12.85	67.29	13.39	69.31	13.79	70.65	14.05	73.34	14.86		
	30.00	44.17	10.97	50.96	11.35	57.75	12.99	67.95	13.55	69.99	13.96	71.34	14.23	74.06	15.04		
	35.00	42.88	11.55	49.48	11.95	56.07	13.68	65.97	14.26	67.95	14.69	69.27	14.98	71.91	15.83		
	39.00	41.16	11.90	47.50	12.79	53.83	14.64	63.33	14.98	65.23	15.43	66.50	15.72	69.03	16.62		
	41.00	40.31	11.79	46.51	13.15	52.71	15.05	62.01	15.26	63.87	15.72	65.11	16.02	67.59	16.94		
	43.00	39.45	11.90	45.52	13.74	51.59	15.73	60.69	15.55	62.51	16.01	63.73	16.32	66.15	17.26		
46.00	38.18	13.28	44.05	14.82	49.92	16.96	58.73	17.69	60.49	18.22	61.67	18.57	64.02	19.63			
50.00	31.02	13.60	35.79	14.94	40.56	17.10	47.72	18.40	49.15	18.95	50.11	19.32	52.02	20.42			
50%	-5.00	35.62	8.42	41.10	8.89	46.58	10.18	54.80	10.58	56.44	10.90	57.54	11.11	59.73	11.75		
	0.00	35.62	8.42	41.10	8.89	46.58	10.18	54.80	10.58	56.44	10.90	57.54	11.11	59.73	11.75		
	5.00	35.62	8.42	41.10	8.89	46.58	10.18	54.80	10.58	56.44	10.90	57.54	11.11	59.73	11.75		
	10.00	35.27	8.42	40.70	8.89	46.12	10.18	54.26	10.58	55.89	10.90	56.98	11.11	59.15	11.75		
	15.00	35.27	8.51	40.70	8.99	46.12	10.29	54.26	10.70	55.89	11.02	56.98	11.24	59.15	11.88		
	20.00	36.31	8.42	41.90	8.89	47.48	10.18	55.86	10.58	57.54	10.90	58.65	11.11	60.89	11.75		
	25.00	35.27	8.61	40.70	9.09	46.12	10.40	54.26	10.82	55.89	11.14	56.98	11.36	59.15	12.01		
	30.00	35.62	8.89	41.10	9.39	46.58	10.74	54.80	11.17	56.44	11.51	57.54	11.73	59.73	12.40		
	35.00	34.58	9.36	39.90	9.88	45.22	11.31	53.20	11.76	54.80	12.11	55.86	12.35	57.99	13.05		
	39.00	33.20	9.64	38.30	10.57	43.41	12.10	51.07	12.35	52.60	12.72	53.63	12.97	55.67	13.71		
	41.00	32.51	9.73	37.51	10.87	42.51	12.44	50.01	12.58	51.51	12.96	52.51	13.21	54.51	13.97		
	43.00	31.81	9.82	36.71	11.36	41.60	13.00	48.94	12.82	50.41	13.20	51.39	13.46	53.35	14.23		
46.00	30.22	10.50	34.87	11.65	39.52	13.33	46.50	13.85	47.89	14.27	48.82	14.55	50.68	15.38			
50.00	29.27	10.96	33.77	11.74	38.27	13.44	45.03	14.41	46.38	14.84	47.28	15.13	49.08	16.00			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT040S73HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	80.23	20.79	92.58	23.01	104.92	26.34	123.44	27.72	127.14	28.56	129.61	29.11	134.54	30.77
	0.00	80.23	20.79	92.58	23.01	104.92	26.34	123.44	27.72	127.14	28.56	129.61	29.11	134.54	30.77
	5.00	80.23	20.79	92.58	23.01	104.92	26.34	123.44	27.72	127.14	28.56	129.61	29.11	134.54	30.77
	10.00	79.45	20.79	91.68	23.01	103.90	26.34	122.24	27.72	125.90	28.56	128.35	29.11	133.24	30.77
	15.00	79.45	21.02	91.68	23.27	103.90	26.63	122.24	28.03	125.90	28.87	128.35	29.43	133.24	31.12
	20.00	81.79	20.79	94.37	23.01	106.96	8.86	125.83	8.86	129.61	8.86	132.12	8.86	137.16	30.77
	25.00	79.45	21.25	91.68	23.52	103.90	26.92	122.24	28.34	125.90	29.19	128.35	29.76	133.24	31.46
	30.00	80.23	21.95	92.58	24.29	104.92	27.80	123.44	29.26	127.14	30.14	129.61	30.73	134.54	32.48
	35.00	77.90	23.10	89.88	25.57	101.86	29.26	119.84	30.80	123.44	31.73	125.83	32.34	130.63	34.19
	39.00	74.78	23.80	86.28	27.36	97.79	31.31	115.05	32.34	118.50	33.31	120.80	33.96	125.40	35.90
	41.00	73.22	24.26	84.49	28.40	95.75	32.51	112.65	33.28	116.03	34.28	118.28	34.95	122.79	36.94
	43.00	71.66	24.50	82.69	29.69	93.71	33.98	110.25	33.91	113.56	34.92	115.77	35.60	120.18	37.64
46.00	62.32	26.83	71.90	32.01	81.49	36.64	95.87	38.57	98.75	39.73	100.67	40.50	104.50	42.81	
50.00	50.63	28.00	58.42	32.27	66.21	36.94	77.90	40.13	80.23	41.33	81.79	42.13	84.91	44.54	
120%	-5.00	78.73	20.79	90.85	23.01	102.96	26.34	121.13	27.72	124.76	28.56	127.18	29.11	132.03	30.77
	0.00	78.73	20.79	90.85	23.01	102.96	26.34	121.13	27.72	124.76	28.56	127.18	29.11	132.03	30.77
	5.00	78.73	20.79	90.85	23.01	102.96	26.34	121.13	27.72	124.76	28.56	127.18	29.11	132.03	30.77
	10.00	77.97	20.79	89.96	23.01	101.96	26.34	119.95	27.72	123.55	28.56	125.95	29.11	130.75	30.77
	15.00	77.97	21.02	89.96	23.27	101.96	26.63	119.95	28.03	123.55	28.87	125.95	29.43	130.75	31.12
	20.00	80.26	20.79	92.61	23.01	104.96	26.34	123.48	27.72	127.18	28.56	129.65	29.11	134.59	30.77
	25.00	77.97	21.25	89.96	23.52	101.96	26.92	119.95	28.34	123.55	29.19	125.95	29.76	130.75	31.46
	30.00	78.73	21.95	90.85	24.29	102.96	27.80	121.13	29.26	124.76	30.14	127.18	30.73	132.03	32.48
	35.00	76.44	23.10	88.20	25.57	99.96	29.26	117.60	30.80	121.13	31.73	123.48	32.34	128.18	34.19
	39.00	73.38	23.68	84.67	27.23	95.96	31.16	112.90	32.19	116.28	33.04	118.54	33.67	123.06	35.73
	41.00	71.85	23.91	82.91	27.99	93.96	32.04	110.54	32.80	113.86	33.79	116.07	34.44	120.49	36.41
	43.00	70.32	24.14	81.14	29.26	91.96	33.49	108.19	33.42	111.44	34.42	113.60	35.09	117.93	37.09
46.00	61.15	26.44	70.56	31.55	79.97	36.11	94.08	38.01	96.90	39.15	98.78	39.91	102.55	42.20	
50.00	49.69	27.59	57.33	31.81	64.97	36.40	76.44	39.55	78.73	40.73	80.26	41.52	83.32	43.90	
110%	-5.00	77.23	20.69	89.12	22.90	101.00	26.21	118.82	27.59	122.39	28.42	124.76	28.97	129.51	30.62
	0.00	77.23	20.69	89.12	22.90	101.00	26.21	118.82	27.59	122.39	28.42	124.76	28.97	129.51	30.62
	5.00	77.23	20.69	89.12	22.90	101.00	26.21	118.82	27.59	122.39	28.42	124.76	28.97	129.51	30.62
	10.00	76.48	20.69	88.25	22.90	100.02	26.21	117.67	27.59	121.20	28.42	123.55	28.97	128.26	30.62
	15.00	76.48	20.92	88.25	23.15	100.02	26.50	117.67	27.89	121.20	28.73	123.55	29.29	128.26	30.96
	20.00	78.73	20.69	90.85	22.90	102.96	26.21	121.13	27.59	124.76	28.42	127.18	28.97	132.03	30.62
	25.00	76.48	21.15	88.25	23.41	100.02	26.79	117.67	28.20	121.20	29.05	123.55	29.61	128.26	31.30
	30.00	77.23	21.84	89.12	24.17	101.00	27.66	118.82	29.12	122.39	29.99	124.76	30.58	129.51	32.32
	35.00	74.98	22.99	86.52	25.44	98.06	29.12	115.36	30.65	118.82	31.57	121.13	32.19	125.74	34.02
	39.00	71.98	23.68	83.06	27.22	94.13	31.16	110.75	32.19	114.07	33.15	116.28	33.79	120.71	35.73
	41.00	70.48	23.91	81.33	27.99	92.17	32.03	108.44	32.80	111.69	33.78	113.86	34.44	118.20	36.41
	43.00	68.99	24.14	79.60	29.26	90.21	33.49	106.13	33.41	109.32	34.41	111.44	35.08	115.68	37.09
46.00	59.99	26.44	69.22	31.55	78.44	36.11	92.29	38.01	95.06	39.15	96.90	39.91	100.59	42.19	
50.00	48.74	27.59	56.24	31.80	63.74	36.40	74.98	39.54	77.23	40.73	78.73	41.52	81.73	43.89	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT040S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	74.98	20.39	86.52	22.56	98.06	25.82	115.36	27.18	118.82	28.00	121.13	28.54	125.74	30.17		
	0.00	74.98	20.39	86.52	22.56	98.06	25.82	115.36	27.18	118.82	28.00	121.13	28.54	125.74	30.17		
	5.00	74.98	20.39	86.52	22.56	98.06	25.82	115.36	27.18	118.82	28.00	121.13	28.54	125.74	30.17		
	10.00	74.26	20.39	85.68	22.56	97.10	25.82	114.24	27.18	117.67	28.00	119.95	28.54	124.52	30.17		
	15.00	74.26	20.61	85.68	22.81	97.10	26.11	114.24	27.48	117.67	28.31	119.95	28.86	124.52	30.51		
	20.00	76.44	20.39	88.20	22.56	99.96	25.82	117.60	27.18	121.13	28.00	123.48	28.54	128.18	30.17		
	25.00	74.26	20.84	85.68	23.06	97.10	26.39	114.24	27.78	117.67	28.62	119.95	29.17	124.52	30.84		
	30.00	74.98	21.52	86.52	23.81	98.06	27.26	115.36	28.69	118.82	29.55	121.13	30.12	125.74	31.85		
	35.00	72.80	22.65	84.00	25.07	95.20	28.69	112.00	30.20	115.36	31.11	117.60	31.71	122.08	33.52		
	39.00	69.89	23.33	80.64	26.82	91.39	30.70	107.52	31.71	110.75	32.66	112.90	33.30	117.20	35.20		
	41.00	68.43	23.56	78.96	27.57	89.49	31.56	105.28	32.31	108.44	33.28	110.54	33.93	114.76	35.87		
	43.00	66.98	23.78	77.28	28.83	87.58	32.99	103.04	32.92	106.13	33.91	108.19	34.56	112.31	36.54		
46.00	58.24	26.05	67.20	31.08	76.16	35.58	89.60	37.45	92.29	38.57	94.08	39.32	97.66	41.57			
50.00	47.32	27.18	54.60	31.33	61.88	35.86	72.80	38.96	74.98	40.13	76.44	40.91	79.35	43.24			
90%	-5.00	67.49	16.92	77.87	18.72	88.25	21.43	103.82	22.56	106.94	23.24	109.02	23.69	113.17	25.04		
	0.00	67.49	16.92	77.87	18.72	88.25	21.43	103.82	22.56	106.94	23.24	109.02	23.69	113.17	25.04		
	5.00	67.49	16.92	77.87	18.72	88.25	21.43	103.82	22.56	106.94	23.24	109.02	23.69	113.17	25.04		
	10.00	66.83	16.92	77.11	18.72	87.39	21.43	102.82	22.56	105.90	23.24	107.96	23.69	112.07	25.04		
	15.00	66.83	17.11	77.11	18.93	87.39	21.67	102.82	22.81	105.90	23.49	107.96	23.95	112.07	25.32		
	20.00	68.80	16.92	79.38	18.72	89.96	21.43	105.84	22.56	109.02	23.24	111.13	23.69	115.37	25.04		
	25.00	66.83	17.30	77.11	19.14	87.39	21.91	102.82	23.06	105.90	23.75	107.96	24.21	112.07	25.60		
	30.00	67.49	17.86	77.87	19.76	88.25	22.62	103.82	23.81	106.94	24.53	109.02	25.00	113.17	26.43		
	35.00	65.52	18.80	75.60	20.80	85.68	23.81	100.80	25.07	103.82	25.82	105.84	26.32	109.87	27.82		
	39.00	62.90	19.36	72.58	22.26	82.25	25.48	96.77	26.32	99.67	27.11	101.61	27.64	105.48	29.21		
	41.00	61.59	19.55	71.06	22.89	80.54	26.19	94.75	26.82	97.59	27.63	99.49	28.16	103.28	29.77		
	43.00	60.28	19.74	69.55	23.93	78.83	27.38	92.74	27.32	95.52	28.14	97.37	28.69	101.08	30.33		
46.00	56.06	20.84	64.68	24.87	73.31	28.46	86.24	29.96	88.83	30.86	90.56	31.46	94.01	33.25			
50.00	53.04	22.56	61.21	26.01	69.37	29.77	81.61	32.34	84.06	33.31	85.69	33.95	88.95	35.89			
80%	-5.00	59.99	14.47	69.22	16.02	78.44	18.33	92.29	19.30	95.06	19.88	96.90	20.26	100.59	21.42		
	0.00	59.99	14.47	69.22	16.02	78.44	18.33	92.29	19.30	95.06	19.88	96.90	20.26	100.59	21.42		
	5.00	59.99	14.47	69.22	16.02	78.44	18.33	92.29	19.30	95.06	19.88	96.90	20.26	100.59	21.42		
	10.00	59.40	14.47	68.54	16.02	77.68	18.33	91.39	19.30	94.13	19.88	95.96	20.26	99.62	21.42		
	15.00	59.40	14.63	68.54	16.20	77.68	18.54	91.39	19.51	94.13	20.10	95.96	20.49	99.62	21.66		
	20.00	61.15	14.47	70.56	16.02	79.97	18.33	94.08	19.30	96.90	19.88	98.78	20.26	102.55	21.42		
	25.00	59.40	14.79	68.54	16.37	77.68	18.74	91.39	19.73	94.13	20.32	95.96	20.71	99.62	21.90		
	30.00	61.49	15.28	70.95	16.91	80.41	19.35	94.60	20.37	97.43	20.98	99.32	21.39	103.11	22.61		
	35.00	59.70	16.08	68.88	17.80	78.06	20.37	91.84	21.44	94.60	22.09	96.43	22.51	100.11	23.80		
	39.00	57.31	16.56	66.12	19.04	74.94	21.80	88.17	22.51	90.81	23.19	92.57	23.64	96.10	24.99		
	41.00	56.11	16.72	64.75	19.58	73.38	22.41	86.33	22.94	88.92	23.63	90.65	24.09	94.10	25.47		
	43.00	54.92	16.89	63.37	20.47	71.82	23.43	84.49	23.37	87.03	24.07	88.72	24.54	92.10	25.94		
46.00	51.83	18.49	59.81	22.07	67.78	25.26	79.74	26.59	82.14	27.39	83.73	27.92	86.92	29.51			
50.00	44.01	19.30	50.78	22.25	57.55	25.46	67.70	27.66	69.74	28.49	71.09	29.04	73.80	30.70			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT040S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	53.99	12.23	62.29	13.54	70.60	15.49	83.06	16.31	85.55	16.80	87.21	17.12	90.53	18.10		
	0.00	53.99	12.23	62.29	13.54	70.60	15.49	83.06	16.31	85.55	16.80	87.21	17.12	90.53	18.10		
	5.00	53.99	12.23	62.29	13.54	70.60	15.49	83.06	16.31	85.55	16.80	87.21	17.12	90.53	18.10		
	10.00	53.46	12.23	61.69	13.54	69.91	15.49	82.25	16.31	84.72	16.80	86.37	17.12	89.66	18.10		
	15.00	53.46	12.37	61.69	13.69	69.91	15.66	82.25	16.49	84.72	16.98	86.37	17.31	89.66	18.30		
	20.00	55.04	12.23	63.50	13.54	71.97	15.49	84.67	16.31	87.21	16.80	88.91	17.12	92.29	18.10		
	25.00	53.46	12.50	61.69	13.84	69.91	15.84	82.25	16.67	84.72	17.17	86.37	17.50	89.66	18.50		
	30.00	53.99	12.91	62.29	14.29	70.60	16.35	83.06	17.21	85.55	17.73	87.21	18.07	90.53	19.11		
	35.00	52.42	13.59	60.48	15.04	68.54	17.21	80.64	18.12	83.06	18.66	84.67	19.03	87.90	20.11		
	39.00	50.32	14.00	58.06	16.09	65.80	18.42	77.41	19.03	79.74	19.60	81.29	19.98	84.38	21.12		
	41.00	49.27	14.13	56.85	16.54	64.43	18.94	75.80	19.39	78.08	19.97	79.59	20.36	82.62	21.52		
	43.00	48.22	14.27	55.64	17.30	63.06	19.80	74.19	19.75	76.41	20.34	77.90	20.74	80.87	21.92		
46.00	45.43	15.11	52.42	18.03	59.40	21.35	69.89	21.35	71.98	21.99	73.38	22.41	76.18	23.69			
50.00	36.91	15.49	42.59	17.86	48.27	21.52	56.78	22.21	58.49	22.87	59.62	23.32	61.89	24.65			
60%	-5.00	46.49	10.19	53.64	11.28	60.79	12.91	71.52	13.32	73.67	13.72	75.10	13.98	77.96	14.78		
	0.00	46.49	10.19	53.64	11.28	60.79	12.91	71.52	13.32	73.67	13.72	75.10	13.98	77.96	14.78		
	5.00	46.49	10.19	53.64	11.28	60.79	12.91	71.52	13.32	73.67	13.72	75.10	13.98	77.96	14.78		
	10.00	46.04	10.19	53.12	11.28	60.20	12.91	70.83	13.32	72.95	13.72	74.37	13.98	77.20	14.78		
	15.00	46.04	10.31	53.12	11.41	60.20	13.05	70.83	13.47	72.95	13.87	74.37	14.14	77.20	14.95		
	20.00	47.39	10.19	54.68	11.28	61.98	12.91	72.91	13.32	75.10	13.72	76.56	13.98	79.47	14.78		
	25.00	46.04	10.42	53.12	11.53	60.20	13.20	70.83	13.61	72.95	14.02	74.37	14.29	77.20	15.11		
	30.00	46.49	10.33	53.64	11.43	60.79	13.08	71.52	14.06	73.67	14.48	75.10	14.76	77.96	15.60		
	35.00	45.14	10.87	52.08	12.03	59.02	13.77	69.44	14.80	71.52	15.24	72.91	15.54	75.69	16.43		
	39.00	43.33	11.20	50.00	12.87	56.66	14.74	66.66	15.54	68.66	16.00	70.00	16.31	72.66	17.25		
	41.00	42.43	11.31	48.96	13.23	55.48	15.15	65.27	15.83	67.23	16.31	68.54	16.63	71.15	17.58		
	43.00	41.53	11.42	47.91	13.84	54.30	15.84	63.88	16.13	65.80	16.61	67.08	16.94	69.63	17.90		
46.00	40.19	12.50	46.37	14.92	52.55	17.08	61.82	18.35	63.68	18.90	64.92	19.27	67.39	20.37			
50.00	32.65	13.05	37.67	15.04	42.70	17.21	50.23	19.09	51.74	19.66	52.74	20.04	54.75	21.19			
50%	-5.00	37.49	8.15	43.26	9.02	49.03	10.33	57.68	10.87	59.41	11.20	60.56	11.42	62.87	12.07		
	0.00	37.49	8.15	43.26	9.02	49.03	10.33	57.68	10.87	59.41	11.20	60.56	11.42	62.87	12.07		
	5.00	37.49	8.15	43.26	9.02	49.03	10.33	57.68	10.87	59.41	11.20	60.56	11.42	62.87	12.07		
	10.00	37.13	8.15	42.84	9.02	48.55	10.33	57.12	10.87	58.83	11.20	59.98	11.42	62.26	12.07		
	15.00	37.13	8.24	42.84	9.12	48.55	10.44	57.12	10.99	58.83	11.32	59.98	11.54	62.26	12.20		
	20.00	38.22	8.15	44.10	9.02	49.98	10.33	58.80	10.87	60.56	11.20	61.74	11.42	64.09	12.07		
	25.00	37.13	8.34	42.84	9.22	48.55	10.56	57.12	11.11	58.83	11.45	59.98	11.67	62.26	12.34		
	30.00	37.49	8.61	43.26	9.53	49.03	10.90	57.68	11.48	59.41	11.82	60.56	12.05	62.87	12.74		
	35.00	36.40	9.06	42.00	10.03	47.60	11.48	56.00	12.08	57.68	12.44	58.80	12.68	61.04	13.41		
	39.00	34.94	9.33	40.32	10.73	45.70	12.28	53.76	12.68	55.37	13.06	56.45	13.32	58.60	14.08		
	41.00	34.22	9.42	39.48	11.03	44.74	12.62	52.64	12.93	54.22	13.31	55.27	13.57	57.38	14.35		
	43.00	33.49	9.51	38.64	11.53	43.79	13.20	51.52	13.17	53.07	13.56	54.10	13.83	56.16	14.62		
46.00	31.81	9.90	36.71	11.81	41.60	13.52	48.94	14.23	50.41	14.66	51.39	14.94	53.35	15.80			
50.00	30.81	10.33	35.55	11.91	40.29	13.63	47.40	14.80	48.82	15.25	49.77	15.54	51.66	16.43			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT042S73HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	84.17	21.76	97.12	24.08	110.07	27.56	129.50	29.01	133.38	29.88	135.97	30.46	141.15	32.20
	0.00	84.17	21.76	97.12	24.08	110.07	27.56	129.50	29.01	133.38	29.88	135.97	30.46	141.15	32.20
	5.00	84.17	21.76	97.12	24.08	110.07	27.56	129.50	29.01	133.38	29.88	135.97	30.46	141.15	32.20
	10.00	83.36	21.76	96.18	24.08	109.00	27.56	128.24	29.01	132.09	29.88	134.65	30.46	139.78	32.20
	15.00	83.36	22.00	96.18	24.34	109.00	27.86	128.24	29.33	132.09	30.21	134.65	30.80	139.78	32.56
	20.00	85.81	21.76	99.01	24.08	112.21	8.86	132.01	8.86	135.97	8.86	138.61	8.86	143.89	32.20
	25.00	83.36	22.24	96.18	24.61	109.00	28.17	128.24	29.65	132.09	30.54	134.65	31.14	139.78	32.92
	30.00	84.17	22.97	97.12	25.41	110.07	29.09	129.50	30.62	133.38	31.54	135.97	32.15	141.15	33.99
	35.00	81.72	24.17	94.29	26.75	106.87	30.62	125.73	32.23	129.50	33.20	132.01	33.84	137.04	35.78
	39.00	78.45	24.90	90.52	28.63	102.59	32.76	120.70	33.84	124.32	34.86	126.73	35.54	131.56	37.57
	41.00	76.82	25.39	88.64	29.72	100.45	34.01	118.18	34.83	121.73	35.87	124.09	36.57	128.82	38.66
	43.00	75.18	25.63	86.75	31.07	98.32	35.56	115.67	35.48	119.14	36.54	121.45	37.25	126.08	39.38
46.00	65.38	28.07	75.44	33.50	85.49	38.34	100.58	40.36	103.60	41.57	105.61	42.38	109.63	44.80	
50.00	53.12	29.29	61.29	33.77	69.46	38.65	81.72	41.99	84.17	43.25	85.81	44.09	89.08	46.61	
120%	-5.00	82.60	21.76	95.31	24.08	108.01	27.56	127.08	29.01	130.89	29.88	133.43	30.46	138.51	32.20
	0.00	82.60	21.76	95.31	24.08	108.01	27.56	127.08	29.01	130.89	29.88	133.43	30.46	138.51	32.20
	5.00	82.60	21.76	95.31	24.08	108.01	27.56	127.08	29.01	130.89	29.88	133.43	30.46	138.51	32.20
	10.00	81.80	21.76	94.38	24.08	106.97	27.56	125.84	29.01	129.62	29.88	132.13	30.46	137.17	32.20
	15.00	81.80	22.00	94.38	24.34	106.97	27.86	125.84	29.33	129.62	30.21	132.13	30.80	137.17	32.56
	20.00	84.20	21.76	97.16	24.08	110.11	27.56	129.54	29.01	133.43	29.88	136.02	30.46	141.20	32.20
	25.00	81.80	22.24	94.38	24.61	106.97	28.17	125.84	29.65	129.62	30.54	132.13	31.14	137.17	32.92
	30.00	82.60	22.97	95.31	25.41	108.01	29.09	127.08	30.62	130.89	31.54	133.43	32.15	138.51	33.99
	35.00	80.19	24.17	92.53	26.75	104.87	30.62	123.38	32.23	127.08	33.20	129.54	33.84	134.48	35.78
	39.00	76.99	24.78	88.83	28.49	100.67	32.61	118.44	33.68	121.99	8.04	124.36	13.67	129.10	37.39
	41.00	75.38	25.02	86.98	29.29	98.58	33.52	115.97	34.32	119.45	35.35	121.77	36.04	126.41	38.10
	43.00	73.78	25.26	85.13	30.62	96.48	35.04	113.51	34.96	116.91	36.01	119.18	36.71	123.72	38.81
46.00	64.16	27.67	74.03	33.01	83.90	37.79	98.70	39.78	101.66	40.97	103.64	41.76	107.58	44.15	
50.00	52.13	28.87	60.15	33.28	68.16	38.09	80.19	41.38	82.60	42.62	84.20	43.45	87.41	45.93	
110%	-5.00	81.03	21.65	93.49	23.96	105.96	27.42	124.66	28.87	128.40	29.73	130.89	30.31	135.87	32.04
	0.00	81.03	21.65	93.49	23.96	105.96	27.42	124.66	28.87	128.40	29.73	130.89	30.31	135.87	32.04
	5.00	81.03	21.65	93.49	23.96	105.96	27.42	124.66	28.87	128.40	29.73	130.89	30.31	135.87	32.04
	10.00	80.24	21.65	92.58	23.96	104.93	27.42	123.45	28.87	127.15	29.73	129.62	30.31	134.56	32.04
	15.00	80.24	21.89	92.58	24.23	104.93	27.73	123.45	29.19	127.15	30.06	129.62	30.65	134.56	32.40
	20.00	82.60	21.65	95.31	23.96	108.01	27.42	127.08	28.87	130.89	29.73	133.43	30.31	138.51	32.04
	25.00	80.24	22.13	92.58	24.49	104.93	28.03	123.45	29.51	127.15	30.39	129.62	30.98	134.56	32.75
	30.00	81.03	22.85	93.49	25.29	105.96	28.95	124.66	30.47	128.40	31.38	130.89	31.99	135.87	33.82
	35.00	78.67	24.06	90.77	26.62	102.87	30.47	121.03	32.07	124.66	33.04	127.08	33.68	131.92	35.60
	39.00	75.52	24.78	87.14	28.48	98.76	32.60	116.18	33.68	119.67	34.69	121.99	35.36	126.64	37.38
	41.00	73.95	25.02	85.32	29.28	96.70	33.52	113.76	34.32	117.18	35.35	119.45	36.04	124.00	38.09
	43.00	72.37	25.26	83.51	30.61	94.64	35.04	111.34	34.96	114.68	36.01	116.91	36.71	121.36	38.81
46.00	62.93	27.66	72.62	33.01	82.30	37.78	96.82	39.77	99.72	40.96	101.66	41.76	105.53	44.15	
50.00	51.13	28.87	59.00	33.28	66.87	38.09	78.67	41.38	81.03	42.62	82.60	43.44	85.75	45.93	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT042S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	78.67	21.33	90.77	23.61	102.87	27.02	121.03	28.44	124.66	29.29	127.08	29.86	131.92	31.57		
	0.00	78.67	21.33	90.77	23.61	102.87	27.02	121.03	28.44	124.66	29.29	127.08	29.86	131.92	31.57		
	5.00	78.67	21.33	90.77	23.61	102.87	27.02	121.03	28.44	124.66	29.29	127.08	29.86	131.92	31.57		
	10.00	77.90	21.33	89.89	23.61	101.87	27.02	119.85	28.44	123.45	29.29	125.84	29.86	130.64	31.57		
	15.00	77.90	21.57	89.89	23.87	101.87	27.32	119.85	28.76	123.45	29.62	125.84	30.19	130.64	31.92		
	20.00	80.19	21.33	92.53	23.61	104.87	27.02	123.38	28.44	127.08	29.29	129.54	29.86	134.48	31.57		
	25.00	77.90	21.80	89.89	24.13	101.87	27.62	119.85	29.07	123.45	29.94	125.84	30.53	130.64	32.27		
	30.00	78.67	22.52	90.77	24.92	102.87	28.52	121.03	30.02	124.66	30.92	127.08	31.52	131.92	33.32		
	35.00	76.38	23.70	88.13	26.23	99.88	30.02	117.50	31.60	121.03	32.55	123.38	33.18	128.08	35.08		
	39.00	73.32	24.41	84.60	28.06	95.88	32.12	112.80	33.18	116.18	34.18	118.44	34.84	122.95	36.83		
	41.00	71.79	24.65	82.84	28.85	93.88	33.02	110.45	33.81	113.76	34.83	115.97	35.50	120.39	37.53		
	43.00	70.27	24.89	81.08	30.16	91.89	34.52	108.10	34.44	111.34	35.48	113.51	36.17	117.83	38.23		
	46.00	61.10	27.26	70.50	32.52	79.90	37.22	94.00	39.18	96.82	40.36	98.70	41.14	102.46	43.49		
50.00	49.64	28.44	57.28	32.79	64.92	37.53	76.38	40.76	78.67	41.99	80.19	42.80	83.25	45.25			
90%	-5.00	70.80	17.70	81.69	19.59	92.58	22.42	108.92	23.61	112.19	24.31	114.37	24.79	118.73	26.20		
	0.00	70.80	17.70	81.69	19.59	92.58	22.42	108.92	23.61	112.19	24.31	114.37	24.79	118.73	26.20		
	5.00	70.80	17.70	81.69	19.59	92.58	22.42	108.92	23.61	112.19	24.31	114.37	24.79	118.73	26.20		
	10.00	70.11	17.70	80.90	19.59	91.69	22.42	107.87	23.61	111.10	24.31	113.26	24.79	117.57	26.20		
	15.00	70.11	17.90	80.90	19.81	91.69	22.67	107.87	23.87	111.10	24.58	113.26	25.06	117.57	26.49		
	20.00	72.17	17.70	83.28	19.59	94.38	22.42	111.04	23.61	114.37	24.31	116.59	24.79	121.03	26.20		
	25.00	70.11	18.10	80.90	20.03	91.69	22.92	107.87	24.13	111.10	24.85	113.26	25.34	117.57	26.78		
	30.00	70.80	18.69	81.69	20.68	92.58	23.67	108.92	24.92	112.19	25.66	114.37	26.16	118.73	27.66		
	35.00	68.74	19.67	79.31	21.77	89.89	24.92	105.75	26.23	108.92	27.01	111.04	27.54	115.27	29.11		
	39.00	65.99	20.26	76.14	23.29	86.29	26.66	101.52	27.54	104.57	28.37	106.60	28.92	110.66	30.57		
	41.00	64.61	20.46	74.55	23.95	84.49	27.41	99.41	28.06	102.39	28.91	104.38	29.47	108.35	31.15		
	43.00	63.24	20.65	72.97	25.03	82.70	28.65	97.29	28.59	100.21	29.45	102.15	30.02	106.05	31.73		
	46.00	58.81	21.80	67.86	26.02	76.91	29.78	90.48	31.35	93.19	32.29	95.00	32.91	98.62	34.80		
50.00	55.65	23.61	64.21	27.21	72.77	31.15	85.62	33.83	88.18	34.85	89.90	35.53	93.32	37.56			
80%	-5.00	62.93	15.14	72.62	16.76	82.30	19.18	96.82	20.19	99.72	20.80	101.66	21.20	105.53	22.41		
	0.00	62.93	15.14	72.62	16.76	82.30	19.18	96.82	20.19	99.72	20.80	101.66	21.20	105.53	22.41		
	5.00	62.93	15.14	72.62	16.76	82.30	19.18	96.82	20.19	99.72	20.80	101.66	21.20	105.53	22.41		
	10.00	62.32	15.14	71.91	16.76	81.50	19.18	95.88	20.19	98.76	20.80	100.67	21.20	104.51	22.41		
	15.00	62.32	15.31	71.91	16.95	81.50	19.40	95.88	20.42	98.76	21.03	100.67	21.44	104.51	22.66		
	20.00	64.16	15.14	74.03	16.76	83.90	19.18	98.70	20.19	101.66	20.80	103.64	21.20	107.58	22.41		
	25.00	62.32	15.48	71.91	17.13	81.50	19.61	95.88	20.64	98.76	21.26	100.67	21.67	104.51	22.91		
	30.00	64.51	15.99	74.43	17.69	84.35	20.25	99.24	21.31	102.22	21.95	104.20	22.38	108.17	23.66		
	35.00	62.63	16.83	72.26	18.62	81.90	21.31	96.35	22.44	99.24	23.11	101.17	23.56	105.02	24.90		
	39.00	60.12	17.33	69.37	19.93	78.62	22.81	92.50	23.56	95.27	24.26	97.12	24.74	100.82	26.15		
	41.00	58.87	17.50	67.93	20.48	76.98	23.45	90.57	24.01	93.29	24.73	95.10	25.21	98.72	26.65		
	43.00	57.62	17.67	66.48	21.42	75.35	24.51	88.64	24.46	91.30	25.19	93.07	25.68	96.62	27.15		
	46.00	54.38	19.35	62.75	23.09	71.11	26.43	83.66	27.82	86.17	28.66	87.84	29.21	91.19	30.88		
50.00	46.17	20.19	53.27	23.28	60.37	26.64	71.03	28.94	73.16	29.81	74.58	30.39	77.42	32.13			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT042S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5.00	56.64	12.80	65.35	14.16	74.07	16.21	87.14	17.06	89.75	17.58	91.49	17.92	94.98	18.94		
	0.00	56.64	12.80	65.35	14.16	74.07	16.21	87.14	17.06	89.75	17.58	91.49	17.92	94.98	18.94		
	5.00	56.64	12.80	65.35	14.16	74.07	16.21	87.14	17.06	89.75	17.58	91.49	17.92	94.98	18.94		
	10.00	56.09	12.80	64.72	14.16	73.35	16.21	86.29	17.06	88.88	17.58	90.61	17.92	94.06	18.94		
	15.00	56.09	12.94	64.72	14.32	73.35	16.39	86.29	17.25	88.88	17.77	90.61	18.12	94.06	19.15		
	20.00	57.74	12.80	66.62	14.16	75.51	16.21	88.83	17.06	91.49	17.58	93.27	17.92	96.82	18.94		
	25.00	56.09	13.08	64.72	14.48	73.35	16.57	86.29	17.44	88.88	17.97	90.61	18.32	94.06	19.36		
	30.00	56.64	13.51	65.35	14.95	74.07	17.11	87.14	18.01	89.75	18.55	91.49	18.91	94.98	19.99		
	35.00	54.99	14.22	63.45	15.74	71.91	18.01	84.60	18.96	87.14	19.53	88.83	19.91	92.21	21.05		
	39.00	52.79	14.65	60.91	16.84	69.03	19.27	81.22	19.91	83.65	20.51	85.28	20.90	88.53	22.10		
	41.00	51.69	14.79	59.64	17.31	67.60	19.81	79.52	20.29	81.91	20.90	83.50	21.30	86.68	22.52		
	43.00	50.59	14.93	58.37	18.10	66.16	20.71	77.83	20.67	80.17	21.29	81.72	21.70	84.84	22.94		
46.00	47.66	15.67	54.99	18.69	62.32	21.75	73.32	22.33	75.52	23.00	76.99	23.45	79.92	24.79			
50.00	38.72	16.21	44.68	18.69	50.64	21.93	59.57	23.24	61.36	23.93	62.55	24.40	64.93	25.79			
60%	-5.00	48.77	10.55	56.28	11.68	63.78	13.37	75.04	13.94	77.29	14.35	78.79	14.63	81.79	15.47		
	0.00	48.77	10.55	56.28	11.68	63.78	13.37	75.04	13.94	77.29	14.35	78.79	14.63	81.79	15.47		
	5.00	48.77	10.55	56.28	11.68	63.78	13.37	75.04	13.94	77.29	14.35	78.79	14.63	81.79	15.47		
	10.00	48.30	10.55	55.73	11.68	63.16	13.37	74.31	13.94	76.54	14.35	78.02	14.63	80.99	15.47		
	15.00	48.30	10.67	55.73	11.81	63.16	13.52	74.31	14.09	76.54	14.51	78.02	14.79	80.99	15.64		
	20.00	49.72	10.55	57.37	11.68	65.02	13.37	76.49	13.94	78.79	14.35	80.32	14.63	83.38	15.47		
	25.00	48.30	10.79	55.73	11.94	63.16	13.66	74.31	14.25	76.54	14.67	78.02	14.96	80.99	15.81		
	30.00	48.77	10.92	56.28	12.09	63.78	13.84	75.04	14.71	77.29	15.15	78.79	15.45	81.79	16.33		
	35.00	47.35	11.50	54.64	12.73	61.92	14.57	72.85	15.48	75.04	15.95	76.49	16.26	79.41	17.19		
	39.00	45.46	11.84	52.45	13.62	59.45	15.59	69.94	16.26	72.03	16.75	73.43	17.07	76.23	18.05		
	41.00	44.51	11.96	51.36	14.00	58.21	16.02	68.48	16.57	70.53	17.06	71.90	17.40	74.64	18.39		
	43.00	43.56	12.07	50.27	14.64	56.97	16.75	67.02	16.88	69.03	17.38	70.37	17.72	73.05	18.73		
46.00	42.16	13.22	48.65	15.78	55.13	18.06	64.86	19.20	66.81	19.78	68.10	20.16	70.70	21.31			
50.00	34.25	13.80	39.52	15.91	44.79	18.21	52.70	19.97	54.28	20.57	55.33	20.97	57.44	22.17			
50%	-5.00	39.33	8.53	45.38	9.44	51.44	10.81	60.51	11.38	62.33	11.72	63.54	11.94	65.96	12.63		
	0.00	39.33	8.53	45.38	9.44	51.44	10.81	60.51	11.38	62.33	11.72	63.54	11.94	65.96	12.63		
	5.00	39.33	8.53	45.38	9.44	51.44	10.81	60.51	11.38	62.33	11.72	63.54	11.94	65.96	12.63		
	10.00	38.95	8.53	44.94	9.44	50.94	10.81	59.93	11.38	61.72	11.72	62.92	11.94	65.32	12.63		
	15.00	38.95	8.63	44.94	9.55	50.94	10.93	59.93	11.50	61.72	11.85	62.92	12.08	65.32	12.77		
	20.00	40.10	8.53	46.27	9.44	52.43	10.81	61.69	11.38	63.54	11.72	64.77	11.94	67.24	12.63		
	25.00	38.95	8.72	44.94	9.65	50.94	11.05	59.93	11.63	61.72	11.98	62.92	12.21	65.32	12.91		
	30.00	39.33	9.01	45.38	9.97	51.44	11.41	60.51	12.01	62.33	12.37	63.54	12.61	65.96	13.33		
	35.00	38.19	9.48	44.06	10.49	49.94	12.01	58.75	12.64	60.51	13.02	61.69	13.27	64.04	14.03		
	39.00	36.66	9.76	42.30	11.23	47.94	12.85	56.40	13.27	58.09	13.67	59.22	13.94	61.48	14.73		
	41.00	35.90	9.86	41.42	11.54	46.94	13.21	55.23	13.52	56.88	13.93	57.99	14.20	60.20	15.01		
	43.00	35.13	9.95	40.54	12.06	45.94	13.81	54.05	13.78	55.67	14.19	56.75	14.47	58.91	15.29		
46.00	33.38	10.36	38.51	12.36	43.65	14.15	51.35	14.89	52.89	15.34	53.91	15.63	55.97	16.53			
50.00	32.32	10.81	37.29	12.46	42.27	14.26	49.73	15.49	51.22	15.96	52.21	16.26	54.20	17.19			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT044S73HQSS															
Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	88.11	22.72	101.67	25.14	115.22	28.78	135.56	30.29	139.63	31.20	142.34	31.81	147.76	33.63
	0.00	88.11	22.72	101.67	25.14	115.22	28.78	135.56	30.29	139.63	31.20	142.34	31.81	147.76	33.63
	5.00	88.11	22.72	101.67	25.14	115.22	28.78	135.56	30.29	139.63	31.20	142.34	31.81	147.76	33.63
	10.00	87.26	22.72	100.68	25.14	114.11	28.78	134.24	30.29	138.27	31.20	140.95	31.81	146.32	33.63
	15.00	87.26	22.97	100.68	25.42	114.11	29.10	134.24	30.63	138.27	31.55	140.95	32.16	146.32	34.00
	20.00	89.82	22.72	103.64	25.14	117.46	8.86	138.19	8.86	142.34	8.86	145.10	8.86	150.63	33.63
	25.00	87.26	23.23	100.68	25.70	114.11	29.42	134.24	30.97	138.27	31.90	140.95	32.52	146.32	34.37
	30.00	88.11	23.98	101.67	26.54	115.22	30.38	135.56	31.98	139.63	32.94	142.34	33.58	147.76	35.49
	35.00	85.55	25.25	98.71	27.94	111.87	31.98	131.61	33.66	135.56	34.67	138.19	35.34	143.45	37.36
	39.00	82.12	26.00	94.76	29.89	107.39	34.22	126.35	35.34	130.14	36.40	132.66	37.11	137.72	39.23
	41.00	80.41	26.51	92.79	31.03	105.16	35.52	123.71	36.37	127.42	37.46	129.90	38.19	134.85	40.37
	43.00	78.70	26.77	90.81	32.44	102.92	37.13	121.08	37.05	124.71	38.16	127.14	38.90	131.98	41.12
46.00	68.44	29.32	78.97	34.98	89.49	40.04	105.29	42.15	108.45	43.41	110.55	44.25	114.76	46.78	
50.00	55.61	30.59	64.16	35.26	72.71	40.36	85.55	43.85	88.11	45.16	89.82	46.04	93.25	48.67	
120%	-5.00	86.47	22.72	99.77	25.14	113.07	28.78	133.02	30.29	137.02	31.20	139.68	31.81	145.00	33.63
	0.00	86.47	22.72	99.77	25.14	113.07	28.78	133.02	30.29	137.02	31.20	139.68	31.81	145.00	33.63
	5.00	86.47	22.72	99.77	25.14	113.07	28.78	133.02	30.29	137.02	31.20	139.68	31.81	145.00	33.63
	10.00	85.63	22.72	98.80	25.14	111.97	28.78	131.73	30.29	135.69	31.20	138.32	31.81	143.59	33.63
	15.00	85.63	22.97	98.80	25.42	111.97	29.10	131.73	30.63	135.69	31.55	138.32	32.16	143.59	34.00
	20.00	88.14	22.72	101.71	25.14	115.27	28.78	135.61	30.29	139.68	31.20	142.39	31.81	147.81	33.63
	25.00	85.63	23.23	98.80	25.70	111.97	29.42	131.73	30.97	135.69	31.90	138.32	32.52	143.59	34.37
	30.00	86.47	23.98	99.77	26.54	113.07	30.38	133.02	31.98	137.02	32.94	139.68	33.58	145.00	35.49
	35.00	83.95	25.25	96.86	27.94	109.78	31.98	129.15	33.66	133.02	34.67	135.61	35.34	140.77	37.36
	39.00	80.59	25.88	92.99	29.75	105.39	34.05	123.98	35.17	127.70	8.04	130.18	13.67	135.14	39.04
	41.00	78.91	26.13	91.05	30.58	103.19	35.01	121.40	35.84	125.04	36.92	127.47	37.64	132.33	39.79
	43.00	77.23	26.38	89.11	31.97	101.00	36.60	118.82	36.51	122.38	37.61	124.76	38.34	129.51	40.53
46.00	67.16	28.89	77.49	34.48	87.82	39.46	103.32	41.54	106.42	42.78	108.49	43.61	112.62	46.11	
50.00	54.57	30.15	62.96	34.75	71.36	39.78	83.95	43.21	86.47	44.51	88.14	45.37	91.50	47.97	
110%	-5.00	84.82	22.61	97.87	25.02	110.92	28.64	130.49	30.15	134.41	31.05	137.02	31.65	142.23	33.46
	0.00	84.82	22.61	97.87	25.02	110.92	28.64	130.49	30.15	134.41	31.05	137.02	31.65	142.23	33.46
	5.00	84.82	22.61	97.87	25.02	110.92	28.64	130.49	30.15	134.41	31.05	137.02	31.65	142.23	33.46
	10.00	84.00	22.61	96.92	25.02	109.84	28.64	129.22	30.15	133.10	31.05	135.69	31.65	140.85	33.46
	15.00	84.00	22.86	96.92	25.30	109.84	28.96	129.22	30.48	133.10	31.39	135.69	32.00	140.85	33.83
	20.00	86.47	22.61	99.77	25.02	113.07	28.64	133.02	30.15	137.02	31.05	139.68	31.65	145.00	33.46
	25.00	84.00	23.11	96.92	25.58	109.84	29.27	129.22	30.82	133.10	31.74	135.69	32.36	140.85	34.21
	30.00	84.82	23.87	97.87	26.41	110.92	30.23	130.49	31.82	134.41	32.77	137.02	33.41	142.23	35.32
	35.00	82.35	25.12	95.02	27.80	107.69	31.82	126.69	33.50	130.49	34.50	133.02	35.17	138.09	37.18
	39.00	79.05	25.87	91.22	29.75	103.38	34.05	121.62	35.17	125.27	36.22	127.70	36.93	132.57	39.04
	41.00	77.41	26.13	89.32	30.58	101.23	35.00	119.09	35.84	122.66	36.91	125.04	37.63	129.81	39.78
	43.00	75.76	26.38	87.42	31.97	99.07	36.59	116.55	36.51	120.05	37.60	122.38	38.34	127.04	40.53
46.00	65.88	28.89	76.01	34.47	86.15	39.46	101.35	41.53	104.39	42.78	106.42	43.61	110.47	46.10	
50.00	53.53	30.15	61.76	34.75	70.00	39.78	82.35	43.21	84.82	44.50	86.47	45.37	89.76	47.96	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT044S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	82.35	22.28	95.02	24.65	107.69	28.22	126.69	29.70	130.49	30.59	133.02	31.19	138.09	32.97		
	0.00	82.35	22.28	95.02	24.65	107.69	28.22	126.69	29.70	130.49	30.59	133.02	31.19	138.09	32.97		
	5.00	82.35	22.28	95.02	24.65	107.69	28.22	126.69	29.70	130.49	30.59	133.02	31.19	138.09	32.97		
	10.00	81.55	22.28	94.10	24.65	106.64	28.22	125.46	29.70	129.22	30.59	131.73	31.19	136.75	32.97		
	15.00	81.55	22.52	94.10	24.92	106.64	28.53	125.46	30.03	129.22	30.93	131.73	31.53	136.75	33.33		
	20.00	83.95	22.28	96.86	24.65	109.78	28.22	129.15	29.70	133.02	30.59	135.61	31.19	140.77	32.97		
	25.00	81.55	22.77	94.10	25.20	106.64	28.84	125.46	30.36	129.22	31.27	131.73	31.88	136.75	33.70		
	30.00	82.35	23.51	95.02	26.02	107.69	29.78	126.69	31.35	130.49	32.29	133.02	32.92	138.09	34.80		
	35.00	79.95	24.75	92.25	27.39	104.55	31.35	123.00	33.00	126.69	33.99	129.15	34.65	134.07	36.63		
	39.00	76.75	25.49	88.56	29.31	100.37	33.54	118.08	34.65	121.62	35.69	123.98	36.38	128.71	38.46		
	41.00	75.15	25.74	86.72	30.13	98.28	34.49	115.62	35.31	119.09	36.37	121.40	37.08	126.03	39.19		
	43.00	73.55	25.99	84.87	31.50	96.19	36.05	113.16	35.97	116.55	37.05	118.82	37.77	123.34	39.93		
46.00	63.96	28.46	73.80	33.96	83.64	38.87	98.40	40.92	101.35	42.15	103.32	42.97	107.26	45.42			
50.00	51.97	29.70	59.96	34.24	67.96	39.19	79.95	42.57	82.35	43.85	83.95	44.70	87.15	47.25			
90%	-5.00	74.11	18.49	85.52	20.46	96.92	23.42	114.02	24.65	117.44	25.39	119.72	25.88	124.28	27.36		
	0.00	74.11	18.49	85.52	20.46	96.92	23.42	114.02	24.65	117.44	25.39	119.72	25.88	124.28	27.36		
	5.00	74.11	18.49	85.52	20.46	96.92	23.42	114.02	24.65	117.44	25.39	119.72	25.88	124.28	27.36		
	10.00	73.39	18.49	84.69	20.46	95.98	23.42	112.91	24.65	116.30	25.39	118.56	25.88	123.08	27.36		
	15.00	73.39	18.69	84.69	20.69	95.98	23.68	112.91	24.92	116.30	25.67	118.56	26.17	123.08	27.67		
	20.00	75.55	18.49	87.18	20.46	98.80	23.42	116.24	24.65	119.72	25.39	122.05	25.88	126.70	27.36		
	25.00	73.39	18.90	84.69	20.92	95.98	23.94	112.91	25.20	116.30	25.95	118.56	26.46	123.08	27.97		
	30.00	74.11	19.52	85.52	21.60	96.92	24.72	114.02	26.02	117.44	26.80	119.72	27.32	124.28	28.88		
	35.00	71.96	20.54	83.03	22.73	94.10	26.02	110.70	27.39	114.02	28.21	116.24	28.76	120.66	30.40		
	39.00	69.08	21.16	79.70	24.33	90.33	27.84	106.27	28.76	109.46	29.62	111.59	30.20	115.84	31.92		
	41.00	67.64	21.36	78.04	25.01	88.45	28.62	104.06	29.31	107.18	30.19	109.26	30.77	113.42	32.53		
	43.00	66.20	21.57	76.38	26.14	86.57	29.92	101.84	29.86	104.90	30.75	106.94	31.35	111.01	33.14		
46.00	61.56	22.77	71.04	27.17	80.51	31.10	94.71	32.74	97.56	33.72	99.45	34.37	103.24	36.34			
50.00	58.25	24.65	67.22	28.42	76.18	32.53	89.62	35.33	92.31	36.39	94.10	37.10	97.69	39.22			
80%	-5.00	65.88	15.82	76.01	17.50	86.15	20.03	101.35	21.09	104.39	21.72	106.42	22.14	110.47	23.41		
	0.00	65.88	15.82	76.01	17.50	86.15	20.03	101.35	21.09	104.39	21.72	106.42	22.14	110.47	23.41		
	5.00	65.88	15.82	76.01	17.50	86.15	20.03	101.35	21.09	104.39	21.72	106.42	22.14	110.47	23.41		
	10.00	65.24	15.82	75.28	17.50	85.31	20.03	100.37	21.09	103.38	21.72	105.39	22.14	109.40	23.41		
	15.00	65.24	15.99	75.28	17.70	85.31	20.26	100.37	21.32	103.38	21.96	105.39	22.39	109.40	23.67		
	20.00	67.16	15.82	77.49	17.50	87.82	20.03	103.32	21.09	106.42	21.72	108.49	22.14	112.62	23.41		
	25.00	65.24	16.17	75.28	17.89	85.31	20.48	100.37	21.56	103.38	22.20	105.39	22.63	109.40	23.93		
	30.00	67.53	16.69	77.91	18.47	88.30	21.15	103.89	22.26	107.00	22.93	109.08	23.37	113.24	24.71		
	35.00	65.56	17.57	75.65	19.45	85.73	22.26	100.86	23.43	103.89	24.13	105.90	24.60	109.94	26.01		
	39.00	62.94	18.10	72.62	20.81	82.30	23.82	96.83	24.60	99.73	25.34	101.67	25.83	105.54	27.31		
	41.00	61.63	18.28	71.11	21.39	80.59	24.48	94.81	25.07	97.65	25.82	99.55	26.32	103.34	27.83		
	43.00	60.31	18.45	69.59	22.36	78.87	25.60	92.79	25.54	95.57	26.30	97.43	26.82	101.14	28.35		
46.00	56.92	20.21	65.68	24.11	74.44	27.60	87.58	29.05	90.20	29.92	91.95	30.51	95.46	32.25			
50.00	48.33	21.09	55.77	24.31	63.20	27.82	74.35	30.22	76.58	31.13	78.07	31.74	81.05	33.55			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT044S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	59.29	13.37	68.41	14.79	77.53	16.93	91.22	17.82	93.95	18.35	95.78	18.71	99.43	19.78		
	0.00	59.29	13.37	68.41	14.79	77.53	16.93	91.22	17.82	93.95	18.35	95.78	18.71	99.43	19.78		
	5.00	59.29	13.37	68.41	14.79	77.53	16.93	91.22	17.82	93.95	18.35	95.78	18.71	99.43	19.78		
	10.00	58.72	13.37	67.75	14.79	76.78	16.93	90.33	17.82	93.04	18.35	94.85	18.71	98.46	19.78		
	15.00	58.72	13.51	67.75	14.95	76.78	17.12	90.33	18.02	93.04	18.56	94.85	18.92	98.46	20.00		
	20.00	60.44	13.37	69.74	14.79	79.04	16.93	92.99	17.82	95.78	18.35	97.64	18.71	101.36	19.78		
	25.00	58.72	13.66	67.75	15.12	76.78	17.31	90.33	18.22	93.04	18.76	94.85	19.13	98.46	20.22		
	30.00	59.29	14.11	68.41	15.61	77.53	17.87	91.22	18.81	93.95	19.37	95.78	19.75	99.43	20.88		
	35.00	57.56	14.85	66.42	16.43	75.28	18.81	88.56	19.80	91.22	20.39	92.99	20.79	96.53	21.98		
	39.00	55.26	15.30	63.76	17.58	72.26	20.13	85.02	20.79	87.57	21.41	89.27	21.83	92.67	23.08		
	41.00	54.11	15.44	62.43	18.08	70.76	20.69	83.25	21.19	85.74	21.82	87.41	22.25	90.74	23.52		
	43.00	52.96	15.59	61.11	18.90	69.25	21.63	81.48	21.58	83.92	22.23	85.55	22.66	88.81	23.96		
	46.00	49.89	16.22	57.56	19.36	65.24	22.16	76.75	23.32	79.05	24.02	80.59	24.49	83.66	25.89		
50.00	40.53	16.93	46.77	19.52	53.01	22.34	62.36	24.26	64.23	24.99	65.48	25.48	67.97	26.93			
60%	-5.00	51.06	10.91	58.91	12.08	66.77	13.83	78.55	14.55	80.90	14.99	82.48	15.28	85.62	16.15		
	0.00	51.06	10.91	58.91	12.08	66.77	13.83	78.55	14.55	80.90	14.99	82.48	15.28	85.62	16.15		
	5.00	51.06	10.91	58.91	12.08	66.77	13.83	78.55	14.55	80.90	14.99	82.48	15.28	85.62	16.15		
	10.00	50.56	10.91	58.34	12.08	66.12	13.83	77.79	14.55	80.12	14.99	81.67	15.28	84.79	16.15		
	15.00	50.56	11.04	58.34	12.21	66.12	13.98	77.79	14.71	80.12	15.16	81.67	15.45	84.79	16.33		
	20.00	52.05	10.91	60.05	12.08	68.06	13.83	80.07	14.55	82.48	14.99	84.08	15.28	87.28	16.15		
	25.00	50.56	11.16	58.34	12.35	66.12	14.13	77.79	14.88	80.12	15.32	81.67	15.62	84.79	16.51		
	30.00	51.06	11.52	58.91	12.75	66.77	14.59	78.55	15.36	80.90	15.82	82.48	16.13	85.62	17.05		
	35.00	49.57	12.13	57.20	13.42	64.82	15.36	76.26	16.17	78.55	16.66	80.07	16.98	83.12	17.95		
	39.00	47.59	12.49	54.91	14.36	62.23	16.44	73.21	16.98	75.41	17.49	76.87	17.83	79.80	18.85		
	41.00	46.59	12.61	53.76	14.76	60.93	16.90	71.68	17.30	73.83	17.82	75.27	18.17	78.14	19.21		
	43.00	45.60	12.73	52.62	15.43	59.64	17.67	70.16	17.63	72.26	18.15	73.67	18.51	76.47	19.56		
	46.00	44.13	13.95	50.92	16.64	57.71	19.05	67.90	20.05	69.93	20.65	71.29	21.05	74.01	22.26		
50.00	35.86	14.55	41.37	16.78	46.89	19.20	55.17	20.86	56.82	21.49	57.92	21.90	60.13	23.15			
50%	-5.00	41.17	8.91	47.51	9.86	53.84	11.29	63.35	11.88	65.25	12.24	66.51	12.47	69.05	13.19		
	0.00	41.17	8.91	47.51	9.86	53.84	11.29	63.35	11.88	65.25	12.24	66.51	12.47	69.05	13.19		
	5.00	41.17	8.91	47.51	9.86	53.84	11.29	63.35	11.88	65.25	12.24	66.51	12.47	69.05	13.19		
	10.00	40.77	8.91	47.05	9.86	53.32	11.29	62.73	11.88	64.61	12.24	65.87	12.47	68.38	13.19		
	15.00	40.77	9.01	47.05	9.97	53.32	11.41	62.73	12.01	64.61	12.37	65.87	12.61	68.38	13.33		
	20.00	41.97	8.91	48.43	9.86	54.89	11.29	64.58	11.88	66.51	12.24	67.80	12.47	70.39	13.19		
	25.00	40.77	9.11	47.05	10.08	53.32	11.54	62.73	12.14	64.61	12.51	65.87	12.75	68.38	13.48		
	30.00	41.17	9.41	47.51	10.41	53.84	11.91	63.35	12.54	65.25	12.92	66.51	13.17	69.05	13.92		
	35.00	39.98	9.90	46.13	10.96	52.28	12.54	61.50	13.20	63.35	13.60	64.58	13.86	67.04	14.65		
	39.00	38.38	10.20	44.28	11.72	50.18	13.42	59.04	13.86	60.81	14.28	61.99	14.55	64.35	15.38		
	41.00	37.58	10.30	43.36	12.05	49.14	13.79	57.81	14.12	59.54	14.55	60.70	14.83	63.01	15.68		
	43.00	36.78	10.40	42.44	12.60	48.09	14.42	56.58	14.39	58.28	14.82	59.41	15.11	61.67	15.97		
	46.00	34.94	10.82	40.31	12.91	45.69	14.77	53.75	15.55	55.36	16.02	56.44	16.33	58.59	17.26		
50.00	33.83	11.29	39.04	13.01	44.25	14.89	52.05	16.18	53.62	16.66	54.66	16.99	56.74	17.96			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT046S73HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	92.77	23.48	107.04	25.98	121.31	29.74	142.72	31.30	147.00	32.24	149.86	32.87	155.57	34.75
	0.00	92.77	23.48	107.04	25.98	121.31	29.74	142.72	31.30	147.00	32.24	149.86	32.87	155.57	34.75
	5.00	92.77	23.48	107.04	25.98	121.31	29.74	142.72	31.30	147.00	32.24	149.86	32.87	155.57	34.75
	10.00	91.87	23.48	106.00	25.98	120.14	29.74	141.34	31.30	145.58	32.24	148.40	32.87	154.06	34.75
	15.00	91.87	23.74	106.00	26.27	120.14	30.07	141.34	31.65	145.58	32.60	148.40	33.23	154.06	35.13
	20.00	94.57	23.48	109.12	25.98	123.67	8.86	145.49	8.86	149.86	8.86	152.77	8.86	158.59	34.75
	25.00	91.87	24.00	106.00	26.56	120.14	30.40	141.34	32.00	145.58	32.96	148.40	33.60	154.06	35.52
	30.00	92.77	24.78	107.04	27.43	121.31	31.39	142.72	33.04	147.00	34.03	149.86	34.70	155.57	36.68
	35.00	90.07	26.09	103.92	28.87	117.78	33.04	138.57	34.78	142.72	35.83	145.49	36.52	151.04	38.61
	39.00	86.46	26.87	99.77	30.89	113.07	35.36	133.02	36.52	137.01	37.62	139.67	38.35	144.99	40.54
	41.00	84.66	27.40	97.69	32.07	110.71	36.70	130.25	37.58	134.16	38.71	136.76	39.46	141.97	41.72
	43.00	82.86	27.66	95.61	33.52	108.36	38.37	127.48	38.28	131.30	39.43	133.85	40.20	138.95	42.50
46.00	72.05	30.29	83.14	36.15	94.22	41.37	110.85	43.55	114.18	44.86	116.39	45.73	120.83	48.34	
50.00	58.54	31.61	67.55	36.44	76.56	41.71	90.07	45.31	92.77	46.67	94.57	47.57	98.17	50.29	
120%	-5.00	91.04	23.48	105.04	25.98	119.05	29.74	140.05	31.30	144.26	32.24	147.06	32.87	152.66	34.75
	0.00	91.04	23.48	105.04	25.98	119.05	29.74	140.05	31.30	144.26	32.24	147.06	32.87	152.66	34.75
	5.00	91.04	23.48	105.04	25.98	119.05	29.74	140.05	31.30	144.26	32.24	147.06	32.87	152.66	34.75
	10.00	90.15	23.48	104.02	25.98	117.89	29.74	138.69	31.30	142.86	32.24	145.63	32.87	151.18	34.75
	15.00	90.15	23.74	104.02	26.27	117.89	30.07	138.69	31.65	142.86	32.60	145.63	33.23	151.18	35.13
	20.00	92.80	23.48	107.08	25.98	121.36	29.74	142.77	31.30	147.06	32.24	149.91	32.87	155.62	34.75
	25.00	90.15	24.00	104.02	26.56	117.89	30.40	138.69	32.00	142.86	32.96	145.63	33.60	151.18	35.52
	30.00	91.04	24.78	105.04	27.43	119.05	31.39	140.05	33.04	144.26	34.03	147.06	34.70	152.66	36.68
	35.00	88.38	26.09	101.98	28.87	115.58	33.04	135.98	34.78	140.05	35.83	142.77	36.52	148.21	38.61
	39.00	84.85	26.74	97.90	30.74	110.96	35.19	130.54	36.35	134.45	8.04	137.06	13.67	142.28	40.34
	41.00	83.08	27.00	95.86	31.60	108.64	36.17	127.82	37.04	131.65	38.15	134.21	38.89	139.32	41.11
	43.00	81.31	27.26	93.82	33.04	106.33	37.82	125.10	37.73	128.85	38.86	131.35	39.62	136.36	41.88
46.00	70.71	29.86	81.59	35.63	92.46	40.78	108.78	42.92	112.04	44.21	114.22	45.07	118.57	47.64	
50.00	57.45	31.15	66.29	35.91	75.13	41.11	88.38	44.65	91.04	45.99	92.80	46.89	96.34	49.57	
110%	-5.00	89.30	23.36	103.04	25.85	116.78	29.59	137.39	31.15	141.51	32.08	144.26	32.71	149.75	34.58
	0.00	89.30	23.36	103.04	25.85	116.78	29.59	137.39	31.15	141.51	32.08	144.26	32.71	149.75	34.58
	5.00	89.30	23.36	103.04	25.85	116.78	29.59	137.39	31.15	141.51	32.08	144.26	32.71	149.75	34.58
	10.00	88.43	23.36	102.04	25.85	115.64	29.59	136.05	31.15	140.13	32.08	142.86	32.71	148.30	34.58
	15.00	88.43	23.62	102.04	26.14	115.64	29.92	136.05	31.50	140.13	32.44	142.86	33.07	148.30	34.96
	20.00	91.04	23.36	105.04	25.85	119.05	29.59	140.05	31.15	144.26	32.08	147.06	32.71	152.66	34.58
	25.00	88.43	23.88	102.04	26.43	115.64	30.25	136.05	31.84	140.13	32.80	142.86	33.43	148.30	35.35
	30.00	89.30	24.66	103.04	27.29	116.78	31.24	137.39	32.88	141.51	33.87	144.26	34.52	149.75	36.50
	35.00	86.70	25.96	100.04	28.73	113.38	32.88	133.39	34.61	137.39	35.65	140.05	36.34	145.39	38.42
	39.00	83.23	26.74	96.04	30.74	108.84	35.18	128.05	36.34	131.89	37.43	134.45	38.16	139.57	40.34
	41.00	81.50	27.00	94.04	31.60	106.57	36.17	125.38	37.03	129.14	38.15	131.65	38.89	136.67	41.11
	43.00	79.76	27.26	92.04	33.04	104.31	37.81	122.71	37.73	126.40	38.86	128.85	39.61	133.76	41.88
46.00	69.36	29.85	80.03	35.62	90.70	40.77	106.71	42.92	109.91	44.21	112.04	45.06	116.31	47.64	
50.00	56.36	31.15	65.03	35.91	73.70	41.10	86.70	44.65	89.30	45.99	91.04	46.88	94.50	49.56	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT046S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	86.70	23.02	100.04	25.47	113.38	29.16	133.39	30.69	137.39	31.61	140.05	32.22	145.39	34.07
	0.00	86.70	23.02	100.04	25.47	113.38	29.16	133.39	30.69	137.39	31.61	140.05	32.22	145.39	34.07
	5.00	86.70	23.02	100.04	25.47	113.38	29.16	133.39	30.69	137.39	31.61	140.05	32.22	145.39	34.07
	10.00	85.86	23.02	99.07	25.47	112.28	29.16	132.09	30.69	136.05	31.61	138.69	32.22	143.98	34.07
	15.00	85.86	23.27	99.07	25.76	112.28	29.48	132.09	31.03	136.05	31.96	138.69	32.58	143.98	34.44
	20.00	88.38	23.02	101.98	25.47	115.58	29.16	135.98	30.69	140.05	31.61	142.77	32.22	148.21	34.07
	25.00	85.86	23.53	99.07	26.04	112.28	29.80	132.09	31.37	136.05	32.31	138.69	32.94	143.98	34.82
	30.00	86.70	24.30	100.04	26.89	113.38	30.78	133.39	32.40	137.39	33.37	140.05	34.01	145.39	35.96
	35.00	84.18	25.58	97.13	28.30	110.08	32.40	129.50	34.10	133.39	35.12	135.98	35.81	141.16	37.85
	39.00	80.81	26.34	93.24	30.28	105.67	34.66	124.32	35.81	128.05	36.88	130.54	37.60	135.51	39.74
	41.00	79.12	26.60	91.30	31.13	103.47	35.63	121.73	36.49	125.38	37.58	127.82	38.31	132.69	40.50
	43.00	77.44	26.85	89.36	32.55	101.27	37.25	119.14	37.17	122.71	38.28	125.10	39.03	129.86	41.26
46.00	67.34	29.41	77.70	35.10	88.06	40.17	103.60	42.28	106.71	43.55	108.78	44.40	112.92	46.94	
50.00	54.71	30.69	63.13	35.38	71.55	40.49	84.18	43.99	86.70	45.31	88.38	46.19	91.75	48.83	
90%	-5.00	78.03	19.10	90.03	21.14	102.04	24.20	120.05	25.47	123.65	26.24	126.05	26.75	130.85	28.27
	0.00	78.03	19.10	90.03	21.14	102.04	24.20	120.05	25.47	123.65	26.24	126.05	26.75	130.85	28.27
	5.00	78.03	19.10	90.03	21.14	102.04	24.20	120.05	25.47	123.65	26.24	126.05	26.75	130.85	28.27
	10.00	77.27	19.10	89.16	21.14	101.05	24.20	118.88	25.47	122.45	26.24	124.83	26.75	129.58	28.27
	15.00	77.27	19.32	89.16	21.38	101.05	24.47	118.88	25.76	122.45	26.53	124.83	27.04	129.58	28.59
	20.00	79.55	19.10	91.78	21.14	104.02	24.20	122.38	25.47	126.05	26.24	128.50	26.75	133.39	28.27
	25.00	77.27	19.53	89.16	21.61	101.05	24.74	118.88	26.04	122.45	26.82	124.83	27.34	129.58	28.90
	30.00	78.03	20.17	90.03	22.32	102.04	25.54	120.05	26.89	123.65	27.69	126.05	28.23	130.85	29.85
	35.00	75.76	21.23	87.41	23.49	99.07	26.89	116.55	28.30	120.05	29.15	122.38	29.72	127.04	31.42
	39.00	72.73	21.86	83.92	25.14	95.10	28.77	111.89	29.72	115.24	30.61	117.48	31.20	121.96	32.99
	41.00	71.21	22.08	82.17	25.84	93.12	29.58	109.56	30.28	112.84	31.19	115.03	31.80	119.42	33.62
	43.00	69.70	22.29	80.42	27.02	91.14	30.92	107.23	30.85	110.44	31.78	112.59	32.39	116.88	34.24
46.00	64.82	23.53	74.79	28.08	84.76	32.14	99.72	33.83	102.71	34.84	104.71	35.52	108.70	37.55	
50.00	61.33	25.47	70.77	29.36	80.21	33.61	94.36	36.51	97.19	37.61	99.08	38.34	102.85	40.53	
80%	-5.00	69.36	16.34	80.03	18.09	90.70	20.70	106.71	21.79	109.91	22.44	112.04	22.88	116.31	24.19
	0.00	69.36	16.34	80.03	18.09	90.70	20.70	106.71	21.79	109.91	22.44	112.04	22.88	116.31	24.19
	5.00	69.36	16.34	80.03	18.09	90.70	20.70	106.71	21.79	109.91	22.44	112.04	22.88	116.31	24.19
	10.00	68.69	16.34	79.25	18.09	89.82	20.70	105.67	21.79	108.84	22.44	110.96	22.88	115.18	24.19
	15.00	68.69	16.52	79.25	18.29	89.82	20.93	105.67	22.03	108.84	22.69	110.96	23.13	115.18	24.46
	20.00	70.71	16.34	81.59	18.09	92.46	20.70	108.78	21.79	112.04	22.44	114.22	22.88	118.57	24.19
	25.00	68.69	16.71	79.25	18.49	89.82	21.16	105.67	22.27	108.84	22.94	110.96	23.39	115.18	24.72
	30.00	71.09	17.25	82.03	19.09	92.97	21.85	109.38	23.00	112.66	23.69	114.84	24.15	119.22	25.53
	35.00	69.02	18.16	79.64	20.10	90.26	23.00	106.19	24.21	109.38	24.94	111.50	25.42	115.75	26.87
	39.00	66.26	18.70	76.46	21.50	86.65	24.61	101.94	25.42	105.00	26.18	107.04	26.69	111.12	28.22
	41.00	64.88	18.88	74.86	22.10	84.85	25.30	99.82	25.91	102.81	26.68	104.81	27.20	108.80	28.76
	43.00	63.50	19.07	73.27	23.11	83.04	26.45	97.69	26.39	100.63	27.18	102.58	27.71	106.49	29.29
46.00	59.93	20.88	69.15	24.92	78.37	28.52	92.20	30.02	94.97	30.92	96.81	31.52	100.50	33.32	
50.00	50.88	21.79	58.71	25.12	66.54	28.75	78.28	31.23	80.63	32.17	82.20	32.79	85.33	34.67	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT046S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5.00	62.42	13.81	72.03	15.28	81.63	17.49	96.04	18.41	98.92	18.97	100.84	19.33	104.68	20.44		
	0.00	62.42	13.81	72.03	15.28	81.63	17.49	96.04	18.41	98.92	18.97	100.84	19.33	104.68	20.44		
	5.00	62.42	13.81	72.03	15.28	81.63	17.49	96.04	18.41	98.92	18.97	100.84	19.33	104.68	20.44		
	10.00	61.82	13.81	71.33	15.28	80.84	17.49	95.10	18.41	97.96	18.97	99.86	19.33	103.66	20.44		
	15.00	61.82	13.96	71.33	15.45	80.84	17.69	95.10	18.62	97.96	19.18	99.86	19.55	103.66	20.67		
	20.00	63.64	13.81	73.43	15.28	83.22	17.49	97.90	18.41	100.84	18.97	102.80	19.33	106.71	20.44		
	25.00	61.82	14.12	71.33	15.62	80.84	17.88	95.10	18.82	97.96	19.39	99.86	19.76	103.66	20.89		
	30.00	62.42	14.58	72.03	16.13	81.63	18.47	96.04	19.44	98.92	20.02	100.84	20.41	104.68	21.58		
	35.00	60.61	15.35	69.93	16.98	79.25	19.44	93.24	20.46	96.04	21.07	97.90	21.48	101.63	22.71		
	39.00	58.18	15.81	67.13	18.17	76.08	20.80	89.51	21.48	92.20	22.13	93.99	22.56	97.57	23.85		
	41.00	56.97	15.96	65.73	18.68	74.50	21.38	87.65	21.89	90.27	22.55	92.03	22.99	95.53	24.30		
	43.00	55.76	16.11	64.34	19.53	72.91	22.35	85.78	22.30	88.35	22.97	90.07	23.42	93.50	24.75		
46.00	52.53	16.76	60.61	20.00	68.69	22.90	80.81	24.10	83.23	24.82	84.85	25.31	88.08	26.75			
50.00	42.68	17.49	49.24	20.17	55.81	23.08	65.66	25.07	67.63	25.83	68.94	26.33	71.57	27.83			
60%	-5.00	53.75	11.28	62.02	12.48	70.29	14.29	82.70	15.04	85.18	15.49	86.83	15.79	90.14	16.69		
	0.00	53.75	11.28	62.02	12.48	70.29	14.29	82.70	15.04	85.18	15.49	86.83	15.79	90.14	16.69		
	5.00	53.75	11.28	62.02	12.48	70.29	14.29	82.70	15.04	85.18	15.49	86.83	15.79	90.14	16.69		
	10.00	53.23	11.28	61.42	12.48	69.61	14.29	81.90	15.04	84.35	15.49	85.99	15.79	89.27	16.69		
	15.00	53.23	11.40	61.42	12.62	69.61	14.44	81.90	15.21	84.35	15.66	85.99	15.97	89.27	16.88		
	20.00	54.80	11.28	63.23	12.48	71.66	14.29	84.30	15.04	86.83	15.49	88.52	15.79	91.89	16.69		
	25.00	53.23	11.53	61.42	12.76	69.61	14.60	81.90	15.37	84.35	15.83	85.99	16.14	89.27	17.06		
	30.00	53.75	11.91	62.02	13.18	70.29	15.08	82.70	15.87	85.18	16.35	86.83	16.67	90.14	17.62		
	35.00	52.19	12.53	60.22	13.87	68.25	15.87	80.29	16.71	82.70	17.21	84.30	17.54	87.52	18.55		
	39.00	50.10	12.91	57.81	14.84	65.52	16.98	77.08	17.54	79.39	18.07	80.93	18.42	84.02	19.47		
	41.00	49.06	13.03	56.60	15.26	64.15	17.46	75.47	17.88	77.74	18.41	79.25	18.77	82.27	19.85		
	43.00	48.01	13.16	55.40	15.95	62.79	18.25	73.87	18.21	76.08	18.76	77.56	19.12	80.51	20.22		
46.00	46.46	14.41	53.61	17.20	60.76	19.68	71.48	20.72	73.63	21.34	75.06	21.76	77.92	23.00			
50.00	37.75	15.04	43.56	17.34	49.37	19.84	58.08	21.55	59.82	22.20	60.98	22.63	63.31	23.93			
50%	-5.00	43.35	9.21	50.02	10.19	56.69	11.66	66.69	12.28	68.69	12.64	70.03	12.89	72.69	13.63		
	0.00	43.35	9.21	50.02	10.19	56.69	11.66	66.69	12.28	68.69	12.64	70.03	12.89	72.69	13.63		
	5.00	43.35	9.21	50.02	10.19	56.69	11.66	66.69	12.28	68.69	12.64	70.03	12.89	72.69	13.63		
	10.00	42.93	9.21	49.53	10.19	56.14	11.66	66.05	12.28	68.03	12.64	69.35	12.89	71.99	13.63		
	15.00	42.93	9.31	49.53	10.30	56.14	11.79	66.05	12.41	68.03	12.78	69.35	13.03	71.99	13.78		
	20.00	44.19	9.21	50.99	10.19	57.79	11.66	67.99	12.28	70.03	12.64	71.39	12.89	74.11	13.63		
	25.00	42.93	9.41	49.53	10.42	56.14	11.92	66.05	12.55	68.03	12.93	69.35	13.18	71.99	13.93		
	30.00	43.35	9.72	50.02	10.76	56.69	12.31	66.69	12.96	68.69	13.35	70.03	13.61	72.69	14.38		
	35.00	42.09	10.23	48.56	11.32	55.04	12.96	64.75	13.64	66.69	14.05	67.99	14.32	70.58	15.14		
	39.00	40.40	10.54	46.62	12.11	52.84	13.87	62.16	14.32	64.02	14.75	65.27	15.04	67.75	15.90		
	41.00	39.56	10.64	45.65	12.45	51.74	14.25	60.87	14.59	62.69	15.03	63.91	15.32	66.34	16.20		
	43.00	38.72	10.74	44.68	13.02	50.63	14.90	59.57	14.87	61.36	15.31	62.55	15.61	64.93	16.50		
46.00	36.78	11.18	42.44	13.34	48.10	15.26	56.59	16.07	58.29	16.55	59.42	16.87	61.68	17.84			
50.00	35.62	11.66	41.10	13.44	46.58	15.39	54.80	16.72	56.45	17.22	57.54	17.55	59.74	18.55			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT048S73HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	97.43	24.24	112.41	26.82	127.40	30.70	149.89	32.31	154.38	33.28	157.38	33.93	163.38	35.87
	0.00	97.43	24.24	112.41	26.82	127.40	30.70	149.89	32.31	154.38	33.28	157.38	33.93	163.38	35.87
	5.00	97.43	24.24	112.41	26.82	127.40	30.70	149.89	32.31	154.38	33.28	157.38	33.93	163.38	35.87
	10.00	96.48	24.24	111.32	26.82	126.17	30.70	148.43	32.31	152.88	33.28	155.85	33.93	161.79	35.87
	15.00	96.48	24.50	111.32	27.12	126.17	31.04	148.43	32.67	152.88	33.65	155.85	34.31	161.79	36.27
	20.00	99.32	24.24	114.60	26.82	129.88	8.86	152.80	8.86	157.38	8.86	160.44	8.86	166.55	35.87
	25.00	96.48	24.77	111.32	27.42	126.17	31.38	148.43	33.03	152.88	34.02	155.85	34.68	161.79	36.67
	30.00	97.43	25.58	112.41	28.31	127.40	32.40	149.89	34.11	154.38	35.13	157.38	35.81	163.38	37.86
	35.00	94.59	26.93	109.14	29.80	123.69	34.11	145.52	35.90	149.89	36.98	152.80	37.70	158.62	39.85
	39.00	90.80	27.74	104.77	31.89	118.74	36.50	139.70	37.70	143.89	38.83	146.68	39.58	152.27	41.85
	41.00	88.91	28.28	102.59	33.10	116.27	37.89	136.79	38.79	140.89	39.96	143.63	40.73	149.10	43.06
	43.00	87.02	28.55	100.41	34.61	113.80	39.61	133.88	39.52	137.89	40.70	140.57	41.49	145.93	43.87
46.00	75.67	31.27	87.31	37.31	98.95	42.71	116.42	44.96	119.91	46.31	122.24	47.21	126.89	49.90	
50.00	61.48	32.63	70.94	37.62	80.40	43.05	94.59	46.77	97.43	48.17	99.32	49.11	103.10	51.91	
120%	-5.00	95.60	24.24	110.31	26.82	125.02	30.70	147.08	32.31	151.50	33.28	154.44	33.93	160.32	35.87
	0.00	95.60	24.24	110.31	26.82	125.02	30.70	147.08	32.31	151.50	33.28	154.44	33.93	160.32	35.87
	5.00	95.60	24.24	110.31	26.82	125.02	30.70	147.08	32.31	151.50	33.28	154.44	33.93	160.32	35.87
	10.00	94.68	24.24	109.24	26.82	123.81	30.70	145.66	32.31	150.03	33.28	152.94	33.93	158.77	35.87
	15.00	94.68	24.50	109.24	27.12	123.81	31.04	145.66	32.67	150.03	33.65	152.94	34.31	158.77	36.27
	20.00	97.46	24.24	112.45	26.82	127.45	30.70	149.94	32.31	154.44	33.28	157.44	33.93	163.43	35.87
	25.00	94.68	24.77	109.24	27.42	123.81	31.38	145.66	33.03	150.03	34.02	152.94	34.68	158.77	36.67
	30.00	95.60	25.58	110.31	28.31	125.02	32.40	147.08	34.11	151.50	35.13	154.44	35.81	160.32	37.86
	35.00	92.82	26.93	107.10	29.80	121.38	34.11	142.80	35.90	147.08	36.98	149.94	37.70	155.65	39.85
	39.00	89.11	27.60	102.82	31.73	116.52	36.32	137.09	37.52	141.20	8.04	143.94	13.67	149.43	41.65
	41.00	87.25	27.87	100.67	32.62	114.10	37.34	134.23	38.23	138.26	39.38	140.94	40.14	146.31	42.44
	43.00	85.39	28.14	98.53	34.11	111.67	39.04	131.38	38.95	135.32	40.12	137.94	40.89	143.20	43.23
46.00	74.26	30.82	85.68	36.77	97.10	42.09	114.24	44.31	117.67	45.64	119.95	46.52	124.52	49.18	
50.00	60.33	32.16	69.61	37.07	78.90	42.43	92.82	46.09	95.60	47.48	97.46	48.40	101.17	51.16	
110%	-5.00	93.78	24.12	108.21	26.69	122.64	30.55	144.28	32.16	148.61	33.12	151.50	33.76	157.27	35.69
	0.00	93.78	24.12	108.21	26.69	122.64	30.55	144.28	32.16	148.61	33.12	151.50	33.76	157.27	35.69
	5.00	93.78	24.12	108.21	26.69	122.64	30.55	144.28	32.16	148.61	33.12	151.50	33.76	157.27	35.69
	10.00	92.87	24.12	107.16	26.69	121.45	30.55	142.88	32.16	147.17	33.12	150.03	33.76	155.74	35.69
	15.00	92.87	24.38	107.16	26.99	121.45	30.89	142.88	32.51	147.17	33.49	150.03	34.14	155.74	36.09
	20.00	95.60	24.12	110.31	26.69	125.02	30.55	147.08	32.16	151.50	33.12	154.44	33.76	160.32	35.69
	25.00	92.87	24.65	107.16	27.28	121.45	31.23	142.88	32.87	147.17	33.86	150.03	34.51	155.74	36.49
	30.00	93.78	25.46	108.21	28.17	122.64	32.24	144.28	33.94	148.61	34.96	151.50	35.64	157.27	37.68
	35.00	91.05	26.80	105.06	29.65	119.07	33.94	140.08	35.73	144.28	36.80	147.08	37.51	152.69	39.66
	39.00	87.41	27.60	100.86	31.73	114.31	36.32	134.48	37.51	138.51	38.64	141.20	39.39	146.58	41.64
	41.00	85.59	27.87	98.76	32.62	111.92	37.34	131.68	38.23	135.63	39.38	138.26	40.14	143.53	42.43
	43.00	83.77	28.14	96.66	34.10	109.54	39.03	128.87	38.94	132.74	40.11	135.32	40.89	140.47	43.23
46.00	72.84	30.82	84.05	36.77	95.25	42.09	112.06	44.30	115.43	45.63	117.67	46.52	122.15	49.18	
50.00	59.18	32.16	68.29	37.07	77.39	42.43	91.05	46.09	93.78	47.47	95.60	48.39	99.25	51.16	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT048S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	91.05	23.76	105.06	26.29	119.07	30.10	140.08	31.68	144.28	32.63	147.08	33.26	152.69	35.16		
	0.00	91.05	23.76	105.06	26.29	119.07	30.10	140.08	31.68	144.28	32.63	147.08	33.26	152.69	35.16		
	5.00	91.05	23.76	105.06	26.29	119.07	30.10	140.08	31.68	144.28	32.63	147.08	33.26	152.69	35.16		
	10.00	90.17	23.76	104.04	26.29	117.91	30.10	138.72	31.68	142.88	32.63	145.66	33.26	151.20	35.16		
	15.00	90.17	24.02	104.04	26.59	117.91	30.43	138.72	32.03	142.88	32.99	145.66	33.63	151.20	35.56		
	20.00	92.82	23.76	107.10	26.29	121.38	30.10	142.80	31.68	147.08	32.63	149.94	33.26	155.65	35.16		
	25.00	90.17	24.29	104.04	26.88	117.91	30.76	138.72	32.38	142.88	33.36	145.66	34.00	151.20	35.95		
	30.00	91.05	25.08	105.06	27.76	119.07	31.77	140.08	33.44	144.28	34.44	147.08	35.11	152.69	37.12		
	35.00	88.40	26.40	102.00	29.22	115.60	33.44	136.00	35.20	140.08	36.26	142.80	36.96	148.24	39.07		
	39.00	84.86	27.19	97.92	31.26	110.98	35.78	130.56	36.96	134.48	38.07	137.09	38.81	142.31	41.03		
	41.00	83.10	27.46	95.88	32.14	108.66	36.78	127.84	37.66	131.68	38.79	134.23	39.55	139.35	41.81		
	43.00	81.33	27.72	93.84	33.60	106.35	38.46	125.12	38.37	128.87	39.52	131.38	40.29	136.38	42.59		
	46.00	70.72	30.36	81.60	36.23	92.48	41.47	108.80	43.65	112.06	44.96	114.24	45.83	118.59	48.45		
50.00	57.46	31.68	66.30	36.52	75.14	41.80	88.40	45.41	91.05	46.77	92.82	47.68	96.36	50.40			
90%	-5.00	81.95	19.72	94.55	21.82	107.16	24.98	126.07	26.29	129.85	27.08	132.38	27.61	137.42	29.19		
	0.00	81.95	19.72	94.55	21.82	107.16	24.98	126.07	26.29	129.85	27.08	132.38	27.61	137.42	29.19		
	5.00	81.95	19.72	94.55	21.82	107.16	24.98	126.07	26.29	129.85	27.08	132.38	27.61	137.42	29.19		
	10.00	81.15	19.72	93.64	21.82	106.12	24.98	124.85	26.29	128.59	27.08	131.09	27.61	136.08	29.19		
	15.00	81.15	19.94	93.64	22.07	106.12	25.26	124.85	26.59	128.59	27.38	131.09	27.92	136.08	29.51		
	20.00	83.54	19.72	96.39	21.82	109.24	24.98	128.52	26.29	132.38	27.08	134.95	27.61	140.09	29.19		
	25.00	81.15	20.16	93.64	22.31	106.12	25.53	124.85	26.88	128.59	27.69	131.09	28.22	136.08	29.84		
	30.00	81.95	20.82	94.55	23.04	107.16	26.37	126.07	27.76	129.85	28.59	132.38	29.14	137.42	30.81		
	35.00	79.56	21.91	91.80	24.25	104.04	27.76	122.40	29.22	126.07	30.09	128.52	30.68	133.42	32.43		
	39.00	76.38	22.57	88.13	25.95	99.88	29.70	117.50	30.68	121.03	31.60	123.38	32.21	128.08	34.05		
	41.00	74.79	22.79	86.29	26.67	97.80	30.53	115.06	31.26	118.51	32.20	120.81	32.82	125.41	34.70		
	43.00	73.20	23.01	84.46	27.89	95.72	31.92	112.61	31.85	115.99	32.80	118.24	33.44	122.74	35.35		
	46.00	68.07	24.29	78.54	28.98	89.02	33.17	104.73	34.92	107.87	35.97	109.96	36.66	114.15	38.76		
50.00	64.41	26.29	74.32	30.31	84.23	34.69	99.10	37.69	102.07	38.82	104.05	39.57	108.01	41.83			
80%	-5.00	72.84	16.87	84.05	18.67	95.25	21.37	112.06	22.49	115.43	23.17	117.67	23.62	122.15	24.97		
	0.00	72.84	16.87	84.05	18.67	95.25	21.37	112.06	22.49	115.43	23.17	117.67	23.62	122.15	24.97		
	5.00	72.84	16.87	84.05	18.67	95.25	21.37	112.06	22.49	115.43	23.17	117.67	23.62	122.15	24.97		
	10.00	72.13	16.87	83.23	18.67	94.33	21.37	110.98	22.49	114.31	23.17	116.52	23.62	120.96	24.97		
	15.00	72.13	17.06	83.23	18.88	94.33	21.61	110.98	22.74	114.31	23.43	116.52	23.88	120.96	25.24		
	20.00	74.26	16.87	85.68	18.67	97.10	21.37	114.24	22.49	117.67	23.17	119.95	23.62	124.52	24.97		
	25.00	72.13	17.24	83.23	19.08	94.33	21.84	110.98	22.99	114.31	23.68	116.52	24.14	120.96	25.52		
	30.00	74.66	17.81	86.15	19.71	97.64	22.56	114.87	23.74	118.31	24.45	120.61	24.93	125.20	26.35		
	35.00	72.49	18.74	83.64	20.74	94.79	23.74	111.52	24.99	114.87	25.74	117.10	26.24	121.56	27.74		
	39.00	69.59	19.31	80.29	22.20	91.00	25.40	107.06	26.24	110.27	27.03	112.41	27.55	116.69	29.13		
	41.00	68.14	19.49	78.62	22.82	89.10	26.12	104.83	26.74	107.97	27.54	110.07	28.08	114.26	29.68		
	43.00	66.69	19.68	76.95	23.85	87.21	27.30	102.60	27.24	105.68	28.06	107.73	28.60	111.83	30.24		
	46.00	62.94	21.56	72.62	25.72	82.31	29.44	96.83	30.99	99.74	31.92	101.67	32.54	105.55	34.40		
50.00	53.44	22.49	61.66	25.93	69.88	29.68	82.21	32.24	84.68	33.21	86.32	33.85	89.61	35.79			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT048S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	65.56	14.26	75.64	15.78	85.73	18.06	100.86	19.01	103.88	19.58	105.90	19.96	109.93	21.10		
	0.00	65.56	14.26	75.64	15.78	85.73	18.06	100.86	19.01	103.88	19.58	105.90	19.96	109.93	21.10		
	5.00	65.56	14.26	75.64	15.78	85.73	18.06	100.86	19.01	103.88	19.58	105.90	19.96	109.93	21.10		
	10.00	64.92	14.26	74.91	15.78	84.90	18.06	99.88	19.01	102.87	19.58	104.87	19.96	108.87	21.10		
	15.00	64.92	14.41	74.91	15.95	84.90	18.26	99.88	19.22	102.87	19.80	104.87	20.18	108.87	21.33		
	20.00	66.83	14.26	77.11	15.78	87.39	18.06	102.82	19.01	105.90	19.58	107.96	19.96	112.07	21.10		
	25.00	64.92	14.57	74.91	16.13	84.90	18.46	99.88	19.43	102.87	20.01	104.87	20.40	108.87	21.57		
	30.00	65.56	15.05	75.64	16.65	85.73	19.06	100.86	20.06	103.88	20.67	105.90	21.07	109.93	22.27		
	35.00	63.65	15.84	73.44	17.53	83.23	20.06	97.92	21.12	100.86	21.75	102.82	22.18	106.73	23.44		
	39.00	61.10	16.32	70.50	18.76	79.90	21.47	94.00	22.18	96.82	22.84	98.70	23.28	102.46	24.62		
	41.00	59.83	16.47	69.03	19.28	78.24	22.07	92.04	22.60	94.81	23.28	96.65	23.73	100.33	25.08		
	43.00	58.56	16.63	67.56	20.16	76.57	23.07	90.09	23.02	92.79	23.71	94.59	24.17	98.19	25.55		
46.00	55.16	17.31	63.65	20.65	72.13	23.64	84.86	24.88	87.41	25.63	89.11	26.12	92.50	27.62			
50.00	44.82	18.06	51.71	20.82	58.61	23.83	68.95	25.88	71.02	26.66	72.40	27.18	75.16	28.73			
60%	-5.00	56.45	11.64	65.14	12.88	73.82	14.75	86.85	15.52	89.46	15.99	91.19	16.30	94.67	17.23		
	0.00	56.45	11.64	65.14	12.88	73.82	14.75	86.85	15.52	89.46	15.99	91.19	16.30	94.67	17.23		
	5.00	56.45	11.64	65.14	12.88	73.82	14.75	86.85	15.52	89.46	15.99	91.19	16.30	94.67	17.23		
	10.00	55.90	11.64	64.50	12.88	73.11	14.75	86.01	15.52	88.59	15.99	90.31	16.30	93.75	17.23		
	15.00	55.90	11.77	64.50	13.03	73.11	14.91	86.01	15.70	88.59	16.17	90.31	16.48	93.75	17.42		
	20.00	57.55	11.64	66.40	12.88	75.26	14.75	88.54	15.52	91.19	15.99	92.96	16.30	96.50	17.23		
	25.00	55.90	11.90	64.50	13.17	73.11	15.07	86.01	15.87	88.59	16.34	90.31	16.66	93.75	17.61		
	30.00	56.45	12.29	65.14	13.60	73.82	15.57	86.85	16.39	89.46	16.88	91.19	17.20	94.67	18.19		
	35.00	54.81	12.94	63.24	14.32	71.67	16.39	84.32	17.25	86.85	17.77	88.54	18.11	91.91	19.15		
	39.00	52.62	13.32	60.71	15.32	68.81	17.53	80.95	18.11	83.38	18.65	84.99	19.02	88.23	20.10		
	41.00	51.52	13.45	59.45	15.75	67.37	18.02	79.26	18.46	81.64	19.01	83.22	19.38	86.39	20.49		
	43.00	50.42	13.58	58.18	16.46	65.94	18.84	77.57	18.80	79.90	19.36	81.45	19.74	84.56	20.87		
46.00	48.80	14.88	56.30	17.75	63.81	20.32	75.07	21.39	77.32	22.03	78.83	22.46	81.83	23.74			
50.00	39.65	15.52	45.75	17.89	51.85	20.48	61.00	22.25	62.83	22.92	64.05	23.36	66.49	24.70			
50%	-5.00	45.53	9.50	52.53	10.52	59.53	12.04	70.04	12.67	72.14	13.05	73.54	13.31	76.34	14.07		
	0.00	45.53	9.50	52.53	10.52	59.53	12.04	70.04	12.67	72.14	13.05	73.54	13.31	76.34	14.07		
	5.00	45.53	9.50	52.53	10.52	59.53	12.04	70.04	12.67	72.14	13.05	73.54	13.31	76.34	14.07		
	10.00	45.08	9.50	52.02	10.52	58.96	12.04	69.36	12.67	71.44	13.05	72.83	13.31	75.60	14.07		
	15.00	45.08	9.61	52.02	10.63	58.96	12.17	69.36	12.81	71.44	13.20	72.83	13.45	75.60	14.22		
	20.00	46.41	9.50	53.55	10.52	60.69	12.04	71.40	12.67	73.54	13.05	74.97	13.31	77.83	14.07		
	25.00	45.08	9.72	52.02	10.75	58.96	12.31	69.36	12.95	71.44	13.34	72.83	13.60	75.60	14.38		
	30.00	45.53	10.03	52.53	11.10	59.53	12.71	70.04	13.38	72.14	13.78	73.54	14.04	76.34	14.85		
	35.00	44.20	10.56	51.00	11.69	57.80	13.38	68.00	14.08	70.04	14.50	71.40	14.78	74.12	15.63		
	39.00	42.43	10.88	48.96	12.50	55.49	14.31	65.28	14.78	67.24	15.23	68.54	15.52	71.16	16.41		
	41.00	41.55	10.98	47.94	12.86	54.33	14.71	63.92	15.07	65.84	15.52	67.12	15.82	69.67	16.72		
	43.00	40.66	11.09	46.92	13.44	53.18	15.38	62.56	15.35	64.44	15.81	65.69	16.11	68.19	17.04		
46.00	38.63	11.54	44.57	13.77	50.52	15.76	59.43	16.59	61.21	17.08	62.40	17.42	64.78	18.41			
50.00	37.41	12.04	43.17	13.88	48.92	15.88	57.56	17.26	59.28	17.77	60.43	18.12	62.74	19.15			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT050S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	101.37	24.72	116.96	27.73	132.56	31.74	155.95	33.42	160.63	34.42	163.74	35.09	169.98	37.09		
	0.00	101.37	24.72	116.96	27.73	132.56	31.74	155.95	33.42	160.63	34.42	163.74	35.09	169.98	37.09		
	5.00	101.37	24.72	116.96	27.73	132.56	31.74	155.95	33.42	160.63	34.42	163.74	35.09	169.98	37.09		
	10.00	100.38	24.72	115.82	27.73	131.27	31.74	154.43	33.42	159.07	34.42	162.15	35.09	168.33	37.09		
	15.00	100.38	24.99	115.82	28.04	131.27	32.10	154.43	33.79	159.07	34.80	162.15	35.48	168.33	37.50		
	20.00	103.33	24.72	119.23	27.73	135.13	8.86	158.98	8.86	163.74	8.86	166.92	8.86	173.28	37.09		
	25.00	100.38	25.27	115.82	28.35	131.27	32.45	154.43	34.16	159.07	35.18	162.15	35.87	168.33	37.92		
	30.00	101.37	26.09	116.96	29.28	132.56	33.51	155.95	35.27	160.63	36.33	163.74	37.04	169.98	39.15		
	35.00	98.41	27.46	113.55	30.82	128.69	35.27	151.40	37.13	155.95	38.24	158.98	38.98	165.03	41.21		
	39.00	94.48	28.29	109.01	32.97	123.55	37.74	145.35	38.98	149.71	40.15	152.62	40.93	158.43	43.27		
	41.00	92.51	28.84	106.74	34.23	120.97	39.18	142.32	40.12	146.59	41.32	149.44	42.12	155.13	44.53		
	43.00	90.54	29.12	104.47	35.79	118.40	40.96	139.29	40.87	143.47	42.09	146.26	42.91	151.83	45.36		
	46.00	78.73	31.89	90.84	38.59	102.96	44.17	121.12	46.49	124.76	47.88	127.18	48.81	132.03	51.60		
	50.00	63.97	33.28	73.81	38.90	83.65	44.52	98.41	48.36	101.37	49.82	103.33	50.78	107.27	53.68		
120%	-5.00	99.47	24.72	114.77	27.73	130.08	31.74	153.03	33.42	157.62	34.42	160.68	35.09	166.81	37.09		
	0.00	99.47	24.72	114.77	27.73	130.08	31.74	153.03	33.42	157.62	34.42	160.68	35.09	166.81	37.09		
	5.00	99.47	24.72	114.77	27.73	130.08	31.74	153.03	33.42	157.62	34.42	160.68	35.09	166.81	37.09		
	10.00	98.51	24.72	113.66	27.73	128.81	31.74	151.55	33.42	156.09	34.42	159.12	35.09	165.19	37.09		
	15.00	98.51	24.99	113.66	28.04	128.81	32.10	151.55	33.79	156.09	34.80	159.12	35.48	165.19	37.50		
	20.00	101.40	24.72	117.00	27.73	132.60	31.74	156.00	33.42	160.68	34.42	163.80	35.09	170.04	37.09		
	25.00	98.51	25.27	113.66	28.35	128.81	32.45	151.55	34.16	156.09	35.18	159.12	35.87	165.19	37.92		
	30.00	99.47	26.09	114.77	29.28	130.08	33.51	153.03	35.27	157.62	36.33	160.68	37.04	166.81	39.15		
	35.00	96.57	27.46	111.43	30.82	126.29	35.27	148.57	37.13	153.03	38.24	156.00	38.98	161.95	41.21		
	39.00	92.71	28.15	106.97	32.82	121.24	37.56	142.63	38.80	146.91	8.04	149.76	13.67	155.47	43.06		
	41.00	90.78	28.42	104.75	33.74	118.71	38.61	139.66	39.54	143.85	40.72	146.64	41.51	152.23	43.89		
	43.00	88.85	28.70	102.52	35.27	116.19	40.37	136.69	40.28	140.79	41.48	143.52	42.29	148.99	44.71		
	46.00	77.26	31.43	89.14	38.03	101.03	43.53	118.86	45.82	122.43	47.19	124.80	48.11	129.56	50.86		
	50.00	62.77	32.80	72.43	38.34	82.09	43.88	96.57	47.67	99.47	49.10	101.40	50.05	105.27	52.91		
110%	-5.00	97.58	24.60	112.59	27.60	127.60	31.59	150.12	33.25	154.62	34.25	157.62	34.91	163.63	36.91		
	0.00	97.58	24.60	112.59	27.60	127.60	31.59	150.12	33.25	154.62	34.25	157.62	34.91	163.63	36.91		
	5.00	97.58	24.60	112.59	27.60	127.60	31.59	150.12	33.25	154.62	34.25	157.62	34.91	163.63	36.91		
	10.00	96.63	24.60	111.49	27.60	126.36	31.59	148.66	33.25	153.12	34.25	156.09	34.91	162.04	36.91		
	15.00	96.63	24.87	111.49	27.91	126.36	31.94	148.66	33.62	153.12	34.63	156.09	35.30	162.04	37.32		
	20.00	99.47	24.60	114.77	27.60	130.08	31.59	153.03	33.25	157.62	34.25	160.68	34.91	166.81	36.91		
	25.00	96.63	25.14	111.49	28.21	126.36	32.29	148.66	33.99	153.12	35.01	156.09	35.69	162.04	37.73		
	30.00	97.58	25.96	112.59	29.13	127.60	33.34	150.12	35.10	154.62	36.15	157.62	36.85	163.63	38.96		
	35.00	94.73	27.33	109.31	30.67	123.88	35.10	145.74	36.95	150.12	38.05	153.03	38.79	158.86	41.01		
	39.00	90.94	28.15	104.94	32.81	118.93	37.56	139.92	38.79	144.11	39.96	146.91	40.73	152.51	43.06		
	41.00	89.05	28.42	102.75	33.73	116.45	38.61	137.00	39.53	141.11	40.72	143.85	41.51	149.33	43.88		
	43.00	87.16	28.69	100.56	35.26	113.97	40.36	134.09	40.27	138.11	41.48	140.79	42.28	146.15	44.70		
	46.00	75.79	31.43	87.45	38.02	99.11	43.52	116.60	45.81	120.09	47.19	122.43	48.10	127.09	50.85		
	50.00	61.58	32.79	71.05	38.33	80.52	43.87	94.73	47.66	97.58	49.09	99.47	50.04	103.26	52.90		
TC: total capacity, kW																	
PI: power input, kW (compressor+outdoor motor)																	



		38VT050S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	94.73	24.23	109.31	27.19	123.88	31.12	145.74	32.76	150.12	33.74	153.03	34.40	158.86	36.36
	0.00	94.73	24.23	109.31	27.19	123.88	31.12	145.74	32.76	150.12	33.74	153.03	34.40	158.86	36.36
	5.00	94.73	24.23	109.31	27.19	123.88	31.12	145.74	32.76	150.12	33.74	153.03	34.40	158.86	36.36
	10.00	93.81	24.23	108.25	27.19	122.68	31.12	144.33	32.76	148.66	33.74	151.55	34.40	157.32	36.36
	15.00	93.81	24.50	108.25	27.49	122.68	31.47	144.33	33.12	148.66	34.12	151.55	34.78	157.32	36.77
	20.00	96.57	24.23	111.43	27.19	126.29	31.12	148.57	32.76	153.03	33.74	156.00	34.40	161.95	36.36
	25.00	93.81	24.77	108.25	27.80	122.68	31.81	144.33	33.49	148.66	34.49	151.55	35.16	157.32	37.17
	30.00	94.73	25.58	109.31	28.70	123.88	32.85	145.74	34.58	150.12	35.62	153.03	36.31	158.86	38.38
	35.00	91.97	26.92	106.12	30.21	120.27	34.58	141.50	36.40	145.74	37.49	148.57	38.22	154.23	40.40
	39.00	88.30	27.73	101.88	32.33	115.46	37.00	135.84	38.22	139.92	39.37	142.63	40.13	148.07	42.42
	41.00	86.46	28.00	99.76	33.23	113.06	38.04	133.01	38.95	137.00	40.12	139.66	40.90	144.98	43.23
	43.00	84.62	28.27	97.63	34.74	110.65	39.77	130.18	39.68	134.09	40.87	136.69	41.66	141.90	44.04
46.00	73.58	30.96	84.90	37.46	96.22	42.88	113.20	45.14	116.60	46.49	118.86	47.39	123.39	50.10	
50.00	59.78	32.31	68.98	37.77	78.18	43.23	91.97	46.96	94.73	48.36	96.57	49.30	100.25	52.12	
90%	-5.00	85.26	20.11	98.38	22.57	111.49	25.83	131.17	25.87	135.11	28.01	137.73	28.55	142.98	30.18
	0.00	85.26	20.11	98.38	22.57	111.49	25.83	131.17	27.19	135.11	28.01	137.73	28.55	142.98	30.18
	5.00	85.26	20.11	98.38	22.57	111.49	25.83	131.17	27.19	135.11	28.01	137.73	28.55	142.98	30.18
	10.00	84.43	20.11	97.42	22.57	110.41	25.83	129.90	27.19	133.79	28.01	136.39	28.55	141.59	30.18
	15.00	84.43	20.34	97.42	22.82	110.41	26.12	129.90	27.49	133.79	28.32	136.39	28.87	141.59	30.52
	20.00	86.92	20.11	100.29	22.57	113.66	25.83	133.72	27.19	137.73	28.01	140.40	28.55	145.75	30.18
	25.00	84.43	20.56	97.42	23.07	110.41	26.41	129.90	27.80	133.79	28.63	136.39	29.18	141.59	30.85
	30.00	85.26	21.23	98.38	23.82	111.49	27.27	131.17	28.70	135.11	29.56	137.73	30.14	142.98	31.86
	35.00	82.78	22.35	95.51	25.08	108.25	28.70	127.35	30.21	131.17	31.12	133.72	31.72	138.81	33.54
	39.00	79.47	23.02	91.69	26.83	103.92	30.71	122.26	31.72	125.92	32.67	128.37	33.31	133.26	35.21
	41.00	77.81	23.24	89.78	27.58	101.75	31.57	119.71	32.33	123.30	33.30	125.69	33.94	130.48	35.88
	43.00	76.16	23.46	87.87	28.84	99.59	33.01	117.16	32.93	120.68	33.92	123.02	34.58	127.71	36.55
46.00	70.82	24.77	81.72	29.97	92.62	34.30	108.96	36.11	112.23	37.19	114.41	37.91	118.77	40.08	
50.00	67.02	26.82	77.33	31.34	87.64	35.88	103.10	38.97	106.20	40.14	108.26	40.92	112.38	43.26	
80%	-5.00	75.79	17.20	87.45	19.31	99.11	22.10	116.60	23.26	120.09	23.96	122.43	24.42	127.09	25.82
	0.00	75.79	17.20	87.45	19.31	99.11	22.10	116.60	23.26	120.09	23.96	122.43	24.42	127.09	25.82
	5.00	75.79	17.20	87.45	19.31	99.11	22.10	116.60	23.26	120.09	23.96	122.43	24.42	127.09	25.82
	10.00	75.05	17.20	86.60	19.31	98.14	22.10	115.46	23.26	118.93	23.96	121.24	24.42	125.86	25.82
	15.00	75.05	17.40	86.60	19.52	98.14	22.34	115.46	23.52	118.93	24.22	121.24	24.69	125.86	26.11
	20.00	77.26	17.20	89.14	19.31	101.03	22.10	118.86	23.26	122.43	23.96	124.80	24.42	129.56	25.82
	25.00	75.05	17.59	86.60	19.73	98.14	22.59	115.46	23.78	118.93	24.49	121.24	24.97	125.86	26.39
	30.00	77.68	18.16	89.63	20.38	101.58	23.32	119.51	24.55	123.10	25.29	125.49	25.78	130.27	27.25
	35.00	75.42	19.12	87.02	21.45	98.63	24.55	116.03	25.84	119.51	26.62	121.83	27.14	126.47	28.69
	39.00	72.40	19.69	83.54	22.95	94.68	26.27	111.39	27.14	114.73	27.95	116.96	28.49	121.41	30.12
	41.00	70.89	19.88	81.80	23.60	92.71	27.01	109.07	27.65	112.34	28.48	114.52	29.04	118.88	30.69
	43.00	69.39	20.07	80.06	24.67	90.74	28.23	106.75	28.17	109.95	29.02	112.08	29.58	116.35	31.27
46.00	65.49	21.98	75.56	26.60	85.64	30.44	100.75	32.05	103.77	33.01	105.79	33.65	109.82	35.57	
50.00	55.60	22.94	64.15	26.81	72.71	30.69	85.54	33.34	88.10	34.34	89.81	35.01	93.24	37.01	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT050S73HQSS										Cooling Capacity			
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	68.21	14.54	78.70	16.31	89.20	18.67	104.94	19.66	108.08	20.25	110.18	20.64	114.38	21.82
	0.00	68.21	14.54	78.70	16.31	89.20	18.67	104.94	19.66	108.08	20.25	110.18	20.64	114.38	21.82
	5.00	68.21	14.54	78.70	16.31	89.20	18.67	104.94	19.66	108.08	20.25	110.18	20.64	114.38	21.82
	10.00	67.55	14.54	77.94	16.31	88.33	18.67	103.92	19.66	107.04	20.25	109.11	20.64	113.27	21.82
	15.00	67.55	14.70	77.94	16.50	88.33	18.88	103.92	19.87	107.04	20.47	109.11	20.87	113.27	22.06
	20.00	69.53	14.54	80.23	16.31	90.93	18.67	106.97	19.66	110.18	20.25	112.32	20.64	116.60	21.82
	25.00	67.55	14.86	77.94	16.68	88.33	19.09	103.92	20.09	107.04	20.70	109.11	21.10	113.27	22.30
	30.00	68.21	15.35	78.70	17.22	89.20	19.71	104.94	20.75	108.08	21.37	110.18	21.79	114.38	23.03
	35.00	66.22	16.15	76.41	18.13	86.60	20.75	101.88	21.84	104.94	22.50	106.97	22.93	111.05	24.24
	39.00	63.57	16.64	73.35	19.40	83.13	22.20	97.80	22.93	100.74	23.62	102.70	24.08	106.61	25.45
	41.00	62.25	16.80	71.83	19.94	81.40	22.82	95.77	23.37	98.64	24.07	100.56	24.54	104.39	25.94
	43.00	60.92	16.96	70.30	20.85	79.67	23.86	93.73	23.81	96.54	24.52	98.42	25.00	102.17	26.42
46.00	57.39	17.65	66.22	21.35	75.05	24.44	88.30	25.73	90.94	26.50	92.71	27.01	96.24	28.56	
50.00	46.63	18.42	53.81	21.53	60.98	24.64	71.74	26.76	73.89	27.57	75.33	28.10	78.20	29.71	
60%	-5.00	58.74	11.87	67.77	13.32	76.81	15.25	90.36	16.05	93.07	16.53	94.88	16.86	98.49	17.82
	0.00	58.74	11.87	67.77	13.32	76.81	15.25	90.36	16.05	93.07	16.53	94.88	16.86	98.49	17.82
	5.00	58.74	11.87	67.77	13.32	76.81	15.25	90.36	16.05	93.07	16.53	94.88	16.86	98.49	17.82
	10.00	58.16	11.87	67.11	13.32	76.06	15.25	89.48	16.05	92.17	16.53	93.96	16.86	97.54	17.82
	15.00	58.16	12.01	67.11	13.47	76.06	15.42	89.48	16.23	92.17	16.72	93.96	17.04	97.54	18.02
	20.00	59.88	11.87	69.09	13.32	78.30	15.25	92.12	16.05	94.88	16.53	96.72	16.86	100.41	17.82
	25.00	58.16	12.14	67.11	13.62	76.06	15.59	89.48	16.41	92.17	16.90	93.96	17.23	97.54	18.21
	30.00	58.74	12.53	67.77	14.06	76.81	16.10	90.36	16.94	93.07	17.45	94.88	17.79	98.49	18.81
	35.00	57.02	13.19	65.80	14.80	74.57	16.94	87.73	17.84	90.36	18.37	92.12	18.73	95.63	19.80
	39.00	54.74	13.59	63.17	15.84	71.59	18.13	84.22	18.73	86.75	19.29	88.43	19.66	91.80	20.79
	41.00	53.60	13.72	61.85	16.28	70.10	18.64	82.47	19.08	84.94	19.66	86.59	20.04	89.89	21.18
	43.00	52.46	13.85	60.53	17.02	68.60	19.49	80.71	19.44	83.13	20.02	84.75	20.41	87.98	21.58
46.00	50.77	15.17	58.58	18.36	66.39	21.01	78.11	22.12	80.45	22.78	82.01	23.22	85.14	24.55	
50.00	41.25	15.83	47.60	18.50	53.94	21.18	63.46	23.01	65.37	23.70	66.64	24.16	69.17	25.54	
50%	-5.00	47.37	9.69	54.65	10.88	61.94	12.45	72.87	13.10	75.06	13.50	76.52	13.76	79.43	14.55
	0.00	47.37	9.69	54.65	10.88	61.94	12.45	72.87	13.10	75.06	13.50	76.52	13.76	79.43	14.55
	5.00	47.37	9.69	54.65	10.88	61.94	12.45	72.87	13.10	75.06	13.50	76.52	13.76	79.43	14.55
	10.00	46.91	9.69	54.12	10.88	61.34	12.45	72.16	13.10	74.33	13.50	75.77	13.76	78.66	14.55
	15.00	46.91	9.80	54.12	11.00	61.34	12.59	72.16	13.25	74.33	13.65	75.77	13.91	78.66	14.71
	20.00	48.29	9.69	55.72	10.88	63.14	12.45	74.29	13.10	76.52	13.50	78.00	13.76	80.97	14.55
	25.00	46.91	9.91	54.12	11.12	61.34	12.73	72.16	13.40	74.33	13.80	75.77	14.06	78.66	14.87
	30.00	47.37	10.23	54.65	11.48	61.94	13.14	72.87	13.83	75.06	14.25	76.52	14.52	79.43	15.35
	35.00	45.99	10.77	53.06	12.08	60.14	13.83	70.75	14.56	72.87	15.00	74.29	15.29	77.12	16.16
	39.00	44.15	11.09	50.94	12.93	57.73	14.80	67.92	15.29	69.96	15.75	71.32	16.05	74.03	16.97
	41.00	43.23	11.20	49.88	13.29	56.53	15.22	66.50	15.58	68.50	16.05	69.83	16.36	72.49	17.29
	43.00	42.31	11.31	48.82	13.90	55.33	15.91	65.09	15.87	67.04	16.35	68.34	16.66	70.95	17.62
46.00	40.19	11.77	46.38	14.24	52.56	16.29	61.84	17.15	63.69	17.67	64.93	18.01	67.40	19.04	
50.00	38.92	12.28	44.91	14.35	50.90	16.43	59.88	17.84	61.68	18.38	62.88	18.74	65.27	19.81	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT052S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	105.31	25.20	121.51	28.65	137.71	32.79	162.01	34.52	166.87	35.55	170.11	36.24	176.59	38.31		
	0.00	105.31	25.20	121.51	28.65	137.71	32.79	162.01	34.52	166.87	35.55	170.11	36.24	176.59	38.31		
	5.00	105.31	25.20	121.51	28.65	137.71	32.79	162.01	34.52	166.87	35.55	170.11	36.24	176.59	38.31		
	10.00	104.28	25.20	120.33	28.65	136.37	32.79	160.44	34.52	165.25	35.55	168.46	36.24	174.88	38.31		
	15.00	104.28	25.48	120.33	28.97	136.37	33.16	160.44	34.90	165.25	35.95	168.46	36.65	174.88	38.74		
	20.00	107.35	25.20	123.87	28.65	140.38	8.86	165.15	8.86	170.11	8.86	173.41	8.86	180.02	38.31		
	25.00	104.28	25.76	120.33	29.29	136.37	33.52	160.44	35.28	165.25	36.34	168.46	37.05	174.88	39.17		
	30.00	105.31	26.60	121.51	30.24	137.71	34.61	162.01	36.43	166.87	37.53	170.11	38.26	176.59	40.44		
	35.00	102.24	28.00	117.97	31.83	133.70	36.43	157.29	38.35	162.01	39.50	165.15	40.27	171.45	42.57		
	39.00	98.15	28.84	113.25	34.06	128.35	38.98	151.00	40.27	155.53	41.48	158.55	42.28	164.59	44.70		
	41.00	96.10	29.40	110.89	35.36	125.67	40.47	147.85	41.44	152.29	42.68	155.25	43.51	161.16	46.00		
	43.00	94.06	29.69	108.53	36.97	123.00	42.31	144.71	42.21	149.05	43.48	151.94	44.32	157.73	46.86		
	46.00	81.79	32.51	94.37	39.86	106.96	45.62	125.83	48.02	129.61	49.46	132.12	50.42	137.16	53.31		
50.00	66.46	33.93	76.68	40.18	86.90	45.99	102.24	49.96	105.31	51.46	107.35	52.46	111.44	55.45			
120%	-5.00	103.34	25.20	119.24	28.65	135.13	32.79	158.98	34.52	163.75	35.55	166.93	36.24	173.29	38.31		
	0.00	103.34	25.20	119.24	28.65	135.13	32.79	158.98	34.52	163.75	35.55	166.93	36.24	173.29	38.31		
	5.00	103.34	25.20	119.24	28.65	135.13	32.79	158.98	34.52	163.75	35.55	166.93	36.24	173.29	38.31		
	10.00	102.33	25.20	118.08	28.65	133.82	32.79	157.44	34.52	162.16	35.55	165.31	36.24	171.61	38.31		
	15.00	102.33	25.48	118.08	28.97	133.82	33.16	157.44	34.90	162.16	35.95	165.31	36.65	171.61	38.74		
	20.00	105.34	25.20	121.55	28.65	137.76	32.79	162.07	34.52	166.93	35.55	170.17	36.24	176.65	38.31		
	25.00	102.33	25.76	118.08	29.29	133.82	33.52	157.44	35.28	162.16	36.34	165.31	37.05	171.61	39.17		
	30.00	103.34	26.60	119.24	30.24	135.13	34.61	158.98	36.43	163.75	37.53	166.93	38.26	173.29	40.44		
	35.00	100.33	28.00	115.76	31.83	131.20	36.43	154.35	38.35	158.98	39.50	162.07	40.27	168.24	42.57		
	39.00	96.31	28.70	111.13	33.90	125.95	38.80	148.18	40.08	152.62	8.04	155.58	13.67	161.51	44.48		
	41.00	94.31	28.98	108.82	34.85	123.33	39.89	145.09	40.84	149.44	42.06	152.34	42.88	158.15	45.33		
	43.00	92.30	29.26	106.50	36.43	120.70	41.70	142.00	41.60	146.26	42.85	149.10	43.68	154.78	46.18		
	46.00	80.26	32.04	92.61	39.28	104.96	44.96	123.48	47.33	127.18	48.75	129.65	49.69	134.59	52.53		
50.00	65.21	33.44	75.25	39.60	85.28	45.32	100.33	49.24	103.34	50.71	105.34	51.70	109.36	54.65			
110%	-5.00	101.37	25.07	116.96	28.51	132.56	32.63	155.95	34.35	160.63	35.38	163.75	36.06	169.99	38.13		
	0.00	101.37	25.07	116.96	28.51	132.56	32.63	155.95	34.35	160.63	35.38	163.75	36.06	169.99	38.13		
	5.00	101.37	25.07	116.96	28.51	132.56	32.63	155.95	34.35	160.63	35.38	163.75	36.06	169.99	38.13		
	10.00	100.38	25.07	115.83	28.51	131.27	32.63	154.44	34.35	159.07	35.38	162.16	36.06	168.34	38.13		
	15.00	100.38	25.35	115.83	28.83	131.27	32.99	154.44	34.73	159.07	35.77	162.16	36.47	168.34	38.55		
	20.00	103.34	25.07	119.24	28.51	135.13	32.63	158.98	34.35	163.75	35.38	166.93	36.06	173.29	38.13		
	25.00	100.38	25.63	115.83	29.14	131.27	33.36	154.44	35.11	159.07	36.16	162.16	36.87	168.34	38.97		
	30.00	101.37	26.47	116.96	30.09	132.56	34.44	155.95	36.26	160.63	37.34	163.75	38.07	169.99	40.24		
	35.00	98.42	27.86	113.56	31.68	128.70	36.26	151.41	38.16	155.95	39.31	158.98	40.07	165.04	42.36		
	39.00	94.48	28.70	109.02	33.89	123.55	38.79	145.35	40.07	149.71	41.27	152.62	42.08	158.44	44.48		
	41.00	92.51	28.97	106.74	34.84	120.98	39.88	142.33	40.84	146.60	42.06	149.44	42.88	155.13	45.33		
	43.00	90.54	29.25	104.47	36.43	118.40	41.69	139.30	41.60	143.48	42.85	146.26	43.68	151.83	46.17		
	46.00	78.73	32.04	90.85	39.28	102.96	44.96	121.13	47.32	124.76	48.74	127.18	49.69	132.03	52.53		
50.00	63.97	33.43	73.81	39.60	83.65	45.32	98.42	49.23	101.37	50.71	103.34	51.69	107.27	54.65			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT052S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	98.42	24.70	113.56	28.09	128.70	32.15	151.41	33.84	155.95	34.86	158.98	35.53	165.04	37.56		
	0.00	98.42	24.70	113.56	28.09	128.70	32.15	151.41	33.84	155.95	34.86	158.98	35.53	165.04	37.56		
	5.00	98.42	24.70	113.56	28.09	128.70	32.15	151.41	33.84	155.95	34.86	158.98	35.53	165.04	37.56		
	10.00	97.46	24.70	112.46	28.09	127.45	32.15	149.94	33.84	154.44	34.86	157.44	35.53	163.43	37.56		
	15.00	97.46	24.98	112.46	28.40	127.45	32.51	149.94	34.22	154.44	35.24	157.44	35.93	163.43	37.98		
	20.00	100.33	24.70	115.76	28.09	131.20	32.15	154.35	33.84	158.98	34.86	162.07	35.53	168.24	37.56		
	25.00	97.46	25.25	112.46	28.71	127.45	32.86	149.94	34.59	154.44	35.63	157.44	36.32	163.43	38.40		
	30.00	98.42	26.08	113.56	29.65	128.70	33.93	151.41	35.72	155.95	36.79	158.98	37.51	165.04	39.65		
	35.00	95.55	27.45	110.25	31.21	124.95	35.72	147.00	37.60	151.41	38.73	154.35	39.48	160.23	41.74		
	39.00	91.73	28.27	105.84	33.39	119.95	38.22	141.12	39.48	145.35	40.66	148.18	41.45	153.82	43.82		
	41.00	89.82	28.55	103.64	34.33	117.45	39.29	138.18	40.23	142.33	41.44	145.09	42.24	150.62	44.66		
	43.00	87.91	28.82	101.43	35.89	114.95	41.08	135.24	40.98	139.30	42.21	142.00	43.03	147.41	45.49		
	46.00	76.44	31.57	88.20	38.70	99.96	44.29	117.60	46.62	121.13	48.02	123.48	48.96	128.18	51.75		
50.00	62.11	32.94	71.66	39.01	81.22	44.65	95.55	48.50	98.42	49.96	100.33	50.93	104.15	53.84			
90%	-5.00	88.57	20.50	102.20	23.31	115.83	26.68	136.27	25.45	140.36	28.93	143.08	29.49	148.53	31.18		
	0.00	88.57	20.50	102.20	23.31	115.83	26.68	136.27	28.09	140.36	28.93	143.08	29.49	148.53	31.18		
	5.00	88.57	20.50	102.20	23.31	115.83	26.68	136.27	28.09	140.36	28.93	143.08	29.49	148.53	31.18		
	10.00	87.71	20.50	101.21	23.31	114.70	26.68	134.95	28.09	138.99	28.93	141.69	29.49	147.09	31.18		
	15.00	87.71	20.73	101.21	23.57	114.70	26.98	134.95	28.40	138.99	29.25	141.69	29.82	147.09	31.52		
	20.00	90.29	20.50	104.19	23.31	118.08	26.68	138.92	28.09	143.08	28.93	145.86	29.49	151.42	31.18		
	25.00	87.71	20.96	101.21	23.83	114.70	27.28	134.95	28.71	138.99	29.57	141.69	30.15	147.09	31.87		
	30.00	88.57	21.64	102.20	24.61	115.83	28.17	136.27	29.65	140.36	30.54	143.08	31.13	148.53	32.91		
	35.00	86.00	22.78	99.23	25.90	112.46	29.65	132.30	31.21	136.27	32.14	138.92	32.77	144.21	34.64		
	39.00	82.56	23.47	95.26	27.72	107.96	31.72	127.01	32.77	130.82	33.75	133.36	34.41	138.44	36.37		
	41.00	80.84	23.69	93.27	28.49	105.71	32.61	124.36	33.39	128.09	34.39	130.58	35.06	135.55	37.07		
	43.00	79.12	23.92	91.29	29.79	103.46	34.09	121.72	34.02	125.37	35.04	127.80	35.72	132.67	37.76		
	46.00	73.58	25.25	84.90	30.96	96.22	35.43	113.20	37.30	116.59	38.42	118.86	39.16	123.38	41.40		
50.00	69.62	27.34	80.33	32.38	91.04	37.06	107.11	40.26	110.32	41.47	112.47	42.27	116.75	44.69			
80%	-5.00	78.73	17.54	90.85	19.94	102.96	22.83	121.13	24.03	124.76	24.75	127.18	25.23	132.03	26.67		
	0.00	78.73	17.54	90.85	19.94	102.96	22.83	121.13	24.03	124.76	24.75	127.18	25.23	132.03	26.67		
	5.00	78.73	17.54	90.85	19.94	102.96	22.83	121.13	24.03	124.76	24.75	127.18	25.23	132.03	26.67		
	10.00	77.97	17.54	89.96	19.94	101.96	22.83	119.95	24.03	123.55	24.75	125.95	25.23	130.75	26.67		
	15.00	77.97	17.73	89.96	20.16	101.96	23.08	119.95	24.29	123.55	25.02	125.95	25.51	130.75	26.97		
	20.00	80.26	17.54	92.61	19.94	104.96	22.83	123.48	24.03	127.18	24.75	129.65	25.23	134.59	26.67		
	25.00	77.97	17.93	89.96	20.39	101.96	23.33	119.95	24.56	123.55	25.30	125.95	25.79	130.75	27.26		
	30.00	80.70	18.51	93.12	21.05	105.53	24.09	124.16	25.36	127.88	26.12	130.36	26.63	135.33	28.15		
	35.00	78.35	19.49	90.41	22.16	102.46	25.36	120.54	26.70	124.16	27.50	126.57	28.03	131.39	29.63		
	39.00	75.22	20.07	86.79	23.71	98.36	27.14	115.72	28.03	119.19	28.87	121.50	29.43	126.13	31.11		
	41.00	73.65	20.27	84.98	24.37	96.31	27.90	113.31	28.56	116.71	29.42	118.97	29.99	123.51	31.71		
	43.00	72.08	20.46	83.17	25.48	94.26	29.17	110.90	29.10	114.22	29.97	116.44	30.55	120.88	32.30		
	46.00	68.03	22.41	78.50	27.48	88.96	31.45	104.66	33.10	107.80	34.10	109.90	34.76	114.08	36.74		
50.00	57.76	23.39	66.65	27.70	75.53	31.70	88.86	34.44	91.53	35.47	93.30	36.16	96.86	38.23			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT052S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	70.86	14.82	81.76	16.85	92.66	19.29	109.02	20.30	112.29	20.91	114.47	21.32	118.83	22.54		
	0.00	70.86	14.82	81.76	16.85	92.66	19.29	109.02	20.30	112.29	20.91	114.47	21.32	118.83	22.54		
	5.00	70.86	14.82	81.76	16.85	92.66	19.29	109.02	20.30	112.29	20.91	114.47	21.32	118.83	22.54		
	10.00	70.17	14.82	80.97	16.85	91.76	19.29	107.96	20.30	111.20	20.91	113.35	21.32	117.67	22.54		
	15.00	70.17	14.99	80.97	17.04	91.76	19.50	107.96	20.53	111.20	21.15	113.35	21.56	117.67	22.79		
	20.00	72.24	14.82	83.35	16.85	94.46	19.29	111.13	20.30	114.47	20.91	116.69	21.32	121.13	22.54		
	25.00	70.17	15.15	80.97	17.23	91.76	19.72	107.96	20.76	111.20	21.38	113.35	21.79	117.67	23.04		
	30.00	70.86	15.65	81.76	17.79	92.66	20.36	109.02	21.43	112.29	22.07	114.47	22.50	118.83	23.79		
	35.00	68.80	16.47	79.38	18.72	89.96	21.43	105.84	22.56	109.02	23.24	111.13	23.69	115.37	25.04		
	39.00	66.04	16.96	76.20	20.04	86.37	22.93	101.61	23.69	104.65	24.40	106.69	24.87	110.75	26.29		
	41.00	64.67	17.13	74.62	20.60	84.57	23.58	99.49	24.14	102.47	24.86	104.46	25.35	108.44	26.79		
	43.00	63.29	17.29	73.03	21.53	82.77	24.65	97.37	24.59	100.29	25.33	102.24	25.82	106.14	27.30		
46.00	59.62	17.99	68.80	22.06	77.97	25.25	91.73	26.58	94.48	27.37	96.31	27.90	99.98	29.50			
50.00	48.44	18.77	55.90	22.24	63.35	25.45	74.53	27.65	76.76	28.48	78.26	29.03	81.24	30.69			
60%	-5.00	61.02	12.10	70.41	13.76	79.79	15.75	93.87	16.58	96.69	17.08	98.57	17.41	102.32	18.41		
	0.00	61.02	12.10	70.41	13.76	79.79	15.75	93.87	16.58	96.69	17.08	98.57	17.41	102.32	18.41		
	5.00	61.02	12.10	70.41	13.76	79.79	15.75	93.87	16.58	96.69	17.08	98.57	17.41	102.32	18.41		
	10.00	60.43	12.10	69.72	13.76	79.02	15.75	92.96	16.58	95.75	17.08	97.61	17.41	101.33	18.41		
	15.00	60.43	12.24	69.72	13.92	79.02	15.93	92.96	16.77	95.75	17.27	97.61	17.60	101.33	18.61		
	20.00	62.20	12.10	71.77	13.76	81.34	15.75	95.70	16.58	98.57	17.08	100.48	17.41	104.31	18.41		
	25.00	60.43	12.37	69.72	14.07	79.02	16.10	92.96	16.95	95.75	17.46	97.61	17.80	101.33	18.81		
	30.00	61.02	12.78	70.41	14.53	79.79	16.63	93.87	17.50	96.69	18.03	98.57	18.38	102.32	19.43		
	35.00	59.24	13.45	68.36	15.29	77.47	17.50	91.14	18.42	93.87	18.98	95.70	19.35	99.34	20.45		
	39.00	56.87	13.85	65.62	16.36	74.37	18.73	87.49	19.35	90.12	19.93	91.87	20.31	95.37	21.47		
	41.00	55.69	13.99	64.25	16.82	72.82	19.25	85.67	19.71	88.24	20.31	89.96	20.70	93.38	21.88		
	43.00	54.50	14.12	62.89	17.59	71.27	20.13	83.85	20.08	86.36	20.68	88.04	21.09	91.40	22.29		
46.00	52.74	15.47	60.86	18.96	68.97	21.70	81.14	22.85	83.58	23.53	85.20	23.99	88.45	25.36			
50.00	42.85	16.14	49.45	19.11	56.04	21.88	65.93	23.77	67.91	24.48	69.23	24.96	71.86	26.38			
50%	-5.00	49.21	9.88	56.78	11.23	64.35	12.86	75.71	13.54	77.98	13.94	79.49	14.21	82.52	15.02		
	0.00	49.21	9.88	56.78	11.23	64.35	12.86	75.71	13.54	77.98	13.94	79.49	14.21	82.52	15.02		
	5.00	49.21	9.88	56.78	11.23	64.35	12.86	75.71	13.54	77.98	13.94	79.49	14.21	82.52	15.02		
	10.00	48.73	9.88	56.23	11.23	63.72	12.86	74.97	13.54	77.22	13.94	78.72	14.21	81.72	15.02		
	15.00	48.73	9.99	56.23	11.36	63.72	13.00	74.97	13.69	77.22	14.10	78.72	14.37	81.72	15.19		
	20.00	50.16	9.88	57.88	11.23	65.60	12.86	77.18	13.54	79.49	13.94	81.03	14.21	84.12	15.02		
	25.00	48.73	10.10	56.23	11.48	63.72	13.14	74.97	13.84	77.22	14.25	78.72	14.53	81.72	15.36		
	30.00	49.21	10.43	56.78	11.86	64.35	13.57	75.71	14.29	77.98	14.72	79.49	15.00	82.52	15.86		
	35.00	47.78	10.98	55.13	12.48	62.48	14.29	73.50	15.04	75.71	15.49	77.18	15.79	80.12	16.69		
	39.00	45.86	11.31	52.92	13.36	59.98	15.29	70.56	15.79	72.68	16.27	74.09	16.58	76.91	17.53		
	41.00	44.91	11.42	51.82	13.73	58.73	15.72	69.09	16.09	71.16	16.58	72.54	16.90	75.31	17.86		
	43.00	43.95	11.53	50.72	14.36	57.48	16.43	67.62	16.39	69.65	16.89	71.00	17.21	73.71	18.20		
46.00	41.76	11.99	48.18	14.71	54.60	16.83	64.24	17.72	66.17	18.25	67.45	18.60	70.02	19.67			
50.00	40.44	12.52	46.66	14.82	52.88	16.97	62.21	18.43	64.08	18.98	65.32	19.35	67.81	20.46			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT054S73HQSS										Cooling Capacity			
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	108.31	29.54	124.98	32.69	141.64	37.41	166.64	39.38	171.64	40.56	174.97	41.35	181.63	43.71
	0.00	108.31	29.54	124.98	32.69	141.64	37.41	166.64	39.38	171.64	40.56	174.97	41.35	181.63	43.71
	5.00	108.31	29.54	124.98	32.69	141.64	37.41	166.64	39.38	171.64	40.56	174.97	41.35	181.63	43.71
	10.00	107.26	29.54	123.76	32.69	140.27	37.41	165.02	39.38	169.97	40.56	173.27	41.35	179.87	43.71
	15.00	107.26	29.86	123.76	33.05	140.27	37.83	165.02	39.82	169.97	41.01	173.27	41.81	179.87	44.20
	20.00	110.42	29.54	127.40	32.69	144.39	13.29	169.87	13.29	174.97	13.29	178.37	13.29	185.16	43.71
	25.00	107.26	30.19	123.76	33.41	140.27	38.24	165.02	40.26	169.97	41.47	173.27	42.27	179.87	44.69
	30.00	108.31	31.18	124.98	34.50	141.64	39.49	166.64	41.57	171.64	42.82	174.97	43.65	181.63	46.14
	35.00	105.16	32.82	121.34	36.32	137.52	41.57	161.78	43.76	166.64	45.07	169.87	45.95	176.34	48.57
	39.00	100.95	33.80	116.48	38.86	132.02	44.48	155.31	45.95	159.97	47.32	163.08	48.24	169.29	51.00
	41.00	98.85	34.47	114.06	40.34	129.27	46.18	152.08	47.28	156.64	48.70	159.68	49.64	165.76	52.48
	43.00	96.75	34.80	111.63	42.18	126.52	48.27	148.84	48.16	153.31	49.61	156.28	50.57	162.24	53.46
46.00	84.13	38.11	97.07	45.48	110.01	52.05	129.43	54.79	133.31	56.44	135.90	57.53	141.08	60.82	
50.00	68.35	39.77	78.87	45.84	89.39	52.47	105.16	57.00	108.31	58.71	110.42	59.85	114.62	63.27	
120%	-5.00	106.29	29.54	122.64	32.69	138.99	37.41	163.52	39.38	168.43	40.56	171.70	41.35	178.24	43.71
	0.00	106.29	29.54	122.64	32.69	138.99	37.41	163.52	39.38	168.43	40.56	171.70	41.35	178.24	43.71
	5.00	106.29	29.54	122.64	32.69	138.99	37.41	163.52	39.38	168.43	40.56	171.70	41.35	178.24	43.71
	10.00	105.26	29.54	121.45	32.69	137.64	37.41	161.94	39.38	166.79	40.56	170.03	41.35	176.51	43.71
	15.00	105.26	29.86	121.45	33.05	137.64	37.83	161.94	39.82	166.79	41.01	170.03	41.81	176.51	44.20
	20.00	108.35	29.54	125.02	32.69	141.69	37.41	166.70	39.38	171.70	40.56	175.03	41.35	181.70	43.71
	25.00	105.26	30.19	121.45	33.41	137.64	38.24	161.94	40.26	166.79	41.47	170.03	42.27	176.51	44.69
	30.00	106.29	31.18	122.64	34.50	138.99	39.49	163.52	41.57	168.43	42.82	171.70	43.65	178.24	46.14
	35.00	103.19	32.82	119.07	36.32	134.95	41.57	158.76	43.76	163.52	45.07	166.70	45.95	173.05	48.57
	39.00	99.07	33.64	114.31	38.67	129.55	44.27	152.41	45.73	156.98	47.32	160.03	48.24	169.29	51.00
	41.00	97.00	33.97	111.93	39.76	126.85	45.51	149.23	46.60	153.71	47.99	156.70	48.93	162.67	51.72
	43.00	94.94	34.29	109.54	41.57	124.15	47.58	146.06	47.47	150.44	48.89	153.36	49.84	159.20	52.69
46.00	82.56	37.56	95.26	44.82	107.96	51.30	127.01	54.00	130.82	55.62	133.36	56.70	138.44	59.94	
50.00	67.08	39.19	77.40	45.18	87.71	51.71	103.19	56.18	106.29	57.86	108.35	58.99	112.48	62.36	
110%	-5.00	104.27	29.39	120.31	32.53	136.35	37.23	160.41	39.19	165.22	40.36	168.43	41.15	174.84	43.50
	0.00	104.27	29.39	120.31	32.53	136.35	37.23	160.41	39.19	165.22	40.36	168.43	41.15	174.84	43.50
	5.00	104.27	29.39	120.31	32.53	136.35	37.23	160.41	39.19	165.22	40.36	168.43	41.15	174.84	43.50
	10.00	103.25	29.39	119.14	32.53	135.02	37.23	158.85	39.19	163.62	40.36	166.79	41.15	173.15	43.50
	15.00	103.25	29.72	119.14	32.89	135.02	37.64	158.85	39.62	163.62	40.81	166.79	41.61	173.15	43.98
	20.00	106.29	29.39	122.64	32.53	138.99	37.23	163.52	39.19	168.43	40.36	171.70	41.15	178.24	43.50
	25.00	103.25	30.05	119.14	33.25	135.02	38.06	158.85	40.06	163.62	41.26	166.79	42.06	173.15	44.47
	30.00	104.27	31.02	120.31	34.33	136.35	39.30	160.41	41.37	165.22	42.61	168.43	43.43	174.84	45.92
	35.00	101.23	32.66	116.80	36.14	132.38	41.37	155.74	43.54	160.41	44.85	163.52	45.72	169.75	48.33
	39.00	97.18	33.64	112.13	38.67	127.08	44.26	149.51	45.72	153.99	47.09	156.98	48.01	162.96	50.75
	41.00	95.15	33.96	109.79	39.76	124.43	45.50	146.39	46.59	150.78	47.99	153.71	48.92	159.57	51.72
	43.00	93.13	34.29	107.46	41.56	121.79	47.57	143.28	47.46	147.58	48.89	150.44	49.84	156.17	52.68
46.00	80.98	37.56	93.44	44.81	105.90	51.29	124.59	53.99	128.33	55.61	130.82	56.69	135.80	59.93	
50.00	65.80	39.19	75.92	45.18	86.04	51.71	101.23	56.17	104.27	57.86	106.29	58.98	110.34	62.35	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT054S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	101.23	28.96	116.80	32.05	132.38	36.68	155.74	38.61	160.41	39.77	163.52	40.54	169.75	42.86
	0.00	101.23	28.96	116.80	32.05	132.38	36.68	155.74	38.61	160.41	39.77	163.52	40.54	169.75	42.86
	5.00	101.23	28.96	116.80	32.05	132.38	36.68	155.74	38.61	160.41	39.77	163.52	40.54	169.75	42.86
	10.00	100.25	28.96	115.67	32.05	131.09	36.68	154.22	38.61	158.85	39.77	161.94	40.54	168.10	42.86
	15.00	100.25	29.28	115.67	32.40	131.09	37.09	154.22	39.04	158.85	40.21	161.94	40.99	168.10	43.33
	20.00	103.19	28.96	119.07	32.05	134.95	36.68	158.76	38.61	163.52	39.77	166.70	40.54	173.05	42.86
	25.00	100.25	29.60	115.67	32.76	131.09	37.49	154.22	39.47	158.85	40.65	161.94	41.44	168.10	43.81
	30.00	101.23	30.57	116.80	33.83	132.38	38.72	155.74	40.76	160.41	41.98	163.52	42.79	169.75	45.24
	35.00	98.28	32.18	113.40	35.61	128.52	40.76	151.20	42.90	155.74	44.19	158.76	45.05	164.81	47.62
	39.00	94.35	33.14	108.86	38.10	123.38	43.61	145.15	45.05	149.51	46.40	152.41	47.30	158.22	50.00
	41.00	92.38	33.46	106.60	39.17	120.81	44.83	142.13	45.90	146.39	47.28	149.23	48.20	154.92	50.95
	43.00	90.42	33.78	104.33	40.95	118.24	46.87	139.10	46.76	143.28	48.16	146.06	49.10	151.62	51.90
	46.00	78.62	37.00	90.72	44.15	102.82	50.54	120.96	53.20	124.59	54.79	127.01	55.86	131.85	59.05
	50.00	63.88	38.61	73.71	44.51	83.54	50.94	98.28	55.34	101.23	57.00	103.19	58.11	107.13	61.43
90%	-5.00	91.11	24.61	105.12	26.60	119.14	30.44	140.16	32.05	144.37	33.01	147.17	33.65	152.78	35.57
	0.00	91.11	24.61	105.12	27.24	119.14	31.18	140.16	32.05	144.37	33.01	147.17	33.65	152.78	35.57
	5.00	91.11	24.61	105.12	27.24	119.14	31.18	140.16	32.05	144.37	33.01	147.17	33.65	152.78	35.57
	10.00	90.22	24.61	104.10	27.24	117.98	31.18	138.80	32.05	142.97	33.01	145.74	33.65	151.29	35.57
	15.00	90.22	24.89	104.10	27.54	117.98	31.52	138.80	32.40	142.97	33.37	145.74	34.02	151.29	35.97
	20.00	92.87	24.61	107.16	27.24	121.45	31.18	142.88	32.05	147.17	33.01	150.03	33.65	155.74	35.57
	25.00	90.22	25.16	104.10	27.84	117.98	31.87	138.80	32.76	142.97	33.74	145.74	34.40	151.29	36.36
	30.00	91.11	25.98	105.12	28.75	119.14	32.91	140.16	33.83	144.37	34.84	147.17	35.52	152.78	37.55
	35.00	88.45	27.35	102.06	30.27	115.67	34.64	136.08	35.61	140.16	36.68	142.88	37.39	148.33	39.52
	39.00	84.91	28.17	97.98	32.38	111.04	37.07	130.64	37.39	134.56	38.51	137.17	39.26	142.39	41.50
	41.00	83.14	28.44	95.94	32.51	108.73	37.21	127.92	38.10	131.75	39.24	134.31	40.00	139.43	42.29
	43.00	81.38	28.72	93.90	32.76	106.41	37.49	125.19	38.81	128.95	39.98	131.45	40.75	136.46	43.08
	46.00	75.68	31.45	87.32	35.76	98.97	40.93	116.43	42.56	119.92	43.83	122.25	44.68	126.91	47.24
	50.00	71.61	32.82	82.63	37.83	93.64	43.30	110.17	45.93	113.48	47.31	115.68	48.23	120.09	50.99
80%	-5.00	80.98	23.17	93.44	23.39	105.90	26.78	124.59	27.41	128.33	28.24	130.82	28.78	135.80	30.43
	0.00	80.98	23.17	93.44	23.39	105.90	26.78	124.59	27.41	128.33	28.24	130.82	28.78	135.80	30.43
	5.00	80.98	23.17	93.44	23.39	105.90	26.78	124.59	27.41	128.33	28.24	130.82	28.78	135.80	30.43
	10.00	80.20	23.17	92.53	23.39	104.87	26.78	123.38	27.41	127.08	28.24	129.55	28.78	134.48	30.43
	15.00	80.20	23.42	92.53	23.65	104.87	27.07	123.38	27.72	127.08	28.55	129.55	29.10	134.48	30.77
	20.00	82.56	23.17	95.26	23.39	107.96	26.78	127.01	27.41	130.82	28.24	133.36	28.78	138.44	30.43
	25.00	80.20	23.68	92.53	23.91	104.87	27.37	123.38	28.02	127.08	28.86	129.55	29.42	134.48	31.10
	30.00	83.01	24.45	95.78	24.69	108.55	28.26	127.70	28.94	131.53	29.80	134.09	30.38	139.20	32.12
	35.00	80.59	25.74	92.99	25.99	105.39	29.75	123.98	30.46	127.70	31.37	130.18	31.98	135.14	33.81
	39.00	77.37	26.51	89.27	27.81	101.17	31.83	119.02	31.98	122.60	32.94	124.98	33.58	129.74	35.50
	41.00	75.75	26.77	87.41	28.59	99.06	32.73	116.54	32.59	120.04	33.57	122.37	34.22	127.03	36.18
	43.00	74.14	27.03	85.55	29.89	96.96	34.21	114.07	33.20	117.49	34.20	119.77	34.86	124.33	36.85
	46.00	69.98	29.60	80.74	32.23	91.51	36.89	107.65	37.77	110.88	38.90	113.04	39.66	117.34	41.92
	50.00	59.41	30.89	68.55	32.49	77.69	37.19	91.40	39.29	94.14	40.47	95.97	41.26	99.63	43.61

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT054S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5.00	72.88	20.27	84.10	19.87	95.31	22.74	112.13	23.94	115.49	24.66	117.74	25.14	122.22	26.57		
	0.00	72.88	20.27	84.10	19.87	95.31	22.74	112.13	23.94	115.49	24.66	117.74	25.14	122.22	26.57		
	5.00	72.88	20.27	84.10	19.87	95.31	22.74	112.13	23.94	115.49	24.66	117.74	25.14	122.22	26.57		
	10.00	72.18	20.27	83.28	19.87	94.39	22.74	111.04	23.94	114.37	24.66	116.59	25.14	121.03	26.57		
	15.00	72.18	20.50	83.28	20.09	94.39	22.99	111.04	24.20	114.37	24.93	116.59	25.41	121.03	26.87		
	20.00	74.30	20.27	85.73	19.87	97.16	22.74	114.31	23.94	117.74	24.66	120.02	25.14	124.59	26.57		
	25.00	72.18	20.72	83.28	20.31	94.39	23.25	111.04	24.47	114.37	25.20	116.59	25.69	121.03	27.16		
	30.00	72.88	21.40	84.10	20.97	95.31	24.00	112.13	25.27	115.49	26.03	117.74	26.53	122.22	28.05		
	35.00	70.76	22.52	81.65	22.08	92.53	25.27	108.86	26.60	112.13	27.40	114.31	27.93	118.66	29.52		
	39.00	67.93	23.20	78.38	23.62	88.83	27.04	104.51	27.93	107.64	28.77	109.73	29.32	113.92	31.00		
	41.00	66.52	21.42	76.75	24.28	86.98	27.79	102.33	28.46	105.40	29.31	107.45	29.88	111.54	31.59		
	43.00	65.10	23.65	75.12	25.39	85.13	29.06	100.15	28.99	103.16	29.86	105.16	30.44	109.17	32.18		
	46.00	61.33	25.90	70.76	27.37	80.20	31.33	94.35	32.45	97.18	33.42	99.07	34.07	102.84	36.02		
50.00	49.83	25.10	57.49	27.60	65.16	31.59	76.66	33.20	78.96	34.20	80.49	34.86	83.56	36.86			
60%	-5.00	62.76	16.51	72.42	16.02	82.07	18.34	96.56	19.31	99.45	19.88	101.38	20.27	105.25	21.43		
	0.00	62.76	16.51	72.42	16.02	82.07	18.34	96.56	19.31	99.45	19.88	101.38	20.27	105.25	21.43		
	5.00	62.76	16.51	72.42	16.02	82.07	18.34	96.56	19.31	99.45	19.88	101.38	20.27	105.25	21.43		
	10.00	62.15	16.51	71.71	16.02	81.28	18.34	95.62	19.31	98.49	19.88	100.40	20.27	104.22	21.43		
	15.00	62.15	16.69	71.71	16.20	81.28	18.54	95.62	19.52	98.49	20.11	100.40	20.50	104.22	21.67		
	20.00	63.98	16.51	73.82	16.02	83.67	18.34	98.43	19.31	101.38	19.88	103.35	20.27	107.29	21.43		
	25.00	62.15	16.87	71.71	16.38	81.28	18.75	95.62	19.73	98.49	20.33	100.40	20.72	104.22	21.90		
	30.00	62.76	17.42	72.42	16.91	82.07	19.36	96.56	19.56	99.45	20.15	101.38	20.54	105.25	21.71		
	35.00	60.93	18.34	70.31	17.80	79.68	20.38	93.74	20.59	96.56	21.21	98.43	21.62	102.18	22.86		
	39.00	58.50	18.89	67.50	19.05	76.50	21.80	89.99	21.62	92.69	22.27	94.49	22.70	98.09	24.00		
	41.00	57.28	18.40	66.09	19.58	74.90	22.42	88.12	22.03	90.76	22.69	92.53	23.14	96.05	24.46		
	43.00	56.06	18.58	64.68	20.47	73.31	23.43	86.24	22.45	88.83	23.12	90.56	23.57	94.01	24.91		
	46.00	54.25	21.09	62.60	22.08	70.94	25.27	83.46	25.53	85.97	26.30	87.64	26.81	90.97	28.34		
50.00	44.08	21.24	50.86	22.25	57.64	25.47	67.81	26.56	69.85	27.36	71.20	27.89	73.92	29.49			
50%	-5.00	50.61	13.03	58.40	13.14	66.19	15.04	77.87	15.44	80.20	15.91	81.76	16.22	84.88	17.14		
	0.00	50.61	13.03	58.40	13.14	66.19	15.04	77.87	15.44	80.20	15.91	81.76	16.22	84.88	17.14		
	5.00	50.61	13.03	58.40	13.14	66.19	15.04	77.87	15.44	80.20	15.91	81.76	16.22	84.88	17.14		
	10.00	50.12	13.03	57.83	13.14	65.55	15.04	77.11	15.44	79.43	15.91	80.97	16.22	84.05	17.14		
	15.00	50.12	13.18	57.83	13.28	65.55	15.21	77.11	15.62	79.43	16.08	80.97	16.40	84.05	17.33		
	20.00	51.60	13.03	59.54	13.14	67.47	15.04	79.38	15.44	81.76	15.91	83.35	16.22	86.52	17.14		
	25.00	50.12	13.32	57.83	13.43	65.55	15.37	77.11	15.79	79.43	16.26	80.97	16.58	84.05	17.52		
	30.00	50.61	13.75	58.40	13.87	66.19	15.87	77.87	16.30	80.20	16.79	81.76	17.12	84.88	18.10		
	35.00	49.14	14.48	56.70	14.60	64.26	16.71	75.60	17.16	77.87	17.67	79.38	18.02	82.40	19.05		
	39.00	47.17	14.91	54.43	15.62	61.69	17.88	72.58	18.02	74.75	18.56	76.20	18.92	79.11	20.00		
	41.00	46.19	15.06	53.30	16.06	60.40	18.38	71.06	18.36	73.20	18.91	74.62	19.28	77.46	20.38		
	43.00	45.21	15.20	52.16	16.79	59.12	19.22	69.55	18.70	71.64	19.27	73.03	19.64	75.81	20.76		
	46.00	42.95	16.65	49.56	17.22	56.16	19.71	66.07	20.21	68.06	20.82	69.38	21.23	72.02	22.44		
50.00	41.59	17.37	47.99	17.36	54.39	19.87	63.99	21.03	65.91	21.66	67.19	22.08	69.75	23.34			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT056S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	112.33	30.09	129.61	33.30	146.89	38.11	172.81	40.12	177.99	41.32	181.45	42.12	188.36	44.53
	0.00	112.33	30.09	129.61	33.30	146.89	38.11	172.81	40.12	177.99	41.32	181.45	42.12	188.36	44.53
	5.00	112.33	30.09	129.61	33.30	146.89	38.11	172.81	40.12	177.99	41.32	181.45	42.12	188.36	44.53
	10.00	111.24	30.09	128.35	33.30	145.46	38.11	171.13	40.12	176.27	41.32	179.69	42.12	186.53	44.53
	15.00	111.24	30.42	128.35	33.67	145.46	38.53	171.13	40.56	176.27	41.78	179.69	42.59	186.53	45.02
	20.00	114.51	30.09	132.12	33.30	149.74	13.29	176.16	13.29	181.45	13.29	184.97	13.29	192.02	44.53
	25.00	111.24	30.76	128.35	34.04	145.46	38.96	171.13	41.01	176.27	42.24	179.69	43.06	186.53	45.52
	30.00	112.33	31.76	129.61	35.15	146.89	40.23	172.81	42.35	177.99	43.62	181.45	44.46	188.36	47.00
	35.00	109.05	33.43	125.83	37.00	142.61	42.35	167.78	44.57	172.81	45.91	176.16	46.80	182.88	49.48
	39.00	104.69	34.43	120.80	39.59	136.91	45.31	161.06	46.80	165.90	48.21	169.12	49.14	175.56	51.95
	41.00	102.51	35.11	118.28	41.10	134.05	47.04	157.71	48.16	162.44	49.61	165.59	50.57	171.90	53.46
	43.00	100.33	35.45	115.77	42.96	131.20	49.17	154.35	49.06	158.98	50.53	162.07	51.52	168.25	54.46
46.00	87.24	38.82	100.67	46.33	114.09	53.02	134.22	55.81	138.25	57.49	140.93	58.60	146.30	61.95	
50.00	70.89	40.51	81.79	46.70	92.70	53.45	109.05	58.06	112.33	59.81	114.51	60.97	118.87	64.45	
120%	-5.00	110.23	30.09	127.18	33.30	144.14	38.11	169.58	40.12	174.67	41.32	178.06	42.12	184.84	44.53
	0.00	110.23	30.09	127.18	33.30	144.14	38.11	169.58	40.12	174.67	41.32	178.06	42.12	184.84	44.53
	5.00	110.23	30.09	127.18	33.30	144.14	38.11	169.58	40.12	174.67	41.32	178.06	42.12	184.84	44.53
	10.00	109.16	30.09	125.95	33.30	142.74	38.11	167.93	40.12	172.97	41.32	176.33	42.12	183.05	44.53
	15.00	109.16	30.42	125.95	33.67	142.74	38.53	167.93	40.56	172.97	41.78	176.33	42.59	183.05	45.02
	20.00	112.37	30.09	129.65	33.30	146.94	38.11	172.87	40.12	178.06	41.32	181.52	42.12	188.43	44.53
	25.00	109.16	30.76	125.95	34.04	142.74	38.96	167.93	41.01	172.97	42.24	176.33	43.06	183.05	45.52
	30.00	110.23	31.76	127.18	35.15	144.14	40.23	169.58	42.35	174.67	43.62	178.06	44.46	184.84	47.00
	35.00	107.02	33.43	123.48	37.00	139.94	42.35	164.64	44.57	169.58	45.91	172.87	46.80	179.46	49.48
	39.00	102.74	34.27	118.54	39.40	134.35	45.09	158.05	46.58	162.80	48.21	165.96	50.57	172.28	51.70
	41.00	100.60	34.60	116.07	40.50	131.55	46.36	154.76	47.47	159.40	48.89	162.50	49.84	168.69	52.69
	43.00	98.45	34.93	113.60	42.34	128.75	48.46	151.47	48.35	156.01	49.80	159.04	50.77	165.10	53.67
46.00	85.61	38.26	98.78	45.66	111.96	52.26	131.71	55.01	135.66	56.66	138.30	57.76	143.57	61.06	
50.00	69.56	39.92	80.26	46.02	90.96	52.68	107.02	57.22	110.23	58.94	112.37	60.09	116.65	63.52	
110%	-5.00	108.13	29.94	124.76	33.13	141.40	37.92	166.35	39.92	171.34	41.12	174.67	41.92	181.32	44.31
	0.00	108.13	29.94	124.76	33.13	141.40	37.92	166.35	39.92	171.34	41.12	174.67	41.92	181.32	44.31
	5.00	108.13	29.94	124.76	33.13	141.40	37.92	166.35	39.92	171.34	41.12	174.67	41.92	181.32	44.31
	10.00	107.08	29.94	123.55	33.13	140.02	37.92	164.73	39.92	169.68	41.12	172.97	41.92	179.56	44.31
	15.00	107.08	30.27	123.55	33.50	140.02	38.35	164.73	40.36	169.68	41.57	172.97	42.38	179.56	44.80
	20.00	110.23	29.94	127.18	33.13	144.14	37.92	169.58	39.92	174.67	41.12	178.06	41.92	184.84	44.31
	25.00	107.08	30.61	123.55	33.87	140.02	38.77	164.73	40.81	169.68	42.03	172.97	42.85	179.56	45.30
	30.00	108.13	31.60	124.76	34.97	141.40	40.03	166.35	42.14	171.34	43.40	174.67	44.24	181.32	46.77
	35.00	104.98	33.27	121.13	36.82	137.28	42.14	161.50	44.36	166.35	45.69	169.58	46.57	176.04	49.23
	39.00	100.78	34.26	116.28	39.39	131.79	45.09	155.04	46.57	159.70	47.97	162.80	48.90	169.00	51.70
	41.00	98.68	34.60	113.86	40.50	129.04	46.35	151.81	47.46	156.37	48.88	159.40	49.83	165.48	52.68
	43.00	96.58	34.93	111.44	42.34	126.30	48.46	148.58	48.35	153.04	49.80	156.01	50.76	161.96	53.67
46.00	83.98	38.26	96.90	45.65	109.82	52.25	129.20	55.00	133.08	56.65	135.66	57.75	140.83	61.05	
50.00	68.24	39.92	78.73	46.02	89.23	52.67	104.98	57.22	108.13	58.94	110.23	60.08	114.43	63.51	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT056S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	104.98	29.50	121.13	32.64	137.28	37.36	161.50	39.33	166.35	40.51	169.58	41.30	176.04	43.66
	0.00	104.98	29.50	121.13	32.64	137.28	37.36	161.50	39.33	166.35	40.51	169.58	41.30	176.04	43.66
	5.00	104.98	29.50	121.13	32.64	137.28	37.36	161.50	39.33	166.35	40.51	169.58	41.30	176.04	43.66
	10.00	103.96	29.50	119.95	32.64	135.95	37.36	159.94	39.33	164.73	40.51	167.93	41.30	174.33	43.66
	15.00	103.96	29.83	119.95	33.01	135.95	37.78	159.94	39.77	164.73	40.96	167.93	41.76	174.33	44.14
	20.00	107.02	29.50	123.48	32.64	139.94	37.36	164.64	39.33	169.58	40.51	172.87	41.30	179.46	43.66
	25.00	103.96	30.15	119.95	33.37	135.95	38.19	159.94	40.20	164.73	41.41	167.93	42.21	174.33	44.63
	30.00	104.98	31.14	121.13	34.46	137.28	39.44	161.50	41.52	166.35	42.76	169.58	43.59	176.04	46.08
	35.00	101.92	32.78	117.60	36.27	133.28	41.52	156.80	43.70	161.50	45.01	164.64	45.89	170.91	48.51
	39.00	97.84	33.76	112.90	38.81	127.95	44.42	150.53	45.89	155.04	47.26	158.05	48.18	164.08	50.93
	41.00	95.80	34.09	110.54	39.90	125.28	45.67	147.39	46.76	151.81	48.16	154.76	49.10	160.66	51.90
	43.00	93.77	34.41	108.19	41.71	122.62	47.74	144.26	47.63	148.58	49.06	151.47	50.01	157.24	52.87
	46.00	81.54	37.69	94.08	44.98	106.62	51.48	125.44	54.19	129.20	55.81	131.71	56.90	136.73	60.15
	50.00	66.25	39.33	76.44	45.34	86.63	51.89	101.92	56.37	104.98	58.06	107.02	59.19	111.09	62.57
90%	-5.00	94.48	24.87	109.02	27.09	123.55	31.01	145.35	32.64	149.71	33.62	152.62	34.28	158.44	36.23
	0.00	94.48	24.87	109.02	27.52	123.55	31.50	145.35	32.64	149.71	33.62	152.62	34.28	158.44	36.23
	5.00	94.48	24.87	109.02	27.52	123.55	31.50	145.35	32.64	149.71	33.62	152.62	34.28	158.44	36.23
	10.00	93.56	24.87	107.96	27.52	122.35	31.50	143.94	32.64	148.26	33.62	151.14	34.28	156.90	36.23
	15.00	93.56	25.15	107.96	27.83	122.35	31.85	143.94	33.01	148.26	34.00	151.14	34.66	156.90	36.64
	20.00	96.31	24.87	111.13	27.52	125.95	31.50	148.18	32.64	152.62	33.62	155.58	34.28	161.51	36.23
	25.00	93.56	25.42	107.96	28.13	122.35	32.20	143.94	33.37	148.26	34.37	151.14	35.04	156.90	37.04
	30.00	94.48	26.25	109.02	29.05	123.55	33.25	145.35	34.46	149.71	35.49	152.62	36.18	158.44	38.25
	35.00	91.73	27.63	105.84	30.58	119.95	35.00	141.12	36.27	145.35	37.36	148.18	38.08	153.82	40.26
	39.00	88.06	28.46	101.61	32.72	115.15	37.45	135.48	38.08	139.54	39.23	142.25	39.99	147.67	42.27
	41.00	86.22	28.74	99.49	33.12	112.75	37.90	132.65	38.81	136.63	39.97	139.29	40.75	144.59	43.08
	43.00	84.39	29.01	97.37	33.80	110.36	38.69	129.83	39.54	133.73	40.72	136.32	41.51	141.52	43.88
	46.00	78.48	31.39	90.56	36.28	102.63	41.52	120.74	43.35	124.36	44.65	126.78	45.52	131.61	48.12
	50.00	74.26	33.16	85.69	38.22	97.11	43.75	114.25	46.79	117.68	48.19	119.96	49.13	124.53	51.94
80%	-5.00	83.98	22.68	96.90	23.60	109.82	27.02	129.20	27.92	133.08	28.76	135.66	29.32	140.83	31.00
	0.00	83.98	22.68	96.90	23.60	109.82	27.02	129.20	27.92	133.08	28.76	135.66	29.32	140.83	31.00
	5.00	83.98	22.68	96.90	23.60	109.82	27.02	129.20	27.92	133.08	28.76	135.66	29.32	140.83	31.00
	10.00	83.17	22.68	95.96	23.60	108.76	27.02	127.95	27.92	131.79	28.76	134.35	29.32	139.46	31.00
	15.00	83.17	22.93	95.96	23.87	108.76	27.32	127.95	28.23	131.79	29.08	134.35	29.65	139.46	31.34
	20.00	85.61	22.68	98.78	23.60	111.96	27.02	131.71	27.92	135.66	28.76	138.30	29.32	143.57	31.00
	25.00	83.17	23.18	95.96	24.13	108.76	27.62	127.95	28.54	131.79	29.40	134.35	29.97	139.46	31.68
	30.00	86.08	23.94	99.32	24.92	112.57	28.52	132.43	29.48	136.41	30.36	139.05	30.95	144.35	32.72
	35.00	83.57	25.20	96.43	26.23	109.29	30.02	128.58	31.03	132.43	31.96	135.00	32.58	140.15	34.44
	39.00	80.23	25.96	92.57	28.06	104.92	32.12	123.43	32.58	127.14	33.56	129.60	34.21	134.54	36.16
	41.00	78.56	26.21	90.65	28.85	102.73	33.02	120.86	33.20	124.49	34.19	126.90	34.86	131.74	36.85
	43.00	76.89	26.46	88.72	30.16	100.55	34.52	118.29	33.82	121.84	34.83	124.20	35.51	128.94	37.54
	46.00	72.57	28.98	83.73	32.52	94.90	37.22	111.64	38.47	114.99	39.63	117.22	40.40	121.69	42.71
	50.00	61.61	30.24	71.09	32.78	80.57	37.52	94.79	40.02	97.63	41.23	99.52	42.03	103.32	44.43

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT056S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5.00	75.58	19.63	87.21	20.01	98.84	22.91	116.28	24.11	119.77	24.84	122.10	25.32	126.75	26.77		
	0.00	75.58	19.63	87.21	20.01	98.84	22.91	116.28	24.11	119.77	24.84	122.10	25.32	126.75	26.77		
	5.00	75.58	19.63	87.21	20.01	98.84	22.91	116.28	24.11	119.77	24.84	122.10	25.32	126.75	26.77		
	10.00	74.85	19.63	86.37	20.01	97.88	22.91	115.15	24.11	118.61	24.84	120.91	25.32	125.52	26.77		
	15.00	74.85	19.85	86.37	20.24	97.88	23.16	115.15	24.38	118.61	25.11	120.91	25.60	125.52	27.06		
	20.00	77.05	19.63	88.91	20.01	100.76	22.91	118.54	24.11	122.10	24.84	124.47	25.32	129.21	26.77		
	25.00	74.85	20.07	86.37	20.46	97.88	23.42	115.15	24.65	118.61	25.39	120.91	25.88	125.52	27.36		
	30.00	75.58	20.72	87.21	21.13	98.84	24.18	116.28	25.45	119.77	26.22	122.10	26.73	126.75	28.25		
	35.00	73.38	21.81	84.67	22.24	95.96	25.45	112.90	26.79	116.28	27.60	118.54	28.13	123.06	29.74		
	39.00	70.45	22.46	81.29	23.79	92.12	27.23	108.38	28.13	111.63	28.98	113.80	29.54	118.13	31.23		
	41.00	68.98	21.34	79.59	24.46	90.20	28.00	106.12	28.67	109.31	29.53	111.43	30.10	115.67	31.82		
	43.00	67.51	22.90	77.90	25.57	88.28	29.27	103.86	29.20	106.98	30.08	109.06	30.66	113.21	32.42		
46.00	63.60	24.82	73.38	27.26	83.17	31.56	97.84	32.31	100.78	33.27	102.74	33.92	106.65	35.86			
50.00	51.67	24.48	59.62	27.33	67.57	31.82	79.50	33.24	81.88	34.24	83.47	34.90	86.65	36.90			
60%	-5.00	65.09	16.10	75.10	16.32	85.11	18.68	100.13	19.53	103.14	20.11	105.14	20.51	109.14	21.68		
	0.00	65.09	16.10	75.10	16.32	85.11	18.68	100.13	19.53	103.14	20.11	105.14	20.51	109.14	21.68		
	5.00	65.09	16.10	75.10	16.32	85.11	18.68	100.13	19.53	103.14	20.11	105.14	20.51	109.14	21.68		
	10.00	64.45	16.10	74.37	16.32	84.29	18.68	99.16	19.53	102.14	20.11	104.12	20.51	108.08	21.68		
	15.00	64.45	16.28	74.37	16.50	84.29	18.89	99.16	19.75	102.14	20.34	104.12	20.73	108.08	21.92		
	20.00	66.35	16.10	76.56	16.32	86.77	18.68	102.08	19.53	105.14	20.11	107.18	20.51	111.26	21.68		
	25.00	64.45	16.46	74.37	16.68	84.29	19.10	99.16	19.96	102.14	20.56	104.12	20.96	108.08	22.16		
	30.00	65.09	16.78	75.10	16.99	85.11	19.45	100.13	20.07	103.14	20.67	105.14	21.07	109.14	22.28		
	35.00	63.19	17.66	72.91	17.88	82.63	20.47	97.22	21.13	100.13	21.76	102.08	22.18	105.97	23.45		
	39.00	60.66	18.19	70.00	19.14	79.33	21.90	93.33	22.18	96.13	22.85	97.99	23.29	101.73	24.62		
	41.00	59.40	17.92	68.54	19.67	77.68	22.52	91.38	22.61	94.12	23.28	95.95	23.74	99.61	25.09		
	43.00	58.14	18.10	67.08	20.57	76.02	23.54	89.44	23.03	92.12	23.72	93.91	24.18	97.49	25.56		
46.00	56.26	20.31	64.92	22.18	73.57	25.38	86.55	26.20	89.15	26.98	90.88	27.51	94.34	29.08			
50.00	45.71	20.68	52.74	22.36	59.78	25.59	70.32	27.25	72.43	28.07	73.84	28.62	76.65	30.25			
50%	-5.00	52.49	12.76	60.56	13.27	68.64	15.19	80.75	15.73	83.17	16.20	84.79	16.52	88.02	17.46		
	0.00	52.49	12.76	60.56	13.27	68.64	15.19	80.75	15.73	83.17	16.20	84.79	16.52	88.02	17.46		
	5.00	52.49	12.76	60.56	13.27	68.64	15.19	80.75	15.73	83.17	16.20	84.79	16.52	88.02	17.46		
	10.00	51.98	12.76	59.98	13.27	67.97	15.19	79.97	15.73	82.37	16.20	83.97	16.52	87.17	17.46		
	15.00	51.98	12.91	59.98	13.42	67.97	15.36	79.97	15.91	82.37	16.38	83.97	16.70	87.17	17.66		
	20.00	53.51	12.76	61.74	13.27	69.97	15.19	82.32	15.73	84.79	16.20	86.44	16.52	89.73	17.46		
	25.00	51.98	13.05	59.98	13.57	67.97	15.53	79.97	16.08	82.37	16.56	83.97	16.89	87.17	17.85		
	30.00	52.49	13.47	60.56	14.01	68.64	16.03	80.75	16.61	83.17	17.10	84.79	17.44	88.02	18.43		
	35.00	50.96	14.18	58.80	14.75	66.64	16.88	78.40	17.48	80.75	18.00	82.32	18.35	85.46	19.40		
	39.00	48.92	14.61	56.45	15.78	63.97	18.06	75.26	18.35	77.52	18.90	79.03	19.27	82.04	20.37		
	41.00	47.90	14.75	55.27	16.22	62.64	18.57	73.70	18.70	75.91	19.26	77.38	19.64	80.33	20.76		
	43.00	46.88	14.89	54.10	16.96	61.31	19.41	72.13	19.05	74.29	19.62	75.73	20.01	78.62	21.15		
46.00	44.54	16.05	51.39	17.39	58.24	19.90	68.52	20.59	70.58	21.21	71.95	21.62	74.69	22.86			
50.00	43.13	16.75	49.77	17.53	56.40	20.06	66.36	21.42	68.35	22.06	69.68	22.49	72.33	23.78			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT058S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-5.00	116.34	30.64	134.24	33.91	152.13	38.81	178.98	40.85	184.35	42.08	187.93	42.89	195.09	45.34		
	0.00	116.34	30.64	134.24	33.91	152.13	38.81	178.98	40.85	184.35	42.08	187.93	42.89	195.09	45.34		
	5.00	116.34	30.64	134.24	33.91	152.13	38.81	178.98	40.85	184.35	42.08	187.93	42.89	195.09	45.34		
	10.00	115.21	30.64	132.93	33.91	150.66	38.81	177.24	40.85	182.56	42.08	186.11	42.89	193.20	45.34		
	15.00	115.21	30.98	132.93	34.28	150.66	39.24	177.24	41.30	182.56	42.54	186.11	43.37	193.20	45.85		
	20.00	118.60	30.64	136.84	33.91	155.09	13.29	182.46	13.29	187.93	13.29	191.58	13.29	198.88	45.34		
	25.00	115.21	31.32	132.93	34.66	150.66	39.67	177.24	41.76	182.56	43.01	186.11	43.85	193.20	46.35		
	30.00	116.34	32.34	134.24	35.79	152.13	40.96	178.98	43.12	184.35	44.41	187.93	45.28	195.09	47.86		
	35.00	112.95	34.04	130.33	37.67	147.70	43.12	173.77	45.39	178.98	46.75	182.46	47.66	189.41	50.38		
	39.00	108.43	35.06	125.11	40.31	141.79	46.14	166.82	47.66	171.82	49.09	175.16	50.04	181.83	52.90		
	41.00	106.17	35.75	122.51	41.85	138.84	47.90	163.34	49.04	168.24	50.51	171.51	51.50	178.04	54.44		
	43.00	103.91	36.10	119.90	43.75	135.89	50.07	159.87	49.96	164.66	51.46	167.86	52.46	174.25	55.46		
46.00	90.36	39.53	104.26	47.17	118.16	53.99	139.01	56.84	143.18	58.54	145.97	59.68	151.53	63.09			
50.00	73.42	41.25	84.71	47.55	96.01	54.43	112.95	59.13	116.34	60.90	118.60	62.08	123.11	65.63			
120%	-5.00	114.16	30.64	131.73	33.91	149.29	38.81	175.64	40.85	180.90	42.08	184.42	42.89	191.44	45.34		
	0.00	114.16	30.64	131.73	33.91	149.29	38.81	175.64	40.85	180.90	42.08	184.42	42.89	191.44	45.34		
	5.00	114.16	30.64	131.73	33.91	149.29	38.81	175.64	40.85	180.90	42.08	184.42	42.89	191.44	45.34		
	10.00	113.05	30.64	130.45	33.91	147.84	38.81	173.93	40.85	179.15	42.08	182.63	42.89	189.58	45.34		
	15.00	113.05	30.98	130.45	34.28	147.84	39.24	173.93	41.30	179.15	42.54	182.63	43.37	189.58	45.85		
	20.00	116.38	30.64	134.28	33.91	152.19	38.81	179.05	40.85	184.42	42.08	188.00	42.89	195.16	45.34		
	25.00	113.05	31.32	130.45	34.66	147.84	39.67	173.93	41.76	179.15	43.01	182.63	43.85	189.58	46.35		
	30.00	114.16	32.34	131.73	35.79	149.29	40.96	175.64	43.12	180.90	44.41	184.42	45.28	191.44	47.86		
	35.00	110.84	34.04	127.89	37.67	144.94	43.12	170.52	45.39	175.64	46.75	179.05	47.66	185.87	50.38		
	39.00	106.40	34.90	122.77	40.12	139.14	45.92	163.70	47.43	168.61	12.06	171.88	20.51	178.43	52.65		
	41.00	104.19	35.23	120.22	41.24	136.25	47.20	160.29	48.33	165.10	49.78	168.30	50.75	174.71	53.65		
	43.00	101.97	35.57	117.66	43.12	133.35	49.35	156.88	49.24	161.58	50.71	164.72	51.70	171.00	54.65		
46.00	88.67	38.96	102.31	46.49	115.95	53.21	136.42	56.01	140.51	57.69	143.24	58.81	148.69	62.17			
50.00	72.04	40.65	83.13	46.87	94.21	53.64	110.84	58.27	114.16	60.02	116.38	61.19	120.81	64.68			
110%	-5.00	111.99	30.49	129.22	33.74	146.45	38.62	172.29	40.65	177.46	41.87	180.90	42.68	187.80	45.12		
	0.00	111.99	30.49	129.22	33.74	146.45	38.62	172.29	40.65	177.46	41.87	180.90	42.68	187.80	45.12		
	5.00	111.99	30.49	129.22	33.74	146.45	38.62	172.29	40.65	177.46	41.87	180.90	42.68	187.80	45.12		
	10.00	110.90	30.49	127.96	33.74	145.02	38.62	170.62	40.65	175.74	41.87	179.15	42.68	185.97	45.12		
	15.00	110.90	30.83	127.96	34.12	145.02	39.05	170.62	41.10	175.74	42.34	179.15	43.16	185.97	45.62		
	20.00	114.16	30.49	131.73	33.74	149.29	38.62	175.64	40.65	180.90	41.87	184.42	42.68	191.44	45.12		
	25.00	110.90	31.17	127.96	34.49	145.02	39.48	170.62	41.55	175.74	42.80	179.15	43.63	185.97	46.13		
	30.00	111.99	32.18	129.22	35.61	146.45	40.76	172.29	42.91	177.46	44.20	180.90	45.05	187.80	47.63		
	35.00	108.73	33.88	125.45	37.49	142.18	42.91	167.27	45.17	172.29	46.52	175.64	47.43	182.33	50.14		
	39.00	104.38	34.89	120.44	40.11	136.49	45.91	160.58	47.43	165.40	48.85	168.61	49.80	175.03	52.64		
	41.00	102.20	35.23	117.93	41.24	133.65	47.20	157.24	48.33	161.95	49.78	165.10	50.75	171.39	53.65		
	43.00	100.03	35.57	115.42	43.11	130.81	49.35	153.89	49.23	158.51	50.71	161.58	51.69	167.74	54.65		
46.00	86.98	38.96	100.36	46.49	113.74	53.21	133.82	56.01	137.83	57.69	140.51	58.81	145.86	62.17			
50.00	70.67	40.65	81.55	46.86	92.42	53.64	108.73	58.27	111.99	60.01	114.16	61.18	118.51	64.68			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT058S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	108.73	30.04	125.45	33.24	142.18	38.05	167.27	40.05	172.29	41.25	175.64	42.05	182.33	44.46		
	0.00	108.73	30.04	125.45	33.24	142.18	38.05	167.27	40.05	172.29	41.25	175.64	42.05	182.33	44.46		
	5.00	108.73	30.04	125.45	33.24	142.18	38.05	167.27	40.05	172.29	41.25	175.64	42.05	182.33	44.46		
	10.00	107.67	30.04	124.24	33.24	140.80	38.05	165.65	40.05	170.62	41.25	173.93	42.05	180.56	44.46		
	15.00	107.67	30.37	124.24	33.61	140.80	38.47	165.65	40.50	170.62	41.71	173.93	42.52	180.56	44.95		
	20.00	110.84	30.04	127.89	33.24	144.94	38.05	170.52	40.05	175.64	41.25	179.05	42.05	185.87	44.46		
	25.00	107.67	30.71	124.24	33.98	140.80	38.89	165.65	40.94	170.62	42.17	173.93	42.99	180.56	45.44		
	30.00	108.73	31.71	125.45	35.09	142.18	40.16	167.27	42.28	172.29	43.54	175.64	44.39	182.33	46.93		
	35.00	105.56	33.38	121.80	36.94	138.04	42.28	162.40	44.50	167.27	45.84	170.52	46.73	177.02	49.40		
	39.00	101.34	34.38	116.93	39.52	132.52	45.23	155.90	46.73	160.58	48.13	163.70	49.06	169.94	51.86		
	41.00	99.23	34.71	114.49	40.63	129.76	46.50	152.66	47.62	157.24	49.04	160.29	50.00	166.40	52.85		
	43.00	97.12	35.04	112.06	42.48	127.00	48.62	149.41	48.51	153.89	49.96	156.88	50.93	162.85	53.84		
46.00	84.45	38.38	97.44	45.80	110.43	52.42	129.92	55.18	133.82	56.84	136.42	57.94	141.61	61.25			
50.00	68.61	40.05	79.17	46.17	89.73	52.84	105.56	57.41	108.73	59.13	110.84	60.28	115.06	63.72			
90%	-5.00	97.85	25.12	112.91	27.59	127.96	31.58	150.54	33.24	155.06	34.24	158.07	34.90	164.09	36.90		
	0.00	97.85	25.12	112.91	27.80	127.96	31.82	150.54	33.24	155.06	34.24	158.07	34.90	164.09	36.90		
	5.00	97.85	25.12	112.91	27.80	127.96	31.82	150.54	33.24	155.06	34.24	158.07	34.90	164.09	36.90		
	10.00	96.90	25.12	111.81	27.80	126.72	31.82	149.08	33.24	153.56	34.24	156.54	34.90	162.50	36.90		
	15.00	96.90	25.40	111.81	28.11	126.72	32.18	149.08	33.61	153.56	34.62	156.54	35.29	162.50	37.31		
	20.00	99.75	25.12	115.10	27.80	130.45	31.82	153.47	33.24	158.07	34.24	161.14	34.90	167.28	36.90		
	25.00	96.90	25.68	111.81	28.42	126.72	32.53	149.08	33.98	153.56	35.00	156.54	35.68	162.50	37.72		
	30.00	97.85	26.52	112.91	29.35	127.96	33.59	150.54	35.09	155.06	36.14	158.07	36.84	164.09	38.95		
	35.00	95.00	27.92	109.62	30.89	124.24	35.36	146.16	36.94	150.54	38.04	153.47	38.78	159.31	41.00		
	39.00	91.20	28.75	105.24	33.06	119.27	37.84	140.31	38.78	144.52	39.95	147.33	40.72	152.94	43.05		
	41.00	89.30	29.03	103.04	33.72	116.78	38.60	137.39	39.52	141.51	40.71	144.26	41.50	149.76	43.87		
	43.00	87.40	29.31	100.85	34.84	114.30	39.88	134.47	40.26	138.50	41.47	141.19	42.27	146.57	44.69		
46.00	81.29	31.32	93.79	36.79	106.30	42.11	125.05	44.14	128.81	45.47	131.31	46.35	136.31	49.00			
50.00	76.92	33.50	88.75	38.62	100.58	44.20	118.33	47.65	121.88	49.08	124.25	50.03	128.98	52.89			
80%	-5.00	86.98	22.20	100.36	23.82	113.74	27.26	133.82	28.44	137.83	29.29	140.51	29.86	145.86	31.56		
	0.00	86.98	22.20	100.36	23.82	113.74	27.26	133.82	28.44	137.83	29.29	140.51	29.86	145.86	31.56		
	5.00	86.98	22.20	100.36	23.82	113.74	27.26	133.82	28.44	137.83	29.29	140.51	29.86	145.86	31.56		
	10.00	86.14	22.20	99.39	23.82	112.64	27.26	132.52	28.44	136.49	29.29	139.14	29.86	144.45	31.56		
	15.00	86.14	22.44	99.39	24.08	112.64	27.56	132.52	28.75	136.49	29.61	139.14	30.19	144.45	31.91		
	20.00	88.67	22.20	102.31	23.82	115.95	27.26	136.42	28.44	140.51	29.29	143.24	29.86	148.69	31.56		
	25.00	86.14	22.69	99.39	24.34	112.64	27.86	132.52	29.07	136.49	29.94	139.14	30.52	144.45	32.26		
	30.00	89.16	23.43	102.87	25.14	116.59	28.77	137.16	30.02	141.28	30.92	144.02	31.52	149.51	33.32		
	35.00	86.56	24.66	99.88	26.46	113.19	30.29	133.17	31.60	137.16	32.54	139.83	33.17	145.15	35.07		
	39.00	83.10	25.40	95.88	28.31	108.67	32.41	127.84	33.17	131.68	34.17	134.23	34.83	139.35	36.82		
	41.00	81.37	25.65	93.88	29.11	106.40	33.32	125.18	33.81	128.93	34.82	131.44	35.50	136.44	37.53		
	43.00	79.63	25.89	91.89	30.43	104.14	34.83	122.51	34.44	126.19	35.47	128.64	36.16	133.54	38.23		
46.00	75.16	28.36	86.72	32.81	98.28	37.56	115.63	39.18	119.10	40.35	121.41	41.14	126.04	43.49			
50.00	63.81	29.59	73.63	33.08	83.45	37.86	98.17	40.76	101.12	41.98	103.08	42.80	107.01	45.24			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT058S73HQSS										Cooling Capacity			
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	78.28	18.99	90.33	20.16	102.37	23.07	120.44	24.29	124.05	25.02	126.46	25.50	131.28	26.96
	0.00	78.28	18.99	90.33	20.16	102.37	23.07	120.44	24.29	124.05	25.02	126.46	25.50	131.28	26.96
	5.00	78.28	18.99	90.33	20.16	102.37	23.07	120.44	24.29	124.05	25.02	126.46	25.50	131.28	26.96
	10.00	77.52	18.99	89.45	20.16	101.38	23.07	119.27	24.29	122.84	25.02	125.23	25.50	130.00	26.96
	15.00	77.52	19.20	89.45	20.38	101.38	23.33	119.27	24.56	122.84	25.29	125.23	25.79	130.00	27.26
	20.00	79.80	18.99	92.08	20.16	104.36	23.07	122.77	24.29	126.46	25.02	128.91	25.50	133.82	26.96
	25.00	77.52	19.41	89.45	20.61	101.38	23.59	119.27	24.83	122.84	25.57	125.23	26.07	130.00	27.56
	30.00	78.28	20.04	90.33	21.28	102.37	24.35	120.44	25.64	124.05	26.41	126.46	26.92	131.28	28.46
	35.00	76.00	21.10	87.70	22.40	99.39	25.64	116.93	26.99	120.44	27.80	122.77	28.34	127.45	29.95
	39.00	72.96	21.73	84.19	23.97	95.41	27.43	112.25	28.34	115.62	29.19	117.86	29.75	122.35	31.45
	41.00	71.44	21.27	82.43	24.64	93.43	28.20	109.91	28.88	113.21	29.74	115.41	30.32	119.80	32.05
	43.00	69.92	22.15	80.68	25.76	91.44	29.48	107.57	29.41	110.80	30.30	112.95	30.89	117.26	32.65
46.00	65.87	23.74	76.00	27.15	86.14	31.79	101.34	32.16	104.38	33.13	106.40	33.77	110.46	35.70	
50.00	53.52	23.86	61.75	27.06	69.99	32.05	82.34	33.27	84.81	34.27	86.45	34.94	89.75	36.93	
60%	-5.00	67.41	15.69	77.78	16.62	88.15	19.02	103.71	19.75	106.82	20.35	108.89	20.74	113.04	21.93
	0.00	67.41	15.69	77.78	16.62	88.15	19.02	103.71	19.75	106.82	20.35	108.89	20.74	113.04	21.93
	5.00	67.41	15.69	77.78	16.62	88.15	19.02	103.71	19.75	106.82	20.35	108.89	20.74	113.04	21.93
	10.00	66.76	15.69	77.03	16.62	87.30	19.02	102.70	19.75	105.78	20.35	107.84	20.74	111.94	21.93
	15.00	66.76	15.87	77.03	16.81	87.30	19.24	102.70	19.97	105.78	20.57	107.84	20.97	111.94	22.17
	20.00	68.72	15.69	79.29	16.62	89.86	19.02	105.72	19.75	108.89	20.35	111.01	20.74	115.24	21.93
	25.00	66.76	16.04	77.03	16.99	87.30	19.45	102.70	20.19	105.78	20.80	107.84	21.20	111.94	22.41
	30.00	67.41	16.14	77.78	17.07	88.15	19.54	103.71	20.58	106.82	21.20	108.89	21.61	113.04	22.84
	35.00	65.45	16.99	75.52	17.97	85.58	20.56	100.69	21.66	103.71	22.31	105.72	22.75	109.75	24.04
	39.00	62.83	17.49	72.50	19.22	82.16	22.00	96.66	22.75	99.56	23.43	101.49	23.88	105.36	25.25
	41.00	61.52	17.44	70.99	19.76	80.45	22.62	94.65	23.18	97.49	23.87	99.38	24.34	103.16	25.73
	43.00	60.21	17.61	69.47	20.66	78.74	23.65	92.63	23.61	95.41	24.32	97.26	24.79	100.97	26.21
46.00	58.27	19.53	67.23	22.28	76.20	25.50	89.64	26.86	92.33	27.67	94.13	28.20	97.71	29.82	
50.00	47.34	20.12	54.63	22.46	61.91	25.70	72.84	27.94	75.02	28.78	76.48	29.34	79.39	31.02	
50%	-5.00	54.36	12.50	62.73	13.40	71.09	15.34	83.64	16.02	86.15	16.50	87.82	16.82	91.16	17.78
	0.00	54.36	12.50	62.73	13.40	71.09	15.34	83.64	16.02	86.15	16.50	87.82	16.82	91.16	17.78
	5.00	54.36	12.50	62.73	13.40	71.09	15.34	83.64	16.02	86.15	16.50	87.82	16.82	91.16	17.78
	10.00	53.84	12.50	62.12	13.40	70.40	15.34	82.82	16.02	85.31	16.50	86.97	16.82	90.28	17.78
	15.00	53.84	12.64	62.12	13.55	70.40	15.51	82.82	16.20	85.31	16.68	86.97	17.01	90.28	17.98
	20.00	55.42	12.50	63.95	13.40	72.47	15.34	85.26	16.02	87.82	16.50	89.52	16.82	92.93	17.78
	25.00	53.84	12.78	62.12	13.70	70.40	15.68	82.82	16.38	85.31	16.87	86.97	17.19	90.28	18.18
	30.00	54.36	13.19	62.73	14.15	71.09	16.19	83.64	16.91	86.15	17.42	87.82	17.76	91.16	18.77
	35.00	52.78	13.89	60.90	14.89	69.02	17.05	81.20	17.80	83.64	18.33	85.26	18.69	88.51	19.76
	39.00	50.67	14.30	58.46	15.94	66.26	18.24	77.95	18.69	80.29	19.25	81.85	19.62	84.97	20.75
	41.00	49.61	14.44	57.25	16.38	64.88	18.75	76.33	19.05	78.62	19.62	80.14	20.00	83.20	21.14
	43.00	48.56	14.58	56.03	17.13	63.50	19.60	74.70	19.40	76.95	19.98	78.44	20.37	81.43	21.54
46.00	46.13	15.45	53.23	17.55	60.32	20.09	70.97	20.97	73.10	21.60	74.52	22.02	77.36	23.27	
50.00	44.67	16.12	51.55	17.69	58.42	20.25	68.73	21.81	70.79	22.47	72.16	22.90	74.91	24.21	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT060S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	120.35	31.19	138.86	34.52	157.38	39.51	185.15	41.59	190.71	42.83	194.41	43.66	201.82	46.16
	0.00	120.35	31.19	138.86	34.52	157.38	39.51	185.15	41.59	190.71	42.83	194.41	43.66	201.82	46.16
	5.00	120.35	31.19	138.86	34.52	157.38	39.51	185.15	41.59	190.71	42.83	194.41	43.66	201.82	46.16
	10.00	119.18	31.19	137.52	34.52	155.85	39.51	183.36	41.59	188.86	42.83	192.52	43.66	199.86	46.16
	15.00	119.18	31.54	137.52	34.90	155.85	39.95	183.36	42.05	188.86	43.31	192.52	44.15	199.86	46.67
	20.00	122.69	31.19	141.56	34.52	160.44	13.29	188.75	13.29	194.41	13.29	198.19	13.29	205.74	46.16
	25.00	119.18	31.88	137.52	35.28	155.85	40.38	183.36	42.51	188.86	43.78	192.52	44.63	199.86	47.19
	30.00	120.35	32.92	138.86	36.43	157.38	41.70	185.15	43.90	190.71	45.21	194.41	46.09	201.82	48.72
	35.00	116.84	34.65	134.82	38.35	152.80	43.90	179.76	46.21	185.15	47.59	188.75	48.52	195.94	51.29
	39.00	112.17	35.69	129.43	41.04	146.68	46.97	172.57	48.52	177.75	49.97	181.20	50.94	188.10	53.85
	41.00	109.83	36.39	126.73	42.60	143.63	48.76	168.97	49.93	174.04	51.42	177.42	52.42	184.18	55.42
	43.00	107.50	36.74	124.03	44.54	140.57	50.97	165.38	50.86	170.34	52.38	173.65	53.40	180.26	56.45
46.00	93.48	40.24	107.86	48.02	122.24	54.96	143.81	57.86	148.12	59.59	151.00	60.75	156.75	64.22	
50.00	75.95	41.99	87.63	48.41	99.32	55.41	116.84	60.19	120.35	62.00	122.69	63.20	127.36	66.81	
120%	-5.00	118.10	31.19	136.27	34.52	154.44	39.51	181.69	41.59	187.14	42.83	190.78	43.66	198.04	46.16
	0.00	118.10	31.19	136.27	34.52	154.44	39.51	181.69	41.59	187.14	42.83	190.78	43.66	198.04	46.16
	5.00	118.10	31.19	136.27	34.52	154.44	39.51	181.69	41.59	187.14	42.83	190.78	43.66	198.04	46.16
	10.00	116.95	31.19	134.95	34.52	152.94	39.51	179.93	41.59	185.33	42.83	188.92	43.66	196.12	46.16
	15.00	116.95	31.54	134.95	34.90	152.94	39.95	179.93	42.05	185.33	43.31	188.92	44.15	196.12	46.67
	20.00	120.39	31.19	138.92	34.52	157.44	39.51	185.22	41.59	190.78	42.83	194.48	43.66	201.89	46.16
	25.00	116.95	31.88	134.95	35.28	152.94	40.38	179.93	42.51	185.33	43.78	188.92	44.63	196.12	47.19
	30.00	118.10	32.92	136.27	36.43	154.44	41.70	181.69	43.90	187.14	45.21	190.78	46.09	198.04	48.72
	35.00	114.66	34.65	132.30	38.35	149.94	43.90	176.40	46.21	181.69	47.59	185.22	48.52	192.28	51.29
	39.00	110.07	35.52	127.01	40.84	143.94	46.74	169.34	48.28	174.42	49.97	181.20	50.94	188.10	53.85
	41.00	107.78	35.87	124.36	41.98	140.94	48.05	165.82	49.20	170.79	50.68	174.11	51.66	180.74	54.62
	43.00	105.49	36.21	121.72	43.89	137.94	50.24	162.29	50.12	167.16	51.63	170.40	52.63	176.89	55.64
46.00	91.73	39.66	105.84	47.33	119.95	54.17	141.12	57.02	145.35	58.73	148.18	59.87	153.82	63.29	
50.00	74.53	41.39	86.00	47.71	97.46	54.61	114.66	59.32	118.10	61.10	120.39	62.29	124.98	65.84	
110%	-5.00	115.85	31.04	133.67	34.35	151.50	39.31	178.23	41.38	183.58	42.62	187.14	43.45	194.27	45.93
	0.00	115.85	31.04	133.67	34.35	151.50	39.31	178.23	41.38	183.58	42.62	187.14	43.45	194.27	45.93
	5.00	115.85	31.04	133.67	34.35	151.50	39.31	178.23	41.38	183.58	42.62	187.14	43.45	194.27	45.93
	10.00	114.73	31.04	132.38	34.35	150.03	39.31	176.50	41.38	181.80	42.62	185.33	43.45	192.39	45.93
	15.00	114.73	31.38	132.38	34.73	150.03	39.75	176.50	41.84	181.80	43.10	185.33	43.93	192.39	46.44
	20.00	118.10	31.04	136.27	34.35	154.44	39.31	181.69	41.38	187.14	42.62	190.78	43.45	198.04	45.93
	25.00	114.73	31.73	132.38	35.11	150.03	40.19	176.50	42.30	181.80	43.57	185.33	44.42	192.39	46.95
	30.00	115.85	32.76	133.67	36.25	151.50	41.50	178.23	43.68	183.58	44.99	187.14	45.86	194.27	48.49
	35.00	112.48	34.48	129.78	38.16	147.08	43.68	173.04	45.98	178.23	47.36	181.69	48.28	188.61	51.04
	39.00	107.98	35.52	124.59	40.83	141.20	46.74	166.12	48.28	171.10	49.73	174.42	50.69	181.07	53.59
	41.00	105.73	35.86	121.99	41.98	138.26	48.05	162.66	49.20	167.54	50.67	170.79	51.66	177.30	54.61
	43.00	103.48	36.21	119.40	43.89	135.32	50.23	159.20	50.12	163.97	51.62	167.16	52.62	173.52	55.63
46.00	89.98	39.66	103.82	47.32	117.67	54.16	138.43	57.01	142.58	58.73	145.35	59.87	150.89	63.29	
50.00	73.11	41.38	84.36	47.70	95.60	54.60	112.48	59.31	115.85	61.09	118.10	62.28	122.60	65.84	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT060S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	112.48	30.58	129.78	33.84	147.08	38.73	173.04	40.77	178.23	41.99	181.69	42.81	188.61	45.25		
	0.00	112.48	30.58	129.78	33.84	147.08	38.73	173.04	40.77	178.23	41.99	181.69	42.81	188.61	45.25		
	5.00	112.48	30.58	129.78	33.84	147.08	38.73	173.04	40.77	178.23	41.99	181.69	42.81	188.61	45.25		
	10.00	111.38	30.58	128.52	33.84	145.66	38.73	171.36	40.77	176.50	41.99	179.93	42.81	186.78	45.25		
	15.00	111.38	30.92	128.52	34.22	145.66	39.16	171.36	41.22	176.50	42.46	179.93	43.28	186.78	45.76		
	20.00	114.66	30.58	132.30	33.84	149.94	38.73	176.40	40.77	181.69	41.99	185.22	42.81	192.28	45.25		
	25.00	111.38	31.26	128.52	34.59	145.66	39.59	171.36	41.68	176.50	42.93	179.93	43.76	186.78	46.26		
	30.00	112.48	32.28	129.78	35.72	147.08	40.88	173.04	43.04	178.23	44.33	181.69	45.19	188.61	47.77		
	35.00	109.20	33.98	126.00	37.60	142.80	43.04	168.00	45.30	173.04	46.66	176.40	47.57	183.12	50.28		
	39.00	104.83	34.99	120.96	40.23	137.09	46.05	161.28	47.57	166.12	48.99	169.34	49.94	175.80	52.80		
	41.00	102.65	35.33	118.44	41.36	134.23	47.34	157.92	48.47	162.66	49.93	165.82	50.89	172.13	53.80		
	43.00	100.46	35.67	115.92	43.24	131.38	49.49	154.56	49.38	159.20	50.86	162.29	51.85	168.47	54.81		
46.00	87.36	39.07	100.80	46.62	114.24	53.36	134.40	56.17	138.43	57.86	141.12	58.98	146.50	62.35			
50.00	70.98	40.77	81.90	47.00	92.82	53.79	109.20	58.44	112.48	60.19	114.66	61.36	119.03	64.87			
90%	-5.00	101.23	25.38	116.80	28.09	132.38	32.15	155.74	33.84	160.41	34.85	163.52	35.53	169.75	37.56		
	0.00	101.23	25.38	116.80	28.09	132.38	32.15	155.74	33.84	160.41	34.85	163.52	35.53	169.75	37.56		
	5.00	101.23	25.38	116.80	28.09	132.38	32.15	155.74	33.84	160.41	34.85	163.52	35.53	169.75	37.56		
	10.00	100.25	25.38	115.67	28.09	131.09	32.15	154.22	33.84	158.85	34.85	161.94	35.53	168.10	37.56		
	15.00	100.25	25.66	115.67	28.40	131.09	32.50	154.22	34.22	158.85	35.24	161.94	35.93	168.10	37.98		
	20.00	103.19	25.38	119.07	28.09	134.95	32.15	158.76	33.84	163.52	34.85	166.70	35.53	173.05	37.56		
	25.00	100.25	25.94	115.67	28.71	131.09	32.86	154.22	34.59	158.85	35.63	161.94	36.32	168.10	38.40		
	30.00	101.23	26.79	116.80	29.65	132.38	33.93	155.74	35.72	160.41	36.79	163.52	37.51	169.75	39.65		
	35.00	98.28	28.20	113.40	31.21	128.52	35.72	151.20	37.60	155.74	38.73	158.76	39.48	164.81	41.73		
	39.00	94.35	29.05	108.86	33.39	123.38	38.22	145.15	39.48	149.51	40.66	152.41	41.45	158.22	43.82		
	41.00	92.38	29.33	106.60	34.33	120.81	39.29	142.13	40.23	146.39	41.44	149.23	42.24	154.92	44.66		
	43.00	90.42	29.61	104.33	35.89	118.24	41.08	139.10	40.98	143.28	42.21	146.06	43.03	151.62	45.49		
46.00	84.09	31.26	97.03	37.30	109.96	42.69	129.37	44.94	133.25	46.29	135.84	47.18	141.01	49.88			
50.00	79.57	33.84	91.81	39.01	104.05	44.65	122.41	48.50	126.08	49.96	128.53	50.93	133.43	53.84			
80%	-5.00	89.98	21.71	103.82	24.03	117.67	27.50	138.43	28.95	142.58	29.82	145.35	30.39	150.89	32.13		
	0.00	89.98	21.71	103.82	24.03	117.67	27.50	138.43	28.95	142.58	29.82	145.35	30.39	150.89	32.13		
	5.00	89.98	21.71	103.82	24.03	117.67	27.50	138.43	28.95	142.58	29.82	145.35	30.39	150.89	32.13		
	10.00	89.11	21.71	102.82	24.03	116.52	27.50	137.09	28.95	141.20	29.82	143.94	30.39	149.43	32.13		
	15.00	89.11	21.95	102.82	24.29	116.52	27.80	137.09	29.27	141.20	30.15	143.94	30.73	149.43	32.49		
	20.00	91.73	21.71	105.84	24.03	119.95	27.50	141.12	28.95	145.35	29.82	148.18	30.39	153.82	32.13		
	25.00	89.11	22.19	102.82	24.56	116.52	28.11	137.09	29.59	141.20	30.48	143.94	31.07	149.43	32.84		
	30.00	92.23	22.92	106.42	25.36	120.61	29.03	141.89	30.55	146.15	31.47	148.99	32.08	154.66	33.92		
	35.00	89.54	24.12	103.32	26.70	117.10	30.55	137.76	32.16	141.89	33.13	144.65	33.77	150.16	35.70		
	39.00	85.96	24.85	99.19	28.56	112.41	32.69	132.25	33.77	136.22	34.78	138.86	35.46	144.15	37.49		
	41.00	84.17	25.09	97.12	29.36	110.07	33.61	129.49	34.41	133.38	35.45	135.97	36.14	141.15	38.20		
	43.00	82.38	25.33	95.05	30.70	107.73	35.14	126.74	35.06	130.54	36.11	133.08	36.81	138.15	38.91		
46.00	77.75	27.74	89.71	33.10	101.67	37.89	119.62	39.88	123.20	41.08	125.60	41.88	130.38	44.27			
50.00	66.01	28.95	76.17	33.37	86.32	38.19	101.56	41.49	104.60	42.73	106.63	43.56	110.70	46.05			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT060S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	80.98	18.35	93.44	20.30	105.90	23.24	124.59	24.46	128.33	25.20	130.82	25.69	135.80	27.15		
	0.00	80.98	18.35	93.44	20.30	105.90	23.24	124.59	24.46	128.33	25.20	130.82	25.69	135.80	27.15		
	5.00	80.98	18.35	93.44	20.30	105.90	23.24	124.59	24.46	128.33	25.20	130.82	25.69	135.80	27.15		
	10.00	80.20	18.35	92.53	20.30	104.87	23.24	123.38	24.46	127.08	25.20	129.55	25.69	134.48	27.15		
	15.00	80.20	18.55	92.53	20.53	104.87	23.50	123.38	24.73	127.08	25.48	129.55	25.97	134.48	27.45		
	20.00	82.56	18.35	95.26	20.30	107.96	23.24	127.01	24.46	130.82	25.20	133.36	25.69	138.44	27.15		
	25.00	80.20	18.75	92.53	20.75	104.87	23.76	123.38	25.01	127.08	25.76	129.55	26.26	134.48	27.76		
	30.00	80.98	19.37	93.44	21.43	105.90	24.53	124.59	25.82	128.33	26.60	130.82	27.11	135.80	28.66		
	35.00	78.62	20.39	90.72	22.56	102.82	25.82	120.96	27.18	124.59	28.00	127.01	28.54	131.85	30.17		
	39.00	75.48	21.00	87.09	24.14	98.70	27.63	116.12	28.54	119.61	29.40	121.93	29.97	126.57	31.68		
	41.00	73.91	21.20	85.28	24.82	96.65	28.40	113.70	29.08	117.11	29.96	119.39	30.54	123.94	32.28		
	43.00	72.33	21.40	83.46	25.94	94.59	29.69	111.28	29.63	114.62	30.51	116.85	31.11	121.30	32.89		
46.00	68.14	22.66	78.62	27.04	89.11	32.02	104.83	32.02	107.98	32.98	110.07	33.62	114.27	35.54			
50.00	55.36	23.24	63.88	26.79	72.40	32.28	85.18	33.31	87.73	34.31	89.43	34.97	92.84	36.97			
60%	-5.00	69.74	15.29	80.46	16.92	91.19	19.37	107.28	19.98	110.50	20.58	112.65	20.98	116.94	22.17		
	0.00	69.74	15.29	80.46	16.92	91.19	19.37	107.28	19.98	110.50	20.58	112.65	20.98	116.94	22.17		
	5.00	69.74	15.29	80.46	16.92	91.19	19.37	107.28	19.98	110.50	20.58	112.65	20.98	116.94	22.17		
	10.00	69.06	15.29	79.68	16.92	90.31	19.37	106.24	19.98	109.43	20.58	111.56	20.98	115.81	22.17		
	15.00	69.06	15.46	79.68	17.11	90.31	19.58	106.24	20.20	109.43	20.81	111.56	21.21	115.81	22.42		
	20.00	71.09	15.29	82.03	16.92	92.96	19.37	109.37	19.98	112.65	20.58	114.84	20.98	119.21	22.17		
	25.00	69.06	15.63	79.68	17.30	90.31	19.80	106.24	20.42	109.43	21.03	111.56	21.44	115.81	22.67		
	30.00	69.74	15.49	80.46	17.15	91.19	19.62	107.28	21.09	110.50	21.72	112.65	22.14	116.94	23.41		
	35.00	67.70	16.31	78.12	18.05	88.54	20.66	104.16	22.20	107.28	22.86	109.37	23.31	113.53	24.64		
	39.00	65.00	16.80	75.00	19.31	84.99	22.10	99.99	23.31	102.99	24.01	104.99	24.47	108.99	25.87		
	41.00	63.64	16.96	73.43	19.85	83.22	22.72	97.91	23.75	100.85	24.46	102.81	24.94	106.72	26.36		
	43.00	62.29	17.12	71.87	20.75	81.45	23.76	95.83	24.19	98.70	24.92	100.62	25.40	104.45	26.86		
46.00	60.28	18.75	69.55	22.38	78.83	25.61	92.74	27.52	95.52	28.35	97.37	28.90	101.08	30.55			
50.00	48.98	19.57	56.51	22.56	64.05	25.82	75.35	28.63	77.61	29.49	79.12	30.07	82.13	31.78			
50%	-5.00	56.24	12.23	64.89	13.54	73.54	15.49	86.52	16.31	89.12	16.80	90.85	17.12	94.31	18.10		
	0.00	56.24	12.23	64.89	13.54	73.54	15.49	86.52	16.31	89.12	16.80	90.85	17.12	94.31	18.10		
	5.00	56.24	12.23	64.89	13.54	73.54	15.49	86.52	16.31	89.12	16.80	90.85	17.12	94.31	18.10		
	10.00	55.69	12.23	64.26	13.54	72.83	15.49	85.68	16.31	88.25	16.80	89.96	17.12	93.39	18.10		
	15.00	55.69	12.37	64.26	13.69	72.83	15.66	85.68	16.49	88.25	16.98	89.96	17.31	93.39	18.30		
	20.00	57.33	12.23	66.15	13.54	74.97	15.49	88.20	16.31	90.85	16.80	92.61	17.12	96.14	18.10		
	25.00	55.69	12.50	64.26	13.84	72.83	15.84	85.68	16.67	88.25	17.17	89.96	17.50	93.39	18.50		
	30.00	56.24	12.91	64.89	14.29	73.54	16.35	86.52	17.21	89.12	17.73	90.85	18.07	94.31	19.11		
	35.00	54.60	13.59	63.00	15.04	71.40	17.21	84.00	18.12	86.52	18.66	88.20	19.03	91.56	20.11		
	39.00	52.42	14.00	60.48	16.09	68.54	18.42	80.64	19.03	83.06	19.60	84.67	19.98	87.90	21.12		
	41.00	51.32	14.13	59.22	16.54	67.12	18.94	78.96	19.39	81.33	19.97	82.91	20.36	86.07	21.52		
	43.00	50.23	14.27	57.96	17.30	65.69	19.80	77.28	19.75	79.60	20.34	81.14	20.74	84.24	21.92		
46.00	47.72	14.85	55.06	17.72	62.40	20.28	73.42	21.35	75.62	21.99	77.09	22.41	80.02	23.69			
50.00	46.21	15.49	53.32	17.86	60.43	20.44	71.10	22.21	73.23	22.87	74.65	23.32	77.50	24.65			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT062S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-5.00	124.29	32.15	143.41	35.58	162.53	40.73	191.21	42.87	196.95	44.16	200.78	45.01	208.42	47.59		
	0.00	124.29	32.15	143.41	35.58	162.53	40.73	191.21	42.87	196.95	44.16	200.78	45.01	208.42	47.59		
	5.00	124.29	32.15	143.41	35.58	162.53	40.73	191.21	42.87	196.95	44.16	200.78	45.01	208.42	47.59		
	10.00	123.08	32.15	142.02	35.58	160.95	40.73	189.36	42.87	195.04	44.16	198.83	45.01	206.40	47.59		
	15.00	123.08	32.51	142.02	35.98	160.95	41.18	189.36	43.35	195.04	44.65	198.83	45.51	206.40	48.12		
	20.00	126.70	32.15	146.20	35.58	165.69	13.29	194.93	13.29	200.78	13.29	204.67	13.29	212.47	47.59		
	25.00	123.08	32.87	142.02	36.37	160.95	41.63	189.36	43.82	195.04	45.14	198.83	46.01	206.40	48.64		
	30.00	124.29	33.94	143.41	37.56	162.53	42.99	191.21	45.25	196.95	46.61	200.78	47.51	208.42	50.23		
	35.00	120.67	35.73	139.23	39.54	157.80	45.25	185.65	47.63	191.21	49.06	194.93	50.02	202.35	52.87		
	39.00	115.84	36.80	133.66	42.30	151.49	48.42	178.22	50.02	183.57	51.52	187.13	52.52	194.26	55.52		
	41.00	113.43	37.52	130.88	43.92	148.33	50.27	174.51	51.47	179.74	53.01	183.23	54.04	190.21	57.13		
	43.00	111.02	37.88	128.10	45.91	145.17	52.55	170.79	52.43	175.92	54.00	179.33	55.05	186.16	58.20		
	46.00	96.54	41.49	111.39	49.51	126.24	56.66	148.52	59.65	152.97	61.43	155.94	62.63	161.88	66.21		
50.00	78.44	43.29	90.50	49.90	102.57	57.12	120.67	62.05	124.29	63.91	126.70	65.15	131.53	68.88			
120%	-5.00	121.97	32.15	140.73	35.58	159.49	40.73	187.64	42.87	193.27	44.16	197.02	45.01	204.53	47.59		
	0.00	121.97	32.15	140.73	35.58	159.49	40.73	187.64	42.87	193.27	44.16	197.02	45.01	204.53	47.59		
	5.00	121.97	32.15	140.73	35.58	159.49	40.73	187.64	42.87	193.27	44.16	197.02	45.01	204.53	47.59		
	10.00	120.78	32.15	139.36	35.58	157.95	40.73	185.82	42.87	191.39	44.16	195.11	45.01	202.54	47.59		
	15.00	120.78	32.51	139.36	35.98	157.95	41.18	185.82	43.35	191.39	44.65	195.11	45.51	202.54	48.12		
	20.00	124.33	32.15	143.46	35.58	162.59	40.73	191.28	42.87	197.02	44.16	200.85	45.01	208.50	47.59		
	25.00	120.78	32.87	139.36	36.37	157.95	41.63	185.82	43.82	191.39	45.14	195.11	46.01	202.54	48.64		
	30.00	121.97	33.94	140.73	37.56	159.49	42.99	187.64	45.25	193.27	46.61	197.02	47.51	204.53	50.23		
	35.00	118.41	35.73	136.63	39.54	154.85	45.25	182.18	47.63	187.64	49.06	191.28	50.02	198.57	52.87		
	39.00	113.68	36.62	131.17	42.10	148.65	48.19	174.89	49.78	180.13	51.52	183.63	52.52	194.26	55.52		
	41.00	111.31	36.98	128.43	43.28	145.56	49.54	171.24	50.72	176.38	52.25	179.81	53.26	186.66	56.30		
	43.00	108.94	37.33	125.70	45.25	142.46	51.79	167.60	51.67	172.63	53.22	175.98	54.26	182.69	57.36		
	46.00	94.73	40.89	109.31	48.79	123.88	55.84	145.74	58.78	150.11	60.55	153.03	61.72	158.86	65.25		
50.00	76.97	42.66	88.81	49.18	100.65	56.29	118.41	61.15	121.97	62.99	124.33	64.21	129.07	67.88			
110%	-5.00	119.64	32.00	138.05	35.41	156.46	40.53	184.07	42.66	189.59	43.94	193.27	44.79	200.63	47.35		
	0.00	119.64	32.00	138.05	35.41	156.46	40.53	184.07	42.66	189.59	43.94	193.27	44.79	200.63	47.35		
	5.00	119.64	32.00	138.05	35.41	156.46	40.53	184.07	42.66	189.59	43.94	193.27	44.79	200.63	47.35		
	10.00	118.48	32.00	136.71	35.41	154.94	40.53	182.28	42.66	187.75	43.94	191.39	44.79	198.68	47.35		
	15.00	118.48	32.35	136.71	35.80	154.94	40.98	182.28	43.13	187.75	44.43	191.39	45.29	198.68	47.88		
	20.00	121.97	32.00	140.73	35.41	159.49	40.53	187.64	42.66	193.27	43.94	197.02	44.79	204.53	47.35		
	25.00	118.48	32.71	136.71	36.20	154.94	41.43	182.28	43.61	187.75	44.92	191.39	45.79	198.68	48.41		
	30.00	119.64	33.77	138.05	37.38	156.46	42.78	184.07	45.03	189.59	46.38	193.27	47.28	200.63	49.98		
	35.00	116.16	35.55	134.03	39.34	151.90	45.03	178.71	47.40	184.07	48.82	187.64	49.77	194.79	52.61		
	39.00	111.51	36.62	128.67	42.10	145.82	48.18	171.56	49.77	176.70	51.26	180.13	52.26	187.00	55.25		
	41.00	109.19	36.97	125.99	43.28	142.79	49.53	167.98	50.72	173.02	52.24	176.38	53.25	183.10	56.30		
	43.00	106.87	37.33	123.31	45.24	139.75	51.79	164.41	51.67	169.34	53.22	172.63	54.25	179.21	57.35		
	46.00	92.93	40.88	107.22	48.78	121.52	55.84	142.96	58.78	147.25	60.54	150.11	61.72	155.83	65.24		
50.00	75.50	42.66	87.12	49.18	98.73	56.29	116.16	61.15	119.64	62.98	121.97	64.20	126.61	67.87			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT062S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	116.16	31.52	134.03	34.88	151.90	39.93	178.71	42.03	184.07	43.29	187.64	44.13	194.79	46.65		
	0.00	116.16	31.52	134.03	34.88	151.90	39.93	178.71	42.03	184.07	43.29	187.64	44.13	194.79	46.65		
	5.00	116.16	31.52	134.03	34.88	151.90	39.93	178.71	42.03	184.07	43.29	187.64	44.13	194.79	46.65		
	10.00	115.03	31.52	132.73	34.88	150.42	39.93	176.97	42.03	182.28	43.29	185.82	44.13	192.90	46.65		
	15.00	115.03	31.87	132.73	35.27	150.42	40.37	176.97	42.50	182.28	43.77	185.82	44.62	192.90	47.17		
	20.00	118.41	31.52	136.63	34.88	154.85	39.93	182.18	42.03	187.64	43.29	191.28	44.13	198.57	46.65		
	25.00	115.03	32.22	132.73	35.66	150.42	40.82	176.97	42.96	182.28	44.25	185.82	45.11	192.90	47.69		
	30.00	116.16	33.27	134.03	36.82	151.90	42.15	178.71	44.37	184.07	45.70	187.64	46.58	194.79	49.25		
	35.00	112.78	35.03	130.13	38.76	147.48	44.37	173.50	46.70	178.71	48.10	182.18	49.04	189.12	51.84		
	39.00	108.26	36.08	124.92	41.47	141.58	47.47	166.56	49.04	171.56	50.51	174.89	51.49	181.55	54.43		
	41.00	106.01	36.43	122.32	42.64	138.63	48.80	163.09	49.97	167.98	51.47	171.24	52.47	177.77	55.47		
	43.00	103.75	36.78	119.72	44.58	135.68	51.02	159.62	50.90	164.41	52.43	167.60	53.45	173.99	56.50		
46.00	90.22	40.28	104.10	48.06	117.98	55.01	138.80	57.91	142.96	59.65	145.74	60.80	151.29	64.28			
50.00	73.30	42.03	84.58	48.45	95.86	55.46	112.78	60.24	116.16	62.05	118.41	63.26	122.92	66.87			
90%	-5.00	104.54	26.16	120.63	28.95	136.71	33.14	160.83	34.88	165.66	35.93	168.88	36.63	175.31	38.72		
	0.00	104.54	26.16	120.63	28.95	136.71	33.14	160.83	34.88	165.66	35.93	168.88	36.63	175.31	38.72		
	5.00	104.54	26.16	120.63	28.95	136.71	33.14	160.83	34.88	165.66	35.93	168.88	36.63	175.31	38.72		
	10.00	103.53	26.16	119.45	28.95	135.38	33.14	159.27	34.88	164.05	35.93	167.24	36.63	173.61	38.72		
	15.00	103.53	26.45	119.45	29.28	135.38	33.51	159.27	35.27	164.05	36.33	167.24	37.04	173.61	39.15		
	20.00	106.57	26.16	122.97	28.95	139.36	33.14	163.96	34.88	168.88	35.93	172.16	36.63	178.71	38.72		
	25.00	103.53	26.75	119.45	29.60	135.38	33.88	159.27	35.66	164.05	36.73	167.24	37.44	173.61	39.58		
	30.00	104.54	27.62	120.63	30.56	136.71	34.98	160.83	36.82	165.66	37.93	168.88	38.66	175.31	40.87		
	35.00	101.50	29.07	117.11	32.17	132.73	36.82	156.15	38.76	160.83	39.92	163.96	40.70	170.20	43.02		
	39.00	97.44	29.94	112.43	34.42	127.42	39.40	149.90	40.70	154.40	41.92	157.40	42.73	163.40	45.18		
	41.00	95.41	30.23	110.09	35.39	124.76	40.51	146.78	41.47	151.18	42.72	154.12	43.55	159.99	46.04		
	43.00	93.38	30.52	107.74	37.00	122.11	42.35	143.66	42.25	147.97	43.52	150.84	44.36	156.59	46.90		
46.00	86.84	32.22	100.20	38.45	113.56	44.01	133.60	46.33	137.61	47.72	140.28	48.64	145.63	51.42			
50.00	82.17	34.88	94.81	40.21	107.46	46.03	126.42	50.00	130.21	51.50	132.74	52.50	137.80	55.50			
80%	-5.00	92.93	22.38	107.22	24.77	121.52	28.35	142.96	29.84	147.25	30.74	150.11	31.33	155.83	33.12		
	0.00	92.93	22.38	107.22	24.77	121.52	28.35	142.96	29.84	147.25	30.74	150.11	31.33	155.83	33.12		
	5.00	92.93	22.38	107.22	24.77	121.52	28.35	142.96	29.84	147.25	30.74	150.11	31.33	155.83	33.12		
	10.00	92.02	22.38	106.18	24.77	120.34	28.35	141.58	29.84	145.82	30.74	148.65	31.33	154.32	33.12		
	15.00	92.02	22.63	106.18	25.04	120.34	28.66	141.58	30.17	145.82	31.08	148.65	31.68	154.32	33.49		
	20.00	94.73	22.38	109.31	24.77	123.88	28.35	145.74	29.84	150.11	30.74	153.03	31.33	158.86	33.12		
	25.00	92.02	22.88	106.18	25.32	120.34	28.98	141.58	30.50	145.82	31.42	148.65	32.03	154.32	33.86		
	30.00	95.25	23.62	109.90	26.14	124.56	29.92	146.54	31.50	150.93	32.44	153.87	33.07	159.73	34.96		
	35.00	92.48	24.87	106.70	27.52	120.93	31.50	142.27	33.16	146.54	34.15	149.38	34.81	155.07	36.80		
	39.00	88.78	25.61	102.43	29.45	116.09	33.70	136.58	34.81	140.68	35.86	143.41	36.56	148.87	38.64		
	41.00	86.93	25.86	100.30	30.27	113.67	34.65	133.73	35.48	137.75	36.54	140.42	37.25	145.77	39.38		
	43.00	85.08	26.11	98.17	31.65	111.26	36.22	130.89	36.14	134.82	37.23	137.43	37.95	142.67	40.12		
46.00	80.30	28.60	92.65	34.13	105.00	39.06	123.53	41.11	127.24	42.35	129.71	43.17	134.65	45.64			
50.00	68.17	29.84	78.66	34.40	89.15	39.37	104.88	42.77	108.03	44.06	110.12	44.91	114.32	47.48			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT062S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	83.63	18.91	96.50	20.93	109.37	23.96	128.67	25.22	132.53	25.97	135.10	26.48	140.25	27.99
	0.00	83.63	18.91	96.50	20.93	109.37	23.96	128.67	25.22	132.53	25.97	135.10	26.48	140.25	27.99
	5.00	83.63	18.91	96.50	20.93	109.37	23.96	128.67	25.22	132.53	25.97	135.10	26.48	140.25	27.99
	10.00	82.82	18.91	95.56	20.93	108.31	23.96	127.42	25.22	131.24	25.97	133.79	26.48	138.89	27.99
	15.00	82.82	19.12	95.56	21.16	108.31	24.22	127.42	25.50	131.24	26.26	133.79	26.77	138.89	28.30
	20.00	85.26	18.91	98.37	20.93	111.49	23.96	131.17	25.22	135.10	25.97	137.72	26.48	142.97	27.99
	25.00	82.82	19.33	95.56	21.40	108.31	24.49	127.42	25.78	131.24	26.55	133.79	27.07	138.89	28.61
	30.00	83.63	19.96	96.50	22.09	109.37	25.29	128.67	26.62	132.53	27.42	135.10	27.95	140.25	29.55
	35.00	81.20	21.02	93.69	23.26	106.18	26.62	124.92	28.02	128.67	28.86	131.17	29.42	136.16	31.10
	39.00	77.95	21.65	89.94	24.88	101.93	28.48	119.92	29.42	123.52	30.30	125.92	30.89	130.72	32.66
	41.00	76.33	21.86	88.07	25.58	99.81	29.28	117.42	29.98	120.95	30.88	123.30	31.48	127.99	33.28
	43.00	74.70	22.07	86.19	26.75	97.69	30.61	114.93	30.54	118.37	31.46	120.67	32.07	125.27	33.90
46.00	70.37	23.22	81.20	27.71	92.02	32.42	108.26	33.01	111.51	34.00	113.68	34.66	118.01	36.64	
50.00	57.18	23.96	65.97	27.62	74.77	32.69	87.96	34.34	90.60	35.37	92.36	36.06	95.88	38.12	
60%	-5.00	72.02	15.65	83.10	17.32	94.18	19.82	110.80	20.59	114.12	21.21	116.34	21.62	120.77	22.86
	0.00	72.02	15.65	83.10	17.32	94.18	19.82	110.80	20.59	114.12	21.21	116.34	21.62	120.77	22.86
	5.00	72.02	15.65	83.10	17.32	94.18	19.82	110.80	20.59	114.12	21.21	116.34	21.62	120.77	22.86
	10.00	71.32	15.65	82.29	17.32	93.26	19.82	109.72	20.59	113.01	21.21	115.21	21.62	119.60	22.86
	15.00	71.32	15.82	82.29	17.51	93.26	20.04	109.72	20.82	113.01	21.45	115.21	21.86	119.60	23.11
	20.00	73.42	15.65	84.71	17.32	96.01	19.82	112.95	20.59	116.34	21.21	118.60	21.62	123.11	22.86
	25.00	71.32	16.00	82.29	17.70	93.26	20.26	109.72	21.05	113.01	21.68	115.21	22.10	119.60	23.37
	30.00	72.02	16.09	83.10	17.81	94.18	20.38	110.80	21.74	114.12	22.39	116.34	22.83	120.77	24.13
	35.00	69.92	16.94	80.68	18.74	91.43	21.45	107.57	22.88	110.80	23.57	112.95	24.03	117.25	25.40
	39.00	67.12	17.44	77.45	20.05	87.78	22.95	103.27	24.03	106.37	24.75	108.43	25.23	112.56	26.67
	41.00	65.73	17.61	75.84	20.62	85.95	23.60	101.12	24.48	104.15	25.22	106.17	25.71	110.22	27.18
	43.00	64.33	17.78	74.22	21.55	84.12	24.67	98.96	24.94	101.93	25.69	103.91	26.19	107.87	27.69
46.00	62.25	19.48	71.83	23.24	81.41	26.60	95.77	28.37	98.65	29.23	100.56	29.79	104.39	31.50	
50.00	50.58	20.32	58.36	23.43	66.14	26.81	77.81	29.52	80.15	30.40	81.71	31.00	84.82	32.77	
50%	-5.00	58.08	12.61	67.01	13.95	75.95	15.97	89.35	16.81	92.03	17.32	93.82	17.65	97.39	18.66
	0.00	58.08	12.61	67.01	13.95	75.95	15.97	89.35	16.81	92.03	17.32	93.82	17.65	97.39	18.66
	5.00	58.08	12.61	67.01	13.95	75.95	15.97	89.35	16.81	92.03	17.32	93.82	17.65	97.39	18.66
	10.00	57.52	12.61	66.36	13.95	75.21	15.97	88.49	16.81	91.14	17.32	92.91	17.65	96.45	18.66
	15.00	57.52	12.75	66.36	14.11	75.21	16.15	88.49	17.00	91.14	17.51	92.91	17.85	96.45	18.87
	20.00	59.21	12.61	68.32	13.95	77.42	15.97	91.09	16.81	93.82	17.32	95.64	17.65	99.29	18.66
	25.00	57.52	12.89	66.36	14.26	75.21	16.33	88.49	17.19	91.14	17.70	92.91	18.04	96.45	19.08
	30.00	58.08	13.31	67.01	14.73	75.95	16.86	89.35	17.75	92.03	18.28	93.82	18.63	97.39	19.70
	35.00	56.39	14.01	65.06	15.50	73.74	17.75	86.75	18.68	89.35	19.24	91.09	19.61	94.56	20.73
	39.00	54.13	14.43	62.46	16.59	70.79	18.99	83.28	19.61	85.78	20.20	87.44	20.59	90.78	21.77
	41.00	53.00	14.57	61.16	17.05	69.31	19.52	81.55	19.99	83.99	20.59	85.62	20.99	88.88	22.19
	43.00	51.88	14.71	59.86	17.83	67.84	20.41	79.81	20.36	82.20	20.97	83.80	21.38	86.99	22.60
46.00	49.28	15.31	56.86	18.26	64.45	20.90	75.82	22.01	78.09	22.67	79.61	23.11	82.64	24.43	
50.00	47.73	15.97	55.07	18.41	62.41	21.07	73.43	22.89	75.63	23.58	77.10	24.04	80.03	25.41	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT064S73HQSS Cooling Capacity													
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	128.23	33.12	147.96	36.65	167.68	41.95	197.28	44.16	203.19	45.48	207.14	46.36	215.03	49.01
	0.00	128.23	33.12	147.96	36.65	167.68	41.95	197.28	44.16	203.19	45.48	207.14	46.36	215.03	49.01
	5.00	128.23	33.12	147.96	36.65	167.68	41.95	197.28	44.16	203.19	45.48	207.14	46.36	215.03	49.01
	10.00	126.98	33.12	146.52	36.65	166.06	41.95	195.36	44.16	201.22	45.48	205.13	46.36	212.94	49.01
	15.00	126.98	33.48	146.52	37.06	166.06	42.41	195.36	44.65	201.22	45.99	205.13	46.88	212.94	49.56
	20.00	130.72	33.12	150.83	36.65	170.94	13.29	201.11	13.29	207.14	13.29	211.16	13.29	219.21	49.01
	25.00	126.98	33.85	146.52	37.46	166.06	42.88	195.36	45.14	201.22	46.49	205.13	47.39	212.94	50.10
	30.00	128.23	34.96	147.96	38.69	167.68	44.28	197.28	46.61	203.19	48.01	207.14	48.94	215.03	51.74
	35.00	124.49	36.80	143.65	40.72	162.80	46.61	191.53	49.06	197.28	50.53	201.11	51.52	208.77	54.46
	39.00	119.51	37.90	137.90	43.57	156.29	49.87	183.87	51.52	189.38	53.06	193.06	54.09	200.42	57.18
	41.00	117.02	38.64	135.03	45.23	153.03	51.77	180.04	53.01	185.44	54.60	189.04	55.66	196.24	58.84
	43.00	114.53	39.02	132.16	47.29	149.78	54.13	176.21	54.00	181.49	55.62	185.02	56.70	192.07	59.94
	46.00	99.60	42.73	114.92	50.99	130.24	58.36	153.22	61.43	157.82	63.28	160.89	64.50	167.01	68.19
50.00	80.92	44.59	93.37	51.40	105.82	58.83	124.49	63.91	128.23	65.83	130.72	67.11	135.70	70.94	
120%	-5.00	125.83	33.12	145.19	36.65	164.55	41.95	193.59	44.16	199.40	45.48	203.27	46.36	211.01	49.01
	0.00	125.83	33.12	145.19	36.65	164.55	41.95	193.59	44.16	199.40	45.48	203.27	46.36	211.01	49.01
	5.00	125.83	33.12	145.19	36.65	164.55	41.95	193.59	44.16	199.40	45.48	203.27	46.36	211.01	49.01
	10.00	124.61	33.12	143.78	36.65	162.95	41.95	191.71	44.16	197.46	45.48	201.29	46.36	208.96	49.01
	15.00	124.61	33.48	143.78	37.06	162.95	42.41	191.71	44.65	197.46	45.99	201.29	46.88	208.96	49.56
	20.00	128.28	33.12	148.01	36.65	167.75	41.95	197.35	44.16	203.27	45.48	207.21	46.36	215.11	49.01
	25.00	124.61	33.85	143.78	37.46	162.95	42.88	191.71	45.14	197.46	46.49	201.29	47.39	208.96	50.10
	30.00	125.83	34.96	145.19	38.69	164.55	44.28	193.59	46.61	199.40	48.01	203.27	48.94	211.01	51.74
	35.00	122.17	36.80	140.96	40.72	159.76	46.61	187.95	49.06	193.59	50.53	197.35	51.52	204.87	54.46
	39.00	117.28	37.72	135.32	43.36	153.37	49.63	180.43	51.27	185.84	53.06	189.45	54.09	196.67	57.18
	41.00	114.84	38.08	132.50	44.58	150.17	51.02	176.67	52.24	181.97	53.81	185.51	54.86	192.57	57.99
	43.00	112.39	38.45	129.69	46.60	146.98	53.34	172.91	53.22	178.10	54.82	181.56	55.88	188.48	59.08
	46.00	97.73	42.11	112.77	50.25	127.81	57.52	150.36	60.54	154.87	62.36	157.88	63.57	163.89	67.20
50.00	79.41	43.94	91.63	50.66	103.84	57.98	122.17	62.99	125.83	64.88	128.28	66.14	133.16	69.91	
110%	-5.00	123.44	32.95	142.43	36.47	161.42	41.74	189.90	43.94	195.60	45.26	199.40	46.14	206.99	48.77
	0.00	123.44	32.95	142.43	36.47	161.42	41.74	189.90	43.94	195.60	45.26	199.40	46.14	206.99	48.77
	5.00	123.44	32.95	142.43	36.47	161.42	41.74	189.90	43.94	195.60	45.26	199.40	46.14	206.99	48.77
	10.00	122.24	32.95	141.04	36.47	159.85	41.74	188.06	43.94	193.70	45.26	197.46	46.14	204.98	48.77
	15.00	122.24	33.32	141.04	36.87	159.85	42.21	188.06	44.43	193.70	45.76	197.46	46.65	204.98	49.31
	20.00	125.83	32.95	145.19	36.47	164.55	41.74	193.59	43.94	199.40	45.26	203.27	46.14	211.01	48.77
	25.00	122.24	33.69	141.04	37.28	159.85	42.67	188.06	44.92	193.70	46.26	197.46	47.16	204.98	49.86
	30.00	123.44	34.79	142.43	38.50	161.42	44.06	189.90	46.38	195.60	47.77	199.40	48.70	206.99	51.48
	35.00	119.84	36.62	138.28	40.52	156.71	46.38	184.37	48.82	189.90	50.29	193.59	51.26	200.96	54.19
	39.00	115.05	37.71	132.75	43.36	150.45	49.63	177.00	51.26	182.31	52.80	185.84	53.83	192.92	56.90
	41.00	112.65	38.08	129.98	44.57	147.31	51.02	173.31	52.24	178.51	53.81	181.97	54.85	188.91	57.99
	43.00	110.25	38.45	127.22	46.60	144.18	53.34	169.62	53.22	174.71	54.81	178.10	55.88	184.89	59.07
	46.00	95.87	42.11	110.62	50.25	125.37	57.51	147.50	60.54	151.92	62.35	154.87	63.57	160.77	67.20
50.00	77.90	43.94	89.88	50.65	101.86	57.98	119.84	62.98	123.44	64.87	125.83	66.13	130.63	69.91	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT064S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	119.84	32.47	138.28	35.93	156.71	41.13	184.37	43.29	189.90	44.59	193.59	45.45	200.96	48.05		
	0.00	119.84	32.47	138.28	35.93	156.71	41.13	184.37	43.29	189.90	44.59	193.59	45.45	200.96	48.05		
	5.00	119.84	32.47	138.28	35.93	156.71	41.13	184.37	43.29	189.90	44.59	193.59	45.45	200.96	48.05		
	10.00	118.68	32.47	136.94	35.93	155.19	41.13	182.58	43.29	188.06	44.59	191.71	45.45	199.01	48.05		
	15.00	118.68	32.83	136.94	36.33	155.19	41.58	182.58	43.77	188.06	45.08	191.71	45.96	199.01	48.59		
	20.00	122.17	32.47	140.96	35.93	159.76	41.13	187.95	43.29	193.59	44.59	197.35	45.45	204.87	48.05		
	25.00	118.68	33.19	136.94	36.73	155.19	42.04	182.58	44.25	188.06	45.58	191.71	46.46	199.01	49.12		
	30.00	119.84	34.27	138.28	37.93	156.71	43.41	184.37	45.70	189.90	47.07	193.59	47.98	200.96	50.72		
	35.00	116.35	36.08	134.25	39.92	152.15	45.70	179.00	48.10	184.37	49.54	187.95	50.51	195.11	53.39		
	39.00	111.70	37.16	128.88	42.72	146.06	48.89	171.84	50.51	177.00	52.02	180.43	53.03	187.31	56.06		
	41.00	109.37	37.52	126.20	43.92	143.02	50.26	168.26	51.47	173.31	53.01	176.67	54.04	183.40	57.13		
	43.00	107.04	37.88	123.51	45.91	139.98	52.55	164.68	52.43	169.62	54.00	172.91	55.05	179.50	58.20		
	46.00	93.08	41.49	107.40	49.50	121.72	56.66	143.20	59.64	147.50	61.43	150.36	62.63	156.09	66.20		
50.00	75.63	43.29	87.26	49.90	98.90	57.12	116.35	62.05	119.84	63.91	122.17	65.15	126.82	68.87			
90%	-5.00	107.86	26.95	124.45	29.82	141.04	34.13	165.93	35.93	170.91	37.01	174.23	37.73	180.87	39.88		
	0.00	107.86	26.95	124.45	29.82	141.04	34.13	165.93	35.93	170.91	37.01	174.23	37.73	180.87	39.88		
	5.00	107.86	26.95	124.45	29.82	141.04	34.13	165.93	35.93	170.91	37.01	174.23	37.73	180.87	39.88		
	10.00	106.81	26.95	123.24	29.82	139.67	34.13	164.32	35.93	169.25	37.01	172.54	37.73	179.11	39.88		
	15.00	106.81	27.25	123.24	30.15	139.67	34.51	164.32	36.33	169.25	37.42	172.54	38.15	179.11	40.33		
	20.00	109.95	26.95	126.87	29.82	143.78	34.13	169.16	35.93	174.23	37.01	177.61	37.73	184.38	39.88		
	25.00	106.81	27.55	123.24	30.49	139.67	34.89	164.32	36.73	169.25	37.83	172.54	38.57	179.11	40.77		
	30.00	107.86	28.45	124.45	31.48	141.04	36.03	165.93	37.93	170.91	39.06	174.23	39.82	180.87	42.10		
	35.00	104.72	29.94	120.83	33.14	136.94	37.93	161.10	39.92	165.93	41.12	169.16	41.92	175.60	44.31		
	39.00	100.53	30.84	115.99	35.46	131.46	40.58	154.66	41.92	159.30	43.18	162.39	44.02	168.58	46.53		
	41.00	98.43	31.14	113.58	36.45	128.72	41.72	151.43	42.72	155.98	44.00	159.01	44.85	165.06	47.42		
	43.00	96.34	31.44	111.16	38.11	125.98	43.62	148.21	43.52	152.66	44.82	155.62	45.69	161.55	48.30		
	46.00	89.59	33.19	103.38	39.60	117.16	45.33	137.84	47.72	141.97	49.15	144.73	50.10	150.24	52.96		
50.00	84.78	35.93	97.82	41.42	110.86	47.41	130.43	51.50	134.34	53.05	136.95	54.08	142.16	57.17			
80%	-5.00	95.87	23.05	110.62	25.51	125.37	29.20	147.50	30.74	151.92	31.66	154.87	32.27	160.77	34.12		
	0.00	95.87	23.05	110.62	25.51	125.37	29.20	147.50	30.74	151.92	31.66	154.87	32.27	160.77	34.12		
	5.00	95.87	23.05	110.62	25.51	125.37	29.20	147.50	30.74	151.92	31.66	154.87	32.27	160.77	34.12		
	10.00	94.94	23.05	109.55	25.51	124.15	29.20	146.06	30.74	150.45	31.66	153.37	32.27	159.21	34.12		
	15.00	94.94	23.31	109.55	25.79	124.15	29.52	146.06	31.08	150.45	32.01	153.37	32.63	159.21	34.50		
	20.00	97.73	23.05	112.77	25.51	127.81	29.20	150.36	30.74	154.87	31.66	157.88	32.27	163.89	34.12		
	25.00	94.94	23.56	109.55	26.08	124.15	29.85	146.06	31.42	150.45	32.36	153.37	32.99	159.21	34.88		
	30.00	98.27	24.33	113.39	26.93	128.51	30.82	151.18	32.44	155.72	33.42	158.74	34.07	164.79	36.01		
	35.00	95.41	25.61	110.09	28.35	124.76	32.44	146.78	34.15	151.18	35.18	154.12	35.86	159.99	37.91		
	39.00	91.59	26.38	105.68	30.33	119.77	34.71	140.91	35.86	145.14	36.93	147.95	37.65	153.59	39.80		
	41.00	89.68	26.64	103.48	31.18	117.28	35.69	137.97	36.54	142.11	37.64	144.87	38.37	150.39	40.56		
	43.00	87.77	26.89	101.28	32.60	114.78	37.31	135.04	37.22	139.09	38.34	141.79	39.09	147.19	41.32		
	46.00	82.84	29.46	95.59	35.15	108.33	40.23	127.45	42.35	131.27	43.62	133.82	44.46	138.92	47.01		
50.00	70.33	30.74	81.15	35.43	91.97	40.55	108.21	44.05	111.45	45.38	113.62	46.26	117.94	48.90			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT064S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	86.29	19.48	99.56	21.56	112.83	24.68	132.75	25.97	136.73	26.75	139.38	27.27	144.69	28.83		
	0.00	86.29	19.48	99.56	21.56	112.83	24.68	132.75	25.97	136.73	26.75	139.38	27.27	144.69	28.83		
	5.00	86.29	19.48	99.56	21.56	112.83	24.68	132.75	25.97	136.73	26.75	139.38	27.27	144.69	28.83		
	10.00	85.45	19.48	98.59	21.56	111.74	24.68	131.46	25.97	135.40	26.75	138.03	27.27	143.29	28.83		
	15.00	85.45	19.70	98.59	21.80	111.74	24.95	131.46	26.26	135.40	27.05	138.03	27.58	143.29	29.15		
	20.00	87.96	19.48	101.49	21.56	115.03	24.68	135.32	25.97	139.38	26.75	142.09	27.27	147.50	28.83		
	25.00	85.45	19.91	98.59	22.04	111.74	25.22	131.46	26.55	135.40	27.35	138.03	27.88	143.29	29.47		
	30.00	86.29	20.56	99.56	22.76	112.83	26.05	132.75	27.42	136.73	28.24	139.38	28.79	144.69	30.43		
	35.00	83.77	21.65	96.66	23.95	109.55	27.42	128.88	28.86	132.75	29.73	135.32	30.30	140.48	32.03		
	39.00	80.42	22.29	92.79	25.63	105.17	29.34	123.72	30.30	127.44	31.21	129.91	31.82	134.86	33.64		
	41.00	78.75	22.51	90.86	26.35	102.98	30.16	121.15	30.88	124.78	31.81	127.20	32.42	132.05	34.28		
	43.00	77.07	22.73	88.93	27.55	100.78	31.53	118.57	31.46	122.13	32.40	124.50	33.03	129.24	34.92		
46.00	72.60	23.78	83.77	28.37	94.94	32.83	111.70	34.00	115.05	35.02	117.28	35.70	121.75	37.74			
50.00	58.99	24.68	68.06	28.45	77.14	33.10	90.75	35.37	93.48	36.43	95.29	37.14	98.92	39.26			
60%	-5.00	74.30	16.01	85.73	17.72	97.16	20.28	114.31	21.21	117.74	21.85	120.02	22.27	124.60	23.55		
	0.00	74.30	16.01	85.73	17.72	97.16	20.28	114.31	21.21	117.74	21.85	120.02	22.27	124.60	23.55		
	5.00	74.30	16.01	85.73	17.72	97.16	20.28	114.31	21.21	117.74	21.85	120.02	22.27	124.60	23.55		
	10.00	73.58	16.01	84.90	17.72	96.22	20.28	113.20	21.21	116.60	21.85	118.86	22.27	123.39	23.55		
	15.00	73.58	16.19	84.90	17.92	96.22	20.51	113.20	21.45	116.60	22.09	118.86	22.52	123.39	23.81		
	20.00	75.74	16.01	87.40	17.72	99.05	20.28	116.53	21.21	120.02	21.85	122.36	22.27	127.02	23.55		
	25.00	73.58	16.37	84.90	18.11	96.22	20.73	113.20	21.68	116.60	22.33	118.86	22.77	123.39	24.07		
	30.00	74.30	16.69	85.73	18.47	97.16	21.13	114.31	22.39	117.74	23.06	120.02	23.51	124.60	24.85		
	35.00	72.14	17.56	83.24	19.44	94.33	22.25	110.98	23.57	114.31	24.28	116.53	24.75	120.97	26.16		
	39.00	69.25	18.09	79.91	20.80	90.56	23.80	106.54	24.75	109.74	25.49	111.87	25.98	116.13	27.47		
	41.00	67.81	18.27	78.24	21.38	88.67	24.47	104.32	25.22	107.45	25.98	109.54	26.48	113.71	27.99		
	43.00	66.37	18.44	76.58	22.35	86.79	25.58	102.10	25.69	105.16	26.46	107.21	26.97	111.29	28.52		
46.00	64.23	20.20	74.11	24.10	83.99	27.59	98.81	29.23	101.77	30.10	103.75	30.69	107.70	32.44			
50.00	52.18	21.08	60.21	24.30	68.24	27.81	80.28	30.40	82.69	31.32	84.30	31.92	87.51	33.75			
50%	-5.00	59.92	12.99	69.14	14.37	78.36	16.45	92.19	17.32	94.95	17.84	96.79	18.18	100.48	19.22		
	0.00	59.92	12.99	69.14	14.37	78.36	16.45	92.19	17.32	94.95	17.84	96.79	18.18	100.48	19.22		
	5.00	59.92	12.99	69.14	14.37	78.36	16.45	92.19	17.32	94.95	17.84	96.79	18.18	100.48	19.22		
	10.00	59.34	12.99	68.47	14.37	77.60	16.45	91.29	17.32	94.03	17.84	95.85	18.18	99.51	19.22		
	15.00	59.34	13.13	68.47	14.53	77.60	16.63	91.29	17.51	94.03	18.03	95.85	18.38	99.51	19.43		
	20.00	61.08	12.99	70.48	14.37	79.88	16.45	93.98	17.32	96.79	17.84	98.67	18.18	102.43	19.22		
	25.00	59.34	13.28	68.47	14.69	77.60	16.82	91.29	17.70	94.03	18.23	95.85	18.59	99.51	19.65		
	30.00	59.92	13.71	69.14	15.17	78.36	17.36	92.19	18.28	94.95	18.83	96.79	19.19	100.48	20.29		
	35.00	58.18	14.43	67.13	15.97	76.08	18.28	89.50	19.24	92.19	19.82	93.98	20.20	97.56	21.36		
	39.00	55.85	14.86	64.44	17.09	73.03	19.56	85.92	20.20	88.50	20.81	90.22	21.21	93.65	22.42		
	41.00	54.68	15.01	63.10	17.57	71.51	20.11	84.13	20.59	86.65	21.20	88.34	21.62	91.70	22.85		
	43.00	53.52	15.15	61.76	18.36	69.99	21.02	82.34	20.97	84.81	21.60	86.46	22.02	89.75	23.28		
46.00	50.84	15.76	58.67	18.81	66.49	21.53	78.22	22.66	80.57	23.34	82.13	23.80	85.26	25.16			
50.00	49.24	16.45	56.81	18.96	64.39	21.71	75.75	23.58	78.03	24.29	79.54	24.76	82.57	26.17			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT066S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	132.17	34.08	152.50	37.72	172.84	43.17	203.34	45.44	209.44	46.80	213.50	47.71	221.64	50.44		
	0.00	132.17	34.08	152.50	37.72	172.84	43.17	203.34	45.44	209.44	46.80	213.50	47.71	221.64	50.44		
	5.00	132.17	34.08	152.50	37.72	172.84	43.17	203.34	45.44	209.44	46.80	213.50	47.71	221.64	50.44		
	10.00	130.89	34.08	151.02	37.72	171.16	43.17	201.36	45.44	207.40	46.80	211.43	47.71	219.49	50.44		
	15.00	130.89	34.46	151.02	38.14	171.16	43.65	201.36	45.95	207.40	47.32	211.43	48.24	219.49	51.00		
	20.00	134.74	34.08	155.46	37.72	176.19	13.29	207.29	13.29	213.50	13.29	217.65	13.29	225.94	50.44		
	25.00	130.89	34.84	151.02	38.55	171.16	44.13	201.36	46.45	207.40	47.84	211.43	48.77	219.49	51.56		
	30.00	132.17	35.97	152.50	39.81	172.84	45.57	203.34	47.97	209.44	49.40	213.50	50.36	221.64	53.24		
	35.00	128.32	37.87	148.06	41.91	167.80	47.97	197.42	50.49	203.34	52.00	207.29	53.01	215.18	56.04		
	39.00	123.19	39.00	142.14	44.84	161.09	51.32	189.52	53.01	195.20	54.60	198.99	55.67	206.58	58.85		
	41.00	120.62	39.77	139.18	46.55	157.73	53.28	185.57	54.55	191.14	56.19	194.85	57.28	202.27	60.55		
	43.00	118.05	40.15	136.22	48.67	154.38	55.70	181.62	55.57	187.07	57.24	190.70	58.35	197.97	61.69		
46.00	102.66	43.97	118.45	52.47	134.24	60.06	157.93	63.22	162.67	65.12	165.83	66.38	172.15	70.18			
50.00	83.41	45.89	96.24	52.90	109.07	60.54	128.32	65.77	132.17	67.74	134.74	69.06	139.87	73.01			
120%	-5.00	129.70	34.08	149.65	37.72	169.61	43.17	199.54	45.44	205.52	46.80	209.51	47.71	217.50	50.44		
	0.00	129.70	34.08	149.65	37.72	169.61	43.17	199.54	45.44	205.52	46.80	209.51	47.71	217.50	50.44		
	5.00	129.70	34.08	149.65	37.72	169.61	43.17	199.54	45.44	205.52	46.80	209.51	47.71	217.50	50.44		
	10.00	128.44	34.08	148.20	37.72	167.96	43.17	197.60	45.44	203.53	46.80	207.48	47.71	215.38	50.44		
	15.00	128.44	34.46	148.20	38.14	167.96	43.65	197.60	45.95	203.53	47.32	207.48	48.24	215.38	51.00		
	20.00	132.22	34.08	152.56	37.72	172.90	43.17	203.41	45.44	209.51	46.80	213.58	47.71	221.72	50.44		
	25.00	128.44	34.84	148.20	38.55	167.96	44.13	197.60	46.45	203.53	47.84	207.48	48.77	215.38	51.56		
	30.00	129.70	35.97	149.65	39.81	169.61	45.57	199.54	47.97	205.52	49.40	209.51	50.36	217.50	53.24		
	35.00	125.92	37.87	145.29	41.91	164.67	47.97	193.73	50.49	199.54	52.00	203.41	53.01	211.16	56.04		
	39.00	120.88	38.82	139.48	44.62	158.08	51.08	185.98	52.76	191.56	54.60	195.27	56.31	202.71	58.56		
	41.00	118.37	39.19	136.58	45.88	154.79	52.51	182.10	53.76	187.56	55.38	191.21	56.45	198.49	59.68		
	43.00	115.85	39.57	133.67	47.96	151.49	54.90	178.23	54.77	183.57	56.41	187.14	57.51	194.27	60.79		
46.00	100.74	43.34	116.24	51.71	131.73	59.19	154.98	62.31	159.63	64.18	162.73	65.42	168.93	69.16			
50.00	81.85	45.22	94.44	52.13	107.03	59.67	125.92	64.82	129.70	66.76	132.22	68.06	137.25	71.95			
110%	-5.00	127.23	33.91	146.80	37.53	166.38	42.96	195.74	45.22	201.61	46.57	205.52	47.48	213.35	50.19		
	0.00	127.23	33.91	146.80	37.53	166.38	42.96	195.74	45.22	201.61	46.57	205.52	47.48	213.35	50.19		
	5.00	127.23	33.91	146.80	37.53	166.38	42.96	195.74	45.22	201.61	46.57	205.52	47.48	213.35	50.19		
	10.00	125.99	33.91	145.38	37.53	164.76	42.96	193.84	45.22	199.65	46.57	203.53	47.48	211.28	50.19		
	15.00	125.99	34.29	145.38	37.95	164.76	43.43	193.84	45.72	199.65	47.09	203.53	48.01	211.28	50.75		
	20.00	129.70	33.91	149.65	37.53	169.61	42.96	199.54	45.22	205.52	46.57	209.51	47.48	217.50	50.19		
	25.00	125.99	34.67	145.38	38.37	164.76	43.91	193.84	46.22	199.65	47.61	203.53	48.53	211.28	51.31		
	30.00	127.23	35.80	146.80	39.62	166.38	45.34	195.74	47.73	201.61	49.16	205.52	50.12	213.35	52.98		
	35.00	123.52	37.68	142.53	41.70	161.53	47.73	190.04	50.24	195.74	51.75	199.54	52.75	207.14	55.77		
	39.00	118.58	38.81	136.83	44.62	155.07	51.07	182.43	52.75	187.91	54.34	191.56	55.39	198.85	58.56		
	41.00	116.11	39.19	133.97	45.87	151.84	52.50	178.63	53.76	183.99	55.37	187.56	56.45	194.71	59.67		
	43.00	113.64	39.57	131.12	47.96	148.61	54.89	174.83	54.76	180.08	56.41	183.57	57.50	190.57	60.79		
46.00	98.82	43.33	114.02	51.71	129.22	59.19	152.03	62.30	156.59	64.17	159.63	65.42	165.71	69.15			
50.00	80.29	45.22	92.64	52.13	104.99	59.66	123.52	64.81	127.23	66.76	129.70	68.05	134.64	71.94			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT066S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	123.52	33.41	142.53	36.98	161.53	42.32	190.04	44.55	195.74	45.89	199.54	46.78	207.14	49.45		
	0.00	123.52	33.41	142.53	36.98	161.53	42.32	190.04	44.55	195.74	45.89	199.54	46.78	207.14	49.45		
	5.00	123.52	33.41	142.53	36.98	161.53	42.32	190.04	44.55	195.74	45.89	199.54	46.78	207.14	49.45		
	10.00	122.32	33.41	141.14	36.98	159.96	42.32	188.19	44.55	193.84	45.89	197.60	46.78	205.13	49.45		
	15.00	122.32	33.78	141.14	37.39	159.96	42.79	188.19	45.05	193.84	46.40	197.60	47.30	205.13	50.00		
	20.00	125.92	33.41	145.29	36.98	164.67	42.32	193.73	44.55	199.54	45.89	203.41	46.78	211.16	49.45		
	25.00	122.32	34.16	141.14	37.80	159.96	43.26	188.19	45.54	193.84	46.91	197.60	47.82	205.13	50.55		
	30.00	123.52	35.27	142.53	39.03	161.53	44.67	190.04	47.03	195.74	48.44	199.54	49.38	207.14	52.20		
	35.00	119.93	37.13	138.38	41.09	156.83	47.03	184.50	49.50	190.04	50.99	193.73	51.98	201.11	54.95		
	39.00	115.13	38.24	132.84	43.96	150.55	50.32	177.12	51.98	182.43	53.53	185.98	54.57	193.06	57.69		
	41.00	112.73	38.61	130.07	45.19	147.42	51.73	173.43	52.97	178.63	54.55	182.10	55.61	189.04	58.79		
	43.00	110.33	38.98	127.31	47.25	144.28	54.08	169.74	53.96	174.83	55.57	178.23	56.65	185.02	59.89		
	46.00	95.94	42.69	110.70	50.95	125.46	58.31	147.60	61.38	152.03	63.22	154.98	64.45	160.88	68.13		
50.00	77.95	44.55	89.94	51.36	101.94	58.78	119.93	63.86	123.52	65.77	125.92	67.05	130.72	70.88			
90%	-5.00	111.17	27.73	128.27	30.69	145.38	35.13	171.03	36.98	176.16	38.09	179.58	38.83	186.42	41.04		
	0.00	111.17	27.73	128.27	30.69	145.38	35.13	171.03	36.98	176.16	38.09	179.58	38.83	186.42	41.04		
	5.00	111.17	27.73	128.27	30.69	145.38	35.13	171.03	36.98	176.16	38.09	179.58	38.83	186.42	41.04		
	10.00	110.09	27.73	127.03	30.69	143.97	35.13	169.37	36.98	174.45	38.09	177.84	38.83	184.61	41.04		
	15.00	110.09	28.04	127.03	31.03	143.97	35.52	169.37	37.39	174.45	38.51	177.84	39.26	184.61	41.50		
	20.00	113.33	27.73	130.76	30.69	148.20	35.13	174.35	36.98	179.58	38.09	183.07	38.83	190.04	41.04		
	25.00	110.09	28.35	127.03	31.37	143.97	35.91	169.37	37.80	174.45	38.93	177.84	39.69	184.61	41.96		
	30.00	111.17	29.27	128.27	32.40	145.38	37.08	171.03	39.03	176.16	40.20	179.58	40.98	186.42	43.32		
	35.00	107.93	30.81	124.54	34.10	141.14	39.03	166.05	41.09	171.03	42.32	174.35	43.14	180.99	45.60		
	39.00	103.62	31.74	119.56	36.49	135.50	41.76	159.41	43.14	164.19	44.43	167.38	45.30	173.75	47.88		
	41.00	101.46	32.05	117.07	37.51	132.67	42.93	156.09	43.96	160.77	45.28	163.89	46.16	170.13	48.80		
	43.00	99.30	32.35	114.57	39.22	129.85	44.89	152.77	44.78	157.35	46.13	160.40	47.02	166.51	49.71		
	46.00	92.35	34.16	106.55	40.76	120.76	46.65	142.07	49.10	146.33	50.58	149.18	51.56	154.86	54.51		
50.00	87.38	36.98	100.83	42.63	114.27	48.79	134.43	53.00	138.47	54.59	141.16	55.65	146.53	58.83			
80%	-5.00	98.82	23.72	114.02	26.25	129.22	30.05	152.03	31.63	156.59	32.58	159.63	33.21	165.71	35.11		
	0.00	98.82	23.72	114.02	26.25	129.22	30.05	152.03	31.63	156.59	32.58	159.63	33.21	165.71	35.11		
	5.00	98.82	23.72	114.02	26.25	129.22	30.05	152.03	31.63	156.59	32.58	159.63	33.21	165.71	35.11		
	10.00	97.86	23.72	112.91	26.25	127.97	30.05	150.55	31.63	155.07	32.58	158.08	33.21	164.10	35.11		
	15.00	97.86	23.99	112.91	26.55	127.97	30.38	150.55	31.98	155.07	32.94	158.08	33.58	164.10	35.50		
	20.00	100.74	23.72	116.24	26.25	131.73	30.05	154.98	31.63	159.63	32.58	162.73	33.21	168.93	35.11		
	25.00	97.86	24.25	112.91	26.84	127.97	30.72	150.55	32.33	155.07	33.30	158.08	33.95	164.10	35.89		
	30.00	101.29	25.04	116.87	27.71	132.45	31.72	155.83	33.39	160.50	34.39	163.62	35.06	169.85	37.06		
	35.00	98.34	26.36	113.47	29.17	128.60	33.39	151.29	35.15	155.83	36.20	158.85	36.90	164.91	39.01		
	39.00	94.40	27.15	108.93	31.21	123.45	35.72	145.24	36.90	149.60	38.01	152.50	38.75	158.31	40.96		
	41.00	92.44	27.41	106.66	32.09	120.88	36.73	142.21	37.61	146.48	38.73	149.32	39.49	155.01	41.74		
	43.00	90.47	27.68	104.39	33.55	118.31	38.40	139.19	38.31	143.36	39.46	146.15	40.22	151.71	42.52		
	46.00	85.39	30.31	98.52	36.17	111.66	41.40	131.36	43.58	135.30	44.89	137.93	45.76	143.19	48.37		
50.00	72.49	31.63	83.65	36.46	94.80	41.73	111.53	45.34	114.88	46.70	117.11	47.60	121.57	50.32			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT066S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	88.94	20.05	102.62	22.19	116.30	25.39	136.83	26.73	140.93	27.53	143.67	28.07	149.14	29.67		
	0.00	88.94	20.05	102.62	22.19	116.30	25.39	136.83	26.73	140.93	27.53	143.67	28.07	149.14	29.67		
	5.00	88.94	20.05	102.62	22.19	116.30	25.39	136.83	26.73	140.93	27.53	143.67	28.07	149.14	29.67		
	10.00	88.07	20.05	101.62	22.19	115.17	25.39	135.50	26.73	139.56	27.53	142.27	28.07	147.69	29.67		
	15.00	88.07	20.27	101.62	22.43	115.17	25.68	135.50	27.03	139.56	27.84	142.27	28.38	147.69	30.00		
	20.00	90.66	20.05	104.61	22.19	118.56	25.39	139.48	26.73	143.67	27.53	146.46	28.07	152.04	29.67		
	25.00	88.07	20.49	101.62	22.68	115.17	25.96	135.50	27.32	139.56	28.14	142.27	28.69	147.69	30.33		
	30.00	88.94	21.16	102.62	23.42	116.30	26.80	136.83	28.22	140.93	29.06	143.67	29.63	149.14	31.32		
	35.00	86.35	22.28	99.63	24.65	112.91	28.22	132.84	29.70	136.83	30.59	139.48	31.19	144.80	32.97		
	39.00	82.89	22.94	95.64	26.38	108.40	30.19	127.53	31.19	131.35	32.12	133.90	32.74	139.00	34.62		
	41.00	81.17	23.17	93.65	27.12	106.14	31.04	124.87	31.78	128.62	32.73	131.11	33.37	136.11	35.27		
	43.00	79.44	23.39	91.66	28.35	103.88	32.45	122.21	32.37	125.88	33.34	128.32	33.99	133.21	35.93		
46.00	74.83	24.34	86.35	29.04	97.86	33.24	115.13	34.99	118.58	36.04	120.88	36.74	125.49	38.84			
50.00	60.80	25.39	70.16	29.27	79.51	33.51	93.54	36.40	96.35	37.49	98.22	38.22	101.96	40.40			
60%	-5.00	76.58	16.37	88.37	18.12	100.15	20.74	117.82	21.83	121.36	22.48	123.71	22.92	128.43	24.23		
	0.00	76.58	16.37	88.37	18.12	100.15	20.74	117.82	21.83	121.36	22.48	123.71	22.92	128.43	24.23		
	5.00	76.58	16.37	88.37	18.12	100.15	20.74	117.82	21.83	121.36	22.48	123.71	22.92	128.43	24.23		
	10.00	75.84	16.37	87.51	18.12	99.18	20.74	116.68	21.83	120.18	22.48	122.51	22.92	127.18	24.23		
	15.00	75.84	16.55	87.51	18.32	99.18	20.97	116.68	22.07	120.18	22.73	122.51	23.18	127.18	24.50		
	20.00	78.07	16.37	90.08	18.12	102.09	20.74	120.11	21.83	123.71	22.48	126.11	22.92	130.92	24.23		
	25.00	75.84	16.74	87.51	18.52	99.18	21.20	116.68	22.31	120.18	22.98	122.51	23.43	127.18	24.77		
	30.00	76.58	17.28	88.37	19.13	100.15	21.89	117.82	23.04	121.36	23.73	123.71	24.19	128.43	25.58		
	35.00	74.35	18.19	85.79	20.13	97.23	23.04	114.39	24.26	117.82	24.98	120.11	25.47	124.69	26.92		
	39.00	71.38	18.74	82.36	21.54	93.34	24.66	109.81	25.47	113.11	26.23	115.31	26.74	119.70	28.27		
	41.00	69.89	18.92	80.64	22.14	91.40	25.35	107.53	25.95	110.75	26.73	112.90	27.25	117.20	28.81		
	43.00	68.41	19.10	78.93	23.15	89.45	26.50	105.24	26.44	108.40	27.23	110.50	27.76	114.71	29.35		
46.00	66.20	20.92	76.38	24.96	86.57	28.57	101.84	30.08	104.90	30.98	106.94	31.58	111.01	33.38			
50.00	53.79	21.83	62.06	25.16	70.34	28.80	82.75	31.29	85.23	32.23	86.89	32.85	90.20	34.73			
50%	-5.00	61.76	13.37	71.26	14.79	80.76	16.93	95.02	17.82	97.87	18.35	99.77	18.71	103.57	19.78		
	0.00	61.76	13.37	71.26	14.79	80.76	16.93	95.02	17.82	97.87	18.35	99.77	18.71	103.57	19.78		
	5.00	61.76	13.37	71.26	14.79	80.76	16.93	95.02	17.82	97.87	18.35	99.77	18.71	103.57	19.78		
	10.00	61.16	13.37	70.57	14.79	79.98	16.93	94.10	17.82	96.92	18.35	98.80	18.71	102.56	19.78		
	15.00	61.16	13.51	70.57	14.95	79.98	17.12	94.10	18.02	96.92	18.56	98.80	18.92	102.56	20.00		
	20.00	62.96	13.37	72.65	14.79	82.33	16.93	96.86	17.82	99.77	18.35	101.71	18.71	105.58	19.78		
	25.00	61.16	13.66	70.57	15.12	79.98	17.31	94.10	18.22	96.92	18.76	98.80	19.13	102.56	20.22		
	30.00	61.76	14.11	71.26	15.61	80.76	17.87	95.02	18.81	97.87	19.37	99.77	19.75	103.57	20.88		
	35.00	59.96	14.85	69.19	16.43	78.41	18.81	92.25	19.80	95.02	20.39	96.86	20.79	100.55	21.98		
	39.00	57.56	15.30	66.42	17.58	75.28	20.13	88.56	20.79	91.22	21.41	92.99	21.83	96.53	23.08		
	41.00	56.36	15.44	65.04	18.08	73.71	20.69	86.72	21.19	89.32	21.82	91.05	22.25	94.52	23.52		
	43.00	55.17	15.59	63.65	18.90	72.14	21.63	84.87	21.58	87.42	22.23	89.11	22.66	92.51	23.96		
46.00	52.41	16.22	60.47	19.36	68.53	22.16	80.63	23.32	83.05	24.02	84.66	24.49	87.88	25.89			
50.00	50.75	16.93	58.56	19.52	66.37	22.34	78.08	24.26	80.42	24.99	81.98	25.48	85.11	26.93			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT068S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	136.83	34.84	157.88	38.55	178.93	44.13	210.50	46.45	216.82	47.84	221.03	48.77	229.45	51.56		
	0.00	136.83	34.84	157.88	38.55	178.93	44.13	210.50	46.45	216.82	47.84	221.03	48.77	229.45	51.56		
	5.00	136.83	34.84	157.88	38.55	178.93	44.13	210.50	46.45	216.82	47.84	221.03	48.77	229.45	51.56		
	10.00	135.50	34.84	156.34	38.55	177.19	44.13	208.46	46.45	214.71	47.84	218.88	48.77	227.22	51.56		
	15.00	135.50	35.23	156.34	38.98	177.19	44.62	208.46	46.97	214.71	48.38	218.88	49.32	227.22	52.13		
	20.00	139.48	34.84	160.94	38.55	182.40	13.29	214.59	13.29	221.03	13.29	225.32	13.29	233.90	51.56		
	25.00	135.50	35.61	156.34	39.41	177.19	45.11	208.46	47.48	214.71	48.91	218.88	49.86	227.22	52.71		
	30.00	136.83	36.77	157.88	40.70	178.93	46.58	210.50	49.03	216.82	50.50	221.03	51.48	229.45	54.42		
	35.00	132.84	38.71	153.28	42.84	173.71	49.03	204.37	51.61	210.50	53.16	214.59	54.19	222.76	57.29		
	39.00	127.53	39.87	147.15	45.84	166.77	52.46	196.20	54.19	202.08	55.82	206.00	56.90	213.85	60.15		
	41.00	124.87	40.65	144.08	47.58	163.29	54.46	192.11	55.77	197.87	57.44	201.71	58.55	209.40	61.90		
	43.00	122.21	41.04	141.02	49.75	159.82	56.94	188.02	56.81	193.66	58.51	197.42	59.65	204.94	63.06		
46.00	106.27	44.95	122.62	53.64	138.97	61.40	163.50	64.63	168.40	66.57	171.67	67.86	178.21	71.74			
50.00	86.35	46.91	99.63	54.07	112.91	61.89	132.84	67.23	136.83	69.25	139.48	70.59	144.80	74.63			
120%	-5.00	134.27	34.84	154.92	38.55	175.58	44.13	206.57	46.45	212.76	47.84	216.89	48.77	225.16	51.56		
	0.00	134.27	34.84	154.92	38.55	175.58	44.13	206.57	46.45	212.76	47.84	216.89	48.77	225.16	51.56		
	5.00	134.27	34.84	154.92	38.55	175.58	44.13	206.57	46.45	212.76	47.84	216.89	48.77	225.16	51.56		
	10.00	132.96	34.84	153.42	38.55	173.88	44.13	204.56	46.45	210.70	47.84	214.79	48.77	222.97	51.56		
	15.00	132.96	35.23	153.42	38.98	173.88	44.62	204.56	46.97	210.70	48.38	214.79	49.32	222.97	52.13		
	20.00	136.88	34.84	157.93	38.55	178.99	44.13	210.58	46.45	216.89	47.84	221.11	48.77	229.53	51.56		
	25.00	132.96	35.61	153.42	39.41	173.88	45.11	204.56	47.48	210.70	48.91	214.79	49.86	222.97	52.71		
	30.00	134.27	36.77	154.92	40.70	175.58	46.58	206.57	49.03	212.76	50.50	216.89	51.48	225.16	54.42		
	35.00	130.36	38.71	150.41	42.84	170.47	49.03	200.55	51.61	206.57	53.16	210.58	54.19	218.60	57.29		
	39.00	125.14	39.68	144.40	45.62	163.65	52.21	192.53	53.93	198.30	55.82	202.15	56.90	209.86	59.86		
	41.00	122.54	40.06	141.39	46.90	160.24	53.68	188.52	54.96	194.17	56.61	197.94	57.71	205.48	61.01		
	43.00	119.93	40.45	138.38	49.03	156.83	56.12	184.51	55.99	190.04	57.67	193.73	58.79	201.11	62.15		
46.00	104.29	44.30	120.33	52.86	136.37	60.51	160.44	63.69	165.25	65.60	168.46	66.88	174.88	70.70			
50.00	84.73	46.23	97.77	53.29	110.80	60.99	130.36	66.26	134.27	68.25	136.88	69.57	142.09	73.55			
110%	-5.00	131.71	34.67	151.97	38.37	172.24	43.91	202.63	46.22	208.71	47.61	212.76	48.53	220.87	51.31		
	0.00	131.71	34.67	151.97	38.37	172.24	43.91	202.63	46.22	208.71	47.61	212.76	48.53	220.87	51.31		
	5.00	131.71	34.67	151.97	38.37	172.24	43.91	202.63	46.22	208.71	47.61	212.76	48.53	220.87	51.31		
	10.00	130.43	34.67	150.50	38.37	170.56	43.91	200.66	46.22	206.68	47.61	210.70	48.53	218.72	51.31		
	15.00	130.43	35.05	150.50	38.79	170.56	44.40	200.66	46.74	206.68	48.14	210.70	49.07	218.72	51.88		
	20.00	134.27	34.67	154.92	38.37	175.58	43.91	206.57	46.22	212.76	47.61	216.89	48.53	225.16	51.31		
	25.00	130.43	35.44	150.50	39.22	170.56	44.89	200.66	47.25	206.68	48.67	210.70	49.61	218.72	52.45		
	30.00	131.71	36.59	151.97	40.50	172.24	46.35	202.63	48.79	208.71	50.25	212.76	51.23	220.87	54.16		
	35.00	127.87	38.52	147.55	42.63	167.22	48.79	196.73	51.36	202.63	52.90	206.57	53.93	214.44	57.01		
	39.00	122.76	39.67	141.65	45.61	160.53	52.21	188.86	53.93	194.53	55.54	198.30	56.62	205.86	59.86		
	41.00	120.20	40.06	138.69	46.89	157.19	53.67	184.93	54.95	190.47	56.60	194.17	57.70	201.57	61.00		
	43.00	117.64	40.45	135.74	49.02	153.84	56.11	180.99	55.98	186.42	57.66	190.04	58.78	197.28	62.14		
46.00	102.30	44.30	118.04	52.86	133.78	60.50	157.38	63.69	162.11	65.60	165.25	66.87	171.55	70.69			
50.00	83.12	46.22	95.91	53.28	108.69	60.99	127.87	66.25	131.71	68.24	134.27	69.57	139.38	73.54			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT068S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	127.87	34.16	147.55	37.80	167.22	43.26	196.73	45.54	202.63	46.91	206.57	47.82	214.44	50.55
	0.00	127.87	34.16	147.55	37.80	167.22	43.26	196.73	45.54	202.63	46.91	206.57	47.82	214.44	50.55
	5.00	127.87	34.16	147.55	37.80	167.22	43.26	196.73	45.54	202.63	46.91	206.57	47.82	214.44	50.55
	10.00	126.63	34.16	146.12	37.80	165.60	43.26	194.82	45.54	200.66	46.91	204.56	47.82	212.35	50.55
	15.00	126.63	34.53	146.12	38.22	165.60	43.74	194.82	46.05	200.66	47.43	204.56	48.35	212.35	51.11
	20.00	130.36	34.16	150.41	37.80	170.47	43.26	200.55	45.54	206.57	46.91	210.58	47.82	218.60	50.55
	25.00	126.63	34.91	146.12	38.64	165.60	44.22	194.82	46.55	200.66	47.95	204.56	48.88	212.35	51.67
	30.00	127.87	36.05	147.55	39.90	167.22	45.67	196.73	48.07	202.63	49.51	206.57	50.47	214.44	53.36
	35.00	124.15	37.95	143.25	42.00	162.35	48.07	191.00	50.60	196.73	52.12	200.55	53.13	208.19	56.17
	39.00	119.18	39.09	137.52	44.94	155.86	51.43	183.36	53.13	188.86	54.72	192.53	55.79	199.86	58.97
	41.00	116.70	39.47	134.66	46.20	152.61	52.88	179.54	54.14	184.93	55.77	188.52	56.85	195.70	60.10
	43.00	114.22	39.85	131.79	48.30	149.36	55.28	175.72	55.15	180.99	56.81	184.51	57.91	191.53	61.22
46.00	99.32	43.64	114.60	52.08	129.88	59.61	152.80	62.74	157.38	64.63	160.44	65.88	166.55	69.65	
50.00	80.70	45.54	93.11	52.50	105.53	60.09	124.15	65.27	127.87	67.23	130.36	68.54	135.32	72.45	
90%	-5.00	115.09	28.35	132.79	31.37	150.50	35.91	177.06	37.80	182.37	38.93	185.91	39.69	192.99	41.96
	0.00	115.09	28.35	132.79	31.37	150.50	35.91	177.06	37.80	182.37	38.93	185.91	39.69	192.99	41.96
	5.00	115.09	28.35	132.79	31.37	150.50	35.91	177.06	37.80	182.37	38.93	185.91	39.69	192.99	41.96
	10.00	113.97	28.35	131.50	31.37	149.04	35.91	175.34	37.80	180.60	38.93	184.10	39.69	191.12	41.96
	15.00	113.97	28.66	131.50	31.72	149.04	36.31	175.34	38.22	180.60	39.36	184.10	40.13	191.12	42.42
	20.00	117.32	28.35	135.37	31.37	153.42	35.91	180.50	37.80	185.91	38.93	189.52	39.69	196.74	41.96
	25.00	113.97	28.98	131.50	32.07	149.04	36.71	175.34	38.64	180.60	39.80	184.10	40.57	191.12	42.89
	30.00	115.09	29.92	132.79	33.12	150.50	37.90	177.06	39.90	182.37	41.10	185.91	41.89	192.99	44.29
	35.00	111.74	31.50	128.93	34.86	146.12	39.90	171.90	42.00	177.06	43.26	180.50	44.10	187.37	46.62
	39.00	107.27	32.44	123.77	37.30	140.27	42.69	165.02	44.10	169.97	45.42	173.28	46.30	179.88	48.95
	41.00	105.03	32.76	121.19	38.34	137.35	43.89	161.59	44.94	166.43	46.29	169.67	47.18	176.13	49.88
	43.00	102.80	33.07	118.61	40.09	134.43	45.88	158.15	45.78	162.89	47.15	166.06	48.07	172.38	50.81
46.00	95.60	34.91	110.31	41.66	125.02	47.69	147.08	50.20	151.49	51.70	154.43	52.70	160.31	55.72	
50.00	90.46	37.80	104.38	43.57	118.29	49.87	139.17	54.18	143.35	55.80	146.13	56.89	151.70	60.14	
80%	-5.00	102.30	24.25	118.04	26.84	133.78	30.72	157.38	32.33	162.11	33.30	165.25	33.95	171.55	35.89
	0.00	102.30	24.25	118.04	26.84	133.78	30.72	157.38	32.33	162.11	33.30	165.25	33.95	171.55	35.89
	5.00	102.30	24.25	118.04	26.84	133.78	30.72	157.38	32.33	162.11	33.30	165.25	33.95	171.55	35.89
	10.00	101.31	24.25	116.89	26.84	132.48	30.72	155.86	32.33	160.53	33.30	163.65	33.95	169.88	35.89
	15.00	101.31	24.52	116.89	27.13	132.48	31.06	155.86	32.69	160.53	33.67	163.65	34.33	169.88	36.29
	20.00	104.29	24.25	120.33	26.84	136.37	30.72	160.44	32.33	165.25	33.30	168.46	33.95	174.88	35.89
	25.00	101.31	24.79	116.89	27.43	132.48	31.40	155.86	33.05	160.53	34.04	163.65	34.70	169.88	36.69
	30.00	104.86	25.60	120.99	28.33	137.12	32.42	161.32	34.13	166.16	35.15	169.38	35.84	175.84	37.88
	35.00	101.80	26.94	117.47	29.82	133.13	34.13	156.62	35.93	161.32	37.00	164.45	37.72	170.72	39.88
	39.00	97.73	27.75	112.77	31.91	127.80	36.52	150.36	37.72	154.87	38.85	157.87	39.61	163.89	41.87
	41.00	95.69	28.02	110.42	32.80	125.14	37.54	147.22	38.44	151.64	39.59	154.58	40.36	160.47	42.67
	43.00	93.66	28.29	108.07	34.29	122.48	39.25	144.09	39.16	148.41	40.33	151.29	41.12	157.06	43.47
46.00	88.39	30.99	101.99	36.98	115.59	42.32	135.99	44.55	140.07	45.88	142.79	46.78	148.23	49.45	
50.00	75.05	32.33	86.59	37.27	98.14	42.66	115.46	46.34	118.92	47.73	121.23	48.66	125.85	51.44	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT068S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	92.07	20.49	106.23	22.68	120.40	25.96	141.65	27.32	145.89	28.14	148.73	28.69	154.39	30.33		
	0.00	92.07	20.49	106.23	22.68	120.40	25.96	141.65	27.32	145.89	28.14	148.73	28.69	154.39	30.33		
	5.00	92.07	20.49	106.23	22.68	120.40	25.96	141.65	27.32	145.89	28.14	148.73	28.69	154.39	30.33		
	10.00	91.18	20.49	105.20	22.68	119.23	25.96	140.27	27.32	144.48	28.14	147.28	28.69	152.89	30.33		
	15.00	91.18	20.72	105.20	22.93	119.23	26.25	140.27	27.63	144.48	28.46	147.28	29.01	152.89	30.67		
	20.00	93.86	20.49	108.30	22.68	122.74	25.96	144.40	27.32	148.73	28.14	151.62	28.69	157.39	30.33		
	25.00	91.18	20.95	105.20	23.18	119.23	26.53	140.27	27.93	144.48	28.77	147.28	29.33	152.89	31.00		
	30.00	92.07	21.63	106.23	23.94	120.40	27.40	141.65	28.84	145.89	29.71	148.73	30.28	154.39	32.01		
	35.00	89.39	22.77	103.14	25.20	116.89	28.84	137.52	30.36	141.65	31.27	144.40	31.88	149.90	33.70		
	39.00	85.81	23.45	99.01	26.96	112.22	30.86	132.02	31.88	135.98	32.83	138.62	33.47	143.90	35.38		
	41.00	84.02	23.68	96.95	27.72	109.88	31.73	129.27	32.49	133.15	33.46	135.73	34.11	140.90	36.06		
	43.00	82.24	23.91	94.89	28.98	107.54	33.17	126.52	33.09	130.31	34.09	132.84	34.75	137.91	36.73		
	46.00	77.47	24.88	89.39	29.68	101.31	33.98	119.18	35.76	122.76	36.84	125.14	37.55	129.91	39.70		
50.00	62.94	25.96	72.63	29.92	82.31	34.25	96.84	37.21	99.74	38.32	101.68	39.07	105.55	41.30			
60%	-5.00	79.28	16.74	91.48	18.52	103.68	21.20	121.97	22.31	125.63	22.98	128.07	23.43	132.95	24.77		
	0.00	79.28	16.74	91.48	18.52	103.68	21.20	121.97	22.31	125.63	22.98	128.07	23.43	132.95	24.77		
	5.00	79.28	16.74	91.48	18.52	103.68	21.20	121.97	22.31	125.63	22.98	128.07	23.43	132.95	24.77		
	10.00	78.51	16.74	90.59	18.52	102.67	21.20	120.79	22.31	124.41	22.98	126.83	23.43	131.66	24.77		
	15.00	78.51	16.92	90.59	18.73	102.67	21.43	120.79	22.56	124.41	23.24	126.83	23.69	131.66	25.04		
	20.00	80.82	16.74	93.26	18.52	105.69	21.20	124.34	22.31	128.07	22.98	130.56	23.43	135.53	24.77		
	25.00	78.51	17.11	90.59	18.93	102.67	21.67	120.79	22.81	124.41	23.49	126.83	23.95	131.66	25.32		
	30.00	79.28	17.67	91.48	19.55	103.68	22.38	121.97	23.55	125.63	24.26	128.07	24.73	132.95	26.15		
	35.00	76.97	18.60	88.82	20.58	100.66	23.55	118.42	24.79	121.97	25.54	124.34	26.03	129.08	27.52		
	39.00	73.89	19.15	85.26	22.02	96.63	25.20	113.68	26.03	117.09	26.81	119.37	27.34	123.91	28.90		
	41.00	72.35	19.34	83.49	22.64	94.62	25.91	111.31	26.53	114.65	27.33	116.88	27.86	121.33	29.45		
	43.00	70.82	19.53	81.71	23.67	92.60	27.09	108.95	27.03	112.21	27.84	114.39	28.38	118.75	30.00		
	46.00	68.53	21.38	79.07	25.52	89.62	29.21	105.43	30.74	108.59	31.67	110.70	32.28	114.92	34.13		
50.00	55.68	22.31	64.25	25.72	72.81	29.44	85.66	31.98	88.23	32.94	89.95	33.58	93.37	35.50			
50%	-5.00	63.94	13.66	73.77	15.12	83.61	17.31	98.37	18.22	101.32	18.76	103.28	19.13	107.22	20.22		
	0.00	63.94	13.66	73.77	15.12	83.61	17.31	98.37	18.22	101.32	18.76	103.28	19.13	107.22	20.22		
	5.00	63.94	13.66	73.77	15.12	83.61	17.31	98.37	18.22	101.32	18.76	103.28	19.13	107.22	20.22		
	10.00	63.32	13.66	73.06	15.12	82.80	17.31	97.41	18.22	100.33	18.76	102.28	19.13	106.18	20.22		
	15.00	63.32	13.81	73.06	15.29	82.80	17.50	97.41	18.42	100.33	18.97	102.28	19.34	106.18	20.44		
	20.00	65.18	13.66	75.21	15.12	85.23	17.31	100.28	18.22	103.28	18.76	105.29	19.13	109.30	20.22		
	25.00	63.32	13.97	73.06	15.46	82.80	17.69	97.41	18.62	100.33	19.18	102.28	19.55	106.18	20.67		
	30.00	63.94	14.42	73.77	15.96	83.61	18.27	98.37	19.23	101.32	19.80	103.28	20.19	107.22	21.34		
	35.00	62.08	15.18	71.63	16.80	81.18	19.23	95.50	20.24	98.37	20.85	100.28	21.25	104.10	22.47		
	39.00	59.59	15.64	68.76	17.98	77.93	20.57	91.68	21.25	94.43	21.89	96.26	22.31	99.93	23.59		
	41.00	58.35	15.79	67.33	18.48	76.30	21.15	89.77	21.66	92.46	22.31	94.26	22.74	97.85	24.04		
	43.00	57.11	15.94	65.90	19.32	74.68	22.11	87.86	22.06	90.50	22.72	92.25	23.16	95.77	24.49		
	46.00	54.25	16.58	62.60	19.79	70.95	22.65	83.47	23.84	85.97	24.56	87.64	25.03	90.98	26.47		
50.00	52.54	17.31	60.62	19.95	68.71	22.83	80.83	24.80	83.26	25.55	84.87	26.04	88.11	27.53			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

		38VT070S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	141.48	35.60	163.25	39.39	185.02	45.09	217.66	47.46	224.19	48.88	228.55	49.83	237.25	52.68
	0.00	141.48	35.60	163.25	39.39	185.02	45.09	217.66	47.46	224.19	48.88	228.55	49.83	237.25	52.68
	5.00	141.48	35.60	163.25	39.39	185.02	45.09	217.66	47.46	224.19	48.88	228.55	49.83	237.25	52.68
	10.00	140.11	35.60	161.66	39.39	183.22	45.09	215.55	47.46	222.02	48.88	226.33	49.83	234.95	52.68
	15.00	140.11	35.99	161.66	39.83	183.22	45.59	215.55	47.99	222.02	49.43	226.33	50.39	234.95	53.27
	20.00	144.23	35.60	166.42	39.39	188.61	13.29	221.89	13.29	228.55	13.29	232.99	13.29	241.86	52.68
	25.00	140.11	36.39	161.66	40.27	183.22	46.09	215.55	48.52	222.02	49.97	226.33	50.94	234.95	53.85
	30.00	141.48	37.57	163.25	41.58	185.02	47.59	217.66	50.10	224.19	51.60	228.55	52.60	237.25	55.61
	35.00	137.36	39.55	158.49	43.77	179.63	50.10	211.33	52.73	217.66	54.32	221.89	55.37	230.34	58.53
	39.00	131.87	40.74	152.15	46.83	172.44	53.60	202.87	55.37	208.96	57.03	213.02	58.14	221.13	61.46
	41.00	129.12	41.54	148.98	48.62	168.85	55.65	198.65	56.98	204.60	58.69	208.58	59.83	216.52	63.25
	43.00	126.37	41.94	145.81	50.83	165.26	58.18	194.42	58.04	200.25	59.78	204.14	60.95	211.92	64.43
46.00	109.89	45.93	126.80	54.81	143.70	62.73	169.06	66.03	174.13	68.01	177.51	69.33	184.28	73.29	
50.00	89.28	47.93	103.02	55.25	116.76	63.24	137.36	68.69	141.48	70.75	144.23	72.13	149.72	76.25	
120%	-5.00	138.84	35.60	160.20	39.39	181.56	45.09	213.60	47.46	220.00	48.88	224.28	49.83	232.82	52.68
	0.00	138.84	35.60	160.20	39.39	181.56	45.09	213.60	47.46	220.00	48.88	224.28	49.83	232.82	52.68
	5.00	138.84	35.60	160.20	39.39	181.56	45.09	213.60	47.46	220.00	48.88	224.28	49.83	232.82	52.68
	10.00	137.49	35.60	158.64	39.39	179.79	45.09	211.52	47.46	217.87	48.88	222.10	49.83	230.56	52.68
	15.00	137.49	35.99	158.64	39.83	179.79	45.59	211.52	47.99	217.87	49.43	222.10	50.39	230.56	53.27
	20.00	141.53	35.60	163.31	39.39	185.08	45.09	217.74	47.46	224.28	48.88	228.63	49.83	237.34	52.68
	25.00	137.49	36.39	158.64	40.27	179.79	46.09	211.52	48.52	217.87	49.97	222.10	50.94	230.56	53.85
	30.00	138.84	37.57	160.20	41.58	181.56	47.59	213.60	50.10	220.00	51.60	224.28	52.60	232.82	55.61
	35.00	134.79	39.55	155.53	43.77	176.27	50.10	207.38	52.73	213.60	54.32	217.74	55.37	226.04	58.53
	39.00	129.40	40.54	149.31	46.61	169.22	53.35	199.08	55.10	205.05	12.06	209.03	20.51	217.00	61.17
	41.00	126.71	40.93	146.20	47.91	165.69	54.84	194.93	56.15	200.78	57.84	204.68	58.96	212.48	62.33
	43.00	124.01	41.33	143.09	50.09	162.17	57.34	190.79	57.20	196.51	58.92	200.32	60.06	207.96	63.50
46.00	107.84	45.26	124.43	54.01	141.02	61.82	165.90	65.08	170.88	67.03	174.20	68.33	180.83	72.23	
50.00	87.62	47.23	101.10	54.45	114.57	62.32	134.79	67.70	138.84	69.73	141.53	71.09	146.93	75.15	
110%	-5.00	136.19	35.42	157.15	39.20	178.10	44.87	209.53	47.23	215.81	48.64	220.00	49.59	228.39	52.42
	0.00	136.19	35.42	157.15	39.20	178.10	44.87	209.53	47.23	215.81	48.64	220.00	49.59	228.39	52.42
	5.00	136.19	35.42	157.15	39.20	178.10	44.87	209.53	47.23	215.81	48.64	220.00	49.59	228.39	52.42
	10.00	134.87	35.42	155.62	39.20	176.37	44.87	207.49	47.23	213.72	48.64	217.87	49.59	226.17	52.42
	15.00	134.87	35.81	155.62	39.63	176.37	45.37	207.49	47.75	213.72	49.19	217.87	50.14	226.17	53.01
	20.00	138.84	35.42	160.20	39.20	181.56	44.87	213.60	47.23	220.00	48.64	224.28	49.59	232.82	52.42
	25.00	134.87	36.21	155.62	40.07	176.37	45.86	207.49	48.28	213.72	49.73	217.87	50.69	226.17	53.59
	30.00	136.19	37.39	157.15	41.38	178.10	47.36	209.53	49.85	215.81	51.35	220.00	52.34	228.39	55.34
	35.00	132.23	39.36	152.57	43.55	172.91	49.85	203.43	52.48	209.53	54.05	213.60	55.10	221.73	58.25
	39.00	126.94	40.54	146.47	46.60	165.99	53.34	195.29	55.10	201.15	56.75	205.05	57.85	212.86	61.16
	41.00	124.29	40.93	143.41	47.91	162.54	54.84	191.22	56.15	196.96	57.83	200.78	58.96	208.43	62.33
	43.00	121.65	41.32	140.36	50.09	159.08	57.33	187.15	57.20	192.77	58.91	196.51	60.06	203.99	63.49
46.00	105.78	45.26	122.06	54.01	138.33	61.82	162.74	65.07	167.62	67.02	170.88	68.32	177.39	72.23	
50.00	85.95	47.23	99.17	54.44	112.39	62.31	132.23	67.69	136.19	69.72	138.84	71.08	144.13	75.14	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT070S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW		kW		kW		kW		kW		kW		kW			
100%	-5.00	132.23	34.90	152.57	38.62	172.91	44.20	203.43	46.53	209.53	47.93	213.60	48.86	221.73	51.65		
	0.00	132.23	34.90	152.57	38.62	172.91	44.20	203.43	46.53	209.53	47.93	213.60	48.86	221.73	51.65		
	5.00	132.23	34.90	152.57	38.62	172.91	44.20	203.43	46.53	209.53	47.93	213.60	48.86	221.73	51.65		
	10.00	130.94	34.90	151.09	38.62	171.23	44.20	201.45	46.53	207.49	47.93	211.52	48.86	219.58	51.65		
	15.00	130.94	35.29	151.09	39.05	171.23	44.69	201.45	47.05	207.49	48.46	211.52	49.40	219.58	52.22		
	20.00	134.79	34.90	155.53	38.62	176.27	44.20	207.38	46.53	213.60	47.93	217.74	48.86	226.04	51.65		
	25.00	130.94	35.67	151.09	39.48	171.23	45.19	201.45	47.56	207.49	48.99	211.52	49.94	219.58	52.80		
	30.00	132.23	36.84	152.57	40.77	172.91	46.66	203.43	49.12	209.53	50.59	213.60	51.57	221.73	54.52		
	35.00	128.38	38.78	148.13	42.91	167.88	49.12	197.50	51.70	203.43	53.25	207.38	54.29	215.28	57.39		
	39.00	123.24	39.94	142.20	45.91	161.16	52.55	189.60	54.29	195.29	55.91	199.08	57.00	206.66	60.26		
	41.00	120.67	40.33	139.24	47.20	157.80	54.03	185.65	55.32	191.22	56.98	194.93	58.08	202.36	61.40		
	43.00	118.11	40.71	136.28	49.35	154.45	56.48	181.70	56.35	187.15	58.04	190.79	59.17	198.05	62.55		
	46.00	102.70	44.59	118.50	53.21	134.30	60.90	158.00	64.11	162.74	66.03	165.90	67.31	172.22	71.16		
50.00	83.44	46.53	96.28	53.64	109.12	61.39	128.38	66.69	132.23	68.69	134.79	70.03	139.93	74.03			
90%	-5.00	119.00	28.96	137.31	32.05	155.62	36.69	183.08	38.62	188.57	39.78	192.24	40.55	199.56	42.87		
	0.00	119.00	28.96	137.31	32.05	155.62	36.69	183.08	38.62	188.57	39.78	192.24	40.55	199.56	42.87		
	5.00	119.00	28.96	137.31	32.05	155.62	36.69	183.08	38.62	188.57	39.78	192.24	40.55	199.56	42.87		
	10.00	117.85	28.96	135.98	32.05	154.11	36.69	181.31	38.62	186.74	39.78	190.37	40.55	197.62	42.87		
	15.00	117.85	29.29	135.98	32.41	154.11	37.10	181.31	39.05	186.74	40.22	190.37	41.00	197.62	43.34		
	20.00	121.31	28.96	139.98	32.05	158.64	36.69	186.64	38.62	192.24	39.78	195.97	40.55	203.43	42.87		
	25.00	117.85	29.61	135.98	32.77	154.11	37.50	181.31	39.48	186.74	40.66	190.37	41.45	197.62	43.82		
	30.00	119.00	30.57	137.31	33.84	155.62	38.73	183.08	40.77	188.57	41.99	192.24	42.80	199.56	45.25		
	35.00	115.54	32.18	133.31	35.62	151.09	40.77	177.75	42.91	183.08	44.20	186.64	45.06	193.75	47.63		
	39.00	110.92	33.15	127.98	38.11	145.04	43.62	170.64	45.06	175.76	46.41	179.17	47.31	186.00	50.01		
	41.00	108.61	33.47	125.31	39.18	142.02	44.84	167.09	45.91	172.10	47.29	175.44	48.21	182.12	50.97		
	43.00	106.29	33.79	122.65	40.96	139.00	46.88	163.53	46.77	168.44	48.18	171.71	49.11	178.25	51.92		
	46.00	98.85	35.67	114.06	42.57	129.27	48.72	152.08	51.29	156.65	52.82	159.69	53.85	165.77	56.93		
50.00	93.54	38.62	107.93	44.52	122.32	50.96	143.91	55.36	148.22	57.02	151.10	58.12	156.86	61.44			
80%	-5.00	105.78	24.78	122.06	27.42	138.33	31.38	162.74	33.04	167.62	34.03	170.88	34.69	177.39	36.67		
	0.00	105.78	24.78	122.06	27.42	138.33	31.38	162.74	33.04	167.62	34.03	170.88	34.69	177.39	36.67		
	5.00	105.78	24.78	122.06	27.42	138.33	31.38	162.74	33.04	167.62	34.03	170.88	34.69	177.39	36.67		
	10.00	104.75	24.78	120.87	27.42	136.99	31.38	161.16	33.04	165.99	34.03	169.22	34.69	175.66	36.67		
	15.00	104.75	25.05	120.87	27.72	136.99	31.73	161.16	33.40	165.99	34.41	169.22	35.07	175.66	37.08		
	20.00	107.84	24.78	124.43	27.42	141.02	31.38	165.90	33.04	170.88	34.03	174.20	34.69	180.83	36.67		
	25.00	104.75	25.33	120.87	28.03	136.99	32.08	161.16	33.77	165.99	34.78	169.22	35.46	175.66	37.49		
	30.00	108.43	26.15	125.11	28.94	141.79	33.13	166.81	34.87	171.81	35.92	175.15	36.62	181.82	38.71		
	35.00	105.27	27.53	121.46	30.47	137.66	34.87	161.95	36.71	166.81	37.81	170.05	38.54	176.53	40.74		
	39.00	101.06	28.36	116.60	32.60	132.15	37.31	155.47	38.54	160.14	39.70	163.25	40.47	169.46	42.78		
	41.00	98.95	28.63	114.17	33.51	129.40	38.36	152.23	39.28	156.80	40.45	159.84	41.24	165.93	43.60		
	43.00	96.85	28.91	111.75	35.04	126.64	40.10	148.99	40.01	153.46	41.21	156.44	42.01	162.40	44.41		
	46.00	91.40	31.66	105.47	37.78	119.53	43.24	140.62	45.52	144.84	46.88	147.65	47.79	153.28	50.52		
50.00	77.60	33.04	89.54	38.08	101.48	43.59	119.39	47.35	122.97	48.77	125.36	49.72	130.13	52.56			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT070S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	95.20	20.94	109.85	23.17	124.50	26.52	146.47	27.92	150.86	28.76	153.79	29.31	159.65	30.99		
	0.00	95.20	20.94	109.85	23.17	124.50	26.52	146.47	27.92	150.86	28.76	153.79	29.31	159.65	30.99		
	5.00	95.20	20.94	109.85	23.17	124.50	26.52	146.47	27.92	150.86	28.76	153.79	29.31	159.65	30.99		
	10.00	94.28	20.94	108.78	23.17	123.29	26.52	145.04	27.92	149.40	28.76	152.30	29.31	158.10	30.99		
	15.00	94.28	21.17	108.78	23.43	123.29	26.82	145.04	28.23	149.40	29.08	152.30	29.64	158.10	31.33		
	20.00	97.05	20.94	111.98	23.17	126.91	26.52	149.31	27.92	153.79	28.76	156.78	29.31	162.75	30.99		
	25.00	94.28	21.40	108.78	23.69	123.29	27.11	145.04	28.54	149.40	29.39	152.30	29.97	158.10	31.68		
	30.00	95.20	22.10	109.85	24.46	124.50	28.00	146.47	29.47	150.86	30.35	153.79	30.94	159.65	32.71		
	35.00	92.43	23.27	106.65	25.75	120.87	29.47	142.20	31.02	146.47	31.95	149.31	32.57	155.00	34.43		
	39.00	88.73	23.96	102.38	27.55	116.04	31.53	136.51	32.57	140.61	33.55	143.34	34.20	148.80	36.15		
	41.00	86.88	24.20	100.25	28.32	113.62	32.42	133.67	33.19	137.68	34.19	140.35	34.85	145.70	36.84		
	43.00	85.04	24.43	98.12	29.61	111.20	33.89	130.82	33.81	134.75	34.83	137.37	35.50	142.60	37.53		
	46.00	80.11	25.42	92.43	30.33	104.75	34.71	123.24	36.54	126.94	37.64	129.40	38.37	134.33	40.56		
50.00	65.09	26.52	75.10	30.57	85.11	34.99	100.13	38.02	103.14	39.16	105.14	39.92	109.14	42.20			
60%	-5.00	81.98	17.10	94.59	18.92	107.20	21.66	126.12	22.80	129.91	23.48	132.43	23.94	137.47	25.31		
	0.00	81.98	17.10	94.59	18.92	107.20	21.66	126.12	22.80	129.91	23.48	132.43	23.94	137.47	25.31		
	5.00	81.98	17.10	94.59	18.92	107.20	21.66	126.12	22.80	129.91	23.48	132.43	23.94	137.47	25.31		
	10.00	81.18	17.10	93.67	18.92	106.16	21.66	124.90	22.80	128.65	23.48	131.14	23.94	136.14	25.31		
	15.00	81.18	17.29	93.67	19.13	106.16	21.90	124.90	23.05	128.65	23.74	131.14	24.21	136.14	25.59		
	20.00	83.57	17.10	96.43	18.92	109.29	21.66	128.57	22.80	132.43	23.48	135.00	23.94	140.14	25.31		
	25.00	81.18	17.48	93.67	19.34	106.16	22.14	124.90	23.31	128.65	24.01	131.14	24.47	136.14	25.87		
	30.00	81.98	18.05	94.59	19.98	107.20	22.86	126.12	24.07	129.91	24.79	132.43	25.27	137.47	26.71		
	35.00	79.59	19.00	91.84	21.03	104.08	24.07	122.45	25.33	126.12	26.09	128.57	26.60	133.47	28.12		
	39.00	76.41	19.57	88.16	22.50	99.92	25.75	117.55	26.60	121.08	27.40	123.43	27.93	128.13	29.53		
	41.00	74.82	19.76	86.33	23.13	97.84	26.47	115.10	27.11	118.56	27.92	120.86	28.46	125.46	30.09		
	43.00	73.23	19.95	84.49	24.18	95.76	27.68	112.65	27.61	116.03	28.44	118.29	28.99	122.79	30.65		
	46.00	70.86	21.85	81.77	26.07	92.67	29.84	109.02	31.41	112.29	32.36	114.47	32.98	118.83	34.87		
50.00	57.58	22.80	66.43	26.28	75.29	30.08	88.58	32.68	91.24	33.66	93.01	34.31	96.55	36.27			
50%	-5.00	66.11	13.96	76.28	15.45	86.46	17.68	101.71	18.61	104.76	19.17	106.80	19.54	110.87	20.66		
	0.00	66.11	13.96	76.28	15.45	86.46	17.68	101.71	18.61	104.76	19.17	106.80	19.54	110.87	20.66		
	5.00	66.11	13.96	76.28	15.45	86.46	17.68	101.71	18.61	104.76	19.17	106.80	19.54	110.87	20.66		
	10.00	65.47	13.96	75.54	15.45	85.62	17.68	100.73	18.61	103.75	19.17	105.76	19.54	109.79	20.66		
	15.00	65.47	14.11	75.54	15.62	85.62	17.88	100.73	18.82	103.75	19.38	105.76	19.76	109.79	20.89		
	20.00	67.40	13.96	77.77	15.45	88.13	17.68	103.69	18.61	106.80	19.17	108.87	19.54	113.02	20.66		
	25.00	65.47	14.27	75.54	15.79	85.62	18.07	100.73	19.03	103.75	19.60	105.76	19.98	109.79	21.12		
	30.00	66.11	14.73	76.28	16.31	86.46	18.66	101.71	19.65	104.76	20.24	106.80	20.63	110.87	21.81		
	35.00	64.19	15.51	74.06	17.16	83.94	19.65	98.75	20.68	101.71	21.30	103.69	21.71	107.64	22.95		
	39.00	61.62	15.98	71.10	18.37	80.58	21.02	94.80	21.71	97.64	22.37	99.54	22.80	103.33	24.10		
	41.00	60.34	16.13	69.62	18.88	78.90	21.61	92.83	22.13	95.61	22.79	97.47	23.23	101.18	24.56		
	43.00	59.05	16.29	68.14	19.74	77.22	22.59	90.85	22.54	93.58	23.22	95.39	23.67	99.03	25.02		
	46.00	56.10	16.94	64.73	20.22	73.36	23.14	86.31	24.36	88.90	25.09	90.62	25.58	94.08	27.04		
50.00	54.33	17.68	62.69	20.38	71.04	23.33	83.58	25.34	86.09	26.10	87.76	26.61	91.10	28.13			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT072S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	146.14	36.35	168.62	40.23	191.10	46.05	224.83	48.47	231.57	49.92	236.07	50.89	245.06	53.80
	0.00	146.14	36.35	168.62	40.23	191.10	46.05	224.83	48.47	231.57	49.92	236.07	50.89	245.06	53.80
	5.00	146.14	36.35	168.62	40.23	191.10	46.05	224.83	48.47	231.57	49.92	236.07	50.89	245.06	53.80
	10.00	144.72	36.35	166.98	40.23	189.25	46.05	222.65	48.47	229.32	49.92	233.78	50.89	242.68	53.80
	15.00	144.72	36.76	166.98	40.68	189.25	46.56	222.65	49.01	229.32	50.48	233.78	51.46	242.68	54.40
	20.00	148.98	36.35	171.90	40.23	194.81	13.29	229.19	13.29	236.07	13.29	240.65	13.29	249.82	53.80
	25.00	144.72	37.16	166.98	41.12	189.25	47.07	222.65	49.55	229.32	51.03	233.78	52.02	242.68	55.00
	30.00	146.14	38.37	168.62	42.47	191.10	48.61	224.83	51.16	231.57	52.70	236.07	53.72	245.06	56.79
	35.00	141.88	40.39	163.71	44.70	185.54	51.16	218.28	53.86	224.83	55.47	229.19	56.55	237.93	59.78
	39.00	136.21	41.60	157.16	47.83	178.12	54.74	209.55	56.55	215.84	58.25	220.03	59.38	228.41	62.77
	41.00	133.37	42.42	153.89	49.65	174.41	56.83	205.18	58.19	211.34	59.94	215.44	61.10	223.65	64.59
	43.00	130.53	42.83	150.61	51.91	170.69	59.41	200.82	59.28	206.84	61.06	210.86	62.24	218.89	65.80
46.00	113.51	46.91	130.97	55.97	148.43	64.06	174.62	67.44	179.86	69.46	183.36	70.81	190.34	74.85	
50.00	92.22	48.95	106.41	56.42	120.60	64.58	141.88	70.16	146.14	72.26	148.98	73.66	154.65	77.87	
120%	-5.00	143.41	36.35	165.47	40.23	187.53	46.05	220.63	48.47	227.24	49.92	231.66	50.89	240.48	53.80
	0.00	143.41	36.35	165.47	40.23	187.53	46.05	220.63	48.47	227.24	49.92	231.66	50.89	240.48	53.80
	5.00	143.41	36.35	165.47	40.23	187.53	46.05	220.63	48.47	227.24	49.92	231.66	50.89	240.48	53.80
	10.00	142.01	36.35	163.86	40.23	185.71	46.05	218.48	48.47	225.04	49.92	229.41	50.89	238.15	53.80
	15.00	142.01	36.76	163.86	40.68	185.71	46.56	218.48	49.01	225.04	50.48	229.41	51.46	238.15	54.40
	20.00	146.19	36.35	168.68	40.23	191.17	46.05	224.91	48.47	231.66	49.92	236.16	50.89	245.15	53.80
	25.00	142.01	37.16	163.86	41.12	185.71	47.07	218.48	49.55	225.04	51.03	229.41	52.02	238.15	55.00
	30.00	143.41	38.37	165.47	42.47	187.53	48.61	220.63	51.16	227.24	52.70	231.66	53.72	240.48	56.79
	35.00	139.23	40.39	160.65	44.70	182.07	51.16	214.20	53.86	220.63	55.47	224.91	56.55	233.48	59.78
	39.00	133.66	41.40	154.22	47.60	174.79	54.48	205.63	56.28	211.80	58.25	215.91	60.22	219.47	62.47
	41.00	130.88	41.81	151.01	48.93	171.15	56.01	201.35	57.35	207.39	59.07	211.42	60.22	219.47	63.66
	43.00	128.09	42.21	147.80	51.16	167.50	58.56	197.06	58.42	202.98	60.17	206.92	61.34	214.80	64.85
46.00	111.38	46.23	128.52	55.16	145.66	63.14	171.36	66.46	176.50	68.45	179.93	69.78	186.78	73.77	
50.00	90.50	48.24	104.42	55.61	118.35	63.65	139.23	69.14	143.41	71.21	146.19	72.60	151.76	76.75	
110%	-5.00	140.68	36.17	162.32	40.03	183.96	45.82	216.42	48.23	222.92	49.68	227.24	50.64	235.90	53.54
	0.00	140.68	36.17	162.32	40.03	183.96	45.82	216.42	48.23	222.92	49.68	227.24	50.64	235.90	53.54
	5.00	140.68	36.17	162.32	40.03	183.96	45.82	216.42	48.23	222.92	49.68	227.24	50.64	235.90	53.54
	10.00	139.31	36.17	160.74	40.03	182.17	45.82	214.32	48.23	220.75	49.68	225.04	50.64	233.61	53.54
	15.00	139.31	36.58	160.74	40.48	182.17	46.33	214.32	48.77	220.75	50.23	225.04	51.21	233.61	54.13
	20.00	143.41	36.17	165.47	40.03	187.53	45.82	220.63	48.23	227.24	49.68	231.66	50.64	240.48	53.54
	25.00	139.31	36.98	160.74	40.92	182.17	46.84	214.32	49.30	220.75	50.78	225.04	51.77	233.61	54.73
	30.00	140.68	38.18	162.32	42.26	183.96	48.37	216.42	50.91	222.92	52.44	227.24	53.46	235.90	56.51
	35.00	136.58	40.19	157.59	44.48	178.60	50.91	210.12	53.59	216.42	55.20	220.63	56.27	229.03	59.49
	39.00	131.11	41.40	151.29	47.60	171.46	54.48	201.72	56.27	207.77	57.96	211.80	59.09	219.87	62.46
	41.00	128.38	41.80	148.13	48.93	167.89	56.00	197.51	57.34	203.44	59.06	207.39	60.21	215.29	63.65
	43.00	125.65	42.20	144.98	51.15	164.31	58.55	193.31	58.42	199.11	60.17	202.98	61.34	210.71	64.84
46.00	109.26	46.22	126.07	55.16	142.88	63.13	168.10	66.45	173.14	68.45	176.50	69.78	183.22	73.76	
50.00	88.78	48.23	102.43	55.60	116.09	63.64	136.58	69.13	140.68	71.21	143.41	72.59	148.87	76.74	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT072S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	136.58	35.64	157.59	39.44	178.60	45.14	210.12	47.52	216.42	48.95	220.63	49.90	229.03	52.75		
	0.00	136.58	35.64	157.59	39.44	178.60	45.14	210.12	47.52	216.42	48.95	220.63	49.90	229.03	52.75		
	5.00	136.58	35.64	157.59	39.44	178.60	45.14	210.12	47.52	216.42	48.95	220.63	49.90	229.03	52.75		
	10.00	135.25	35.64	156.06	39.44	178.60	45.14	208.08	47.52	214.32	48.95	218.48	49.90	226.81	52.75		
	15.00	135.25	36.04	156.06	39.88	176.87	45.65	208.08	48.05	214.32	49.49	218.48	50.45	226.81	53.33		
	20.00	139.23	35.64	160.65	39.44	182.07	45.14	214.20	47.52	220.63	48.95	224.91	49.90	233.48	52.75		
	25.00	135.25	36.43	156.06	40.32	176.87	46.15	208.08	48.58	214.32	50.03	218.48	51.00	226.81	53.92		
	30.00	136.58	37.62	157.59	41.63	178.60	47.65	210.12	50.16	216.42	51.66	220.63	52.67	229.03	55.68		
	35.00	132.60	39.60	153.00	43.82	173.40	50.16	204.00	52.80	210.12	54.38	214.20	55.44	222.36	58.61		
	39.00	127.30	40.79	146.88	46.89	166.46	53.67	195.84	55.44	201.72	57.10	205.63	58.21	213.47	61.54		
	41.00	124.64	41.18	143.82	48.21	163.00	55.18	191.76	56.50	197.51	58.19	201.35	59.32	209.02	62.71		
	43.00	121.99	41.58	140.76	50.40	159.53	57.68	187.68	57.55	193.31	59.28	197.06	60.43	204.57	63.88		
	46.00	106.08	45.54	122.40	54.34	138.72	62.20	163.20	65.47	168.10	67.44	171.36	68.75	177.89	72.67		
50.00	86.19	47.52	99.45	54.78	112.71	62.70	132.60	68.11	136.58	70.16	139.23	71.52	144.53	75.60			
90%	-5.00	122.92	29.58	141.83	32.74	160.74	37.47	189.11	39.44	194.78	40.62	198.56	41.41	206.13	43.78		
	0.00	122.92	29.58	141.83	32.74	160.74	37.47	189.11	39.44	194.78	40.62	198.56	41.41	206.13	43.78		
	5.00	122.92	29.58	141.83	32.74	160.74	37.47	189.11	39.44	194.78	40.62	198.56	41.41	206.13	43.78		
	10.00	121.73	29.58	140.45	32.74	159.18	37.47	187.27	39.44	192.89	40.62	196.64	41.41	204.13	43.78		
	15.00	121.73	29.91	140.45	33.10	159.18	37.89	187.27	39.88	192.89	41.08	196.64	41.87	204.13	44.27		
	20.00	125.31	29.58	144.58	32.74	163.86	37.47	192.78	39.44	198.56	40.62	202.42	41.41	210.13	43.78		
	25.00	121.73	30.24	140.45	33.46	159.18	38.30	187.27	40.32	192.89	41.53	196.64	42.33	204.13	44.75		
	30.00	122.92	31.22	141.83	34.56	160.74	39.55	189.11	41.63	194.78	42.88	198.56	43.71	206.13	46.21		
	35.00	119.34	32.87	137.70	36.37	156.06	41.63	183.60	43.82	189.11	45.14	192.78	46.02	200.12	48.64		
	39.00	114.57	33.85	132.19	38.92	149.82	44.55	176.26	46.02	181.54	47.40	185.07	48.32	192.12	51.08		
	41.00	112.18	34.18	129.44	40.01	146.70	45.80	172.58	46.89	177.76	48.30	181.21	49.24	188.12	52.05		
	43.00	109.79	34.51	126.68	41.83	143.58	47.88	168.91	47.77	173.98	49.20	177.36	50.16	184.11	53.02		
	46.00	102.11	36.43	117.82	43.47	133.52	49.76	157.09	52.38	161.80	53.95	164.94	55.00	171.23	58.14		
50.00	96.62	39.44	111.48	45.47	126.35	52.04	148.64	56.53	153.10	58.23	156.07	59.36	162.02	62.75			
80%	-5.00	109.26	25.30	126.07	28.00	142.88	32.05	168.10	33.74	173.14	34.75	176.50	35.43	183.22	37.45		
	0.00	109.26	25.30	126.07	28.00	142.88	32.05	168.10	33.74	173.14	34.75	176.50	35.43	183.22	37.45		
	5.00	109.26	25.30	126.07	28.00	142.88	32.05	168.10	33.74	173.14	34.75	176.50	35.43	183.22	37.45		
	10.00	108.20	25.30	124.85	28.00	141.49	32.05	166.46	33.74	171.46	34.75	174.79	35.43	181.45	37.45		
	15.00	108.20	25.59	124.85	28.31	141.49	32.41	166.46	34.11	171.46	35.14	174.79	35.82	181.45	37.87		
	20.00	111.38	25.30	128.52	28.00	145.66	32.05	171.36	33.74	176.50	34.75	179.93	35.43	186.78	37.45		
	25.00	108.20	25.87	124.85	28.63	141.49	32.76	166.46	34.49	171.46	35.52	174.79	36.21	181.45	38.28		
	30.00	111.99	26.71	129.22	29.56	146.45	33.83	172.30	35.61	177.47	36.68	180.91	37.39	187.81	39.53		
	35.00	108.73	28.12	125.46	31.12	142.19	35.61	167.28	37.49	172.30	38.61	175.64	39.36	182.34	41.61		
	39.00	104.38	28.96	120.44	33.29	136.50	38.11	160.59	39.36	165.41	40.54	168.62	41.33	175.04	43.69		
	41.00	102.21	29.24	117.93	34.23	133.66	39.17	157.24	40.11	161.96	41.32	165.11	42.12	171.40	44.52		
	43.00	100.03	29.52	115.42	35.78	130.81	40.96	153.90	40.86	158.51	42.09	161.59	42.91	167.75	45.36		
	46.00	94.41	32.33	108.94	38.58	123.46	44.16	145.25	46.49	149.61	47.88	152.51	48.81	158.32	51.60		
50.00	80.16	33.74	92.49	38.89	104.82	44.52	123.32	48.36	127.02	49.81	129.48	50.78	134.42	53.68			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT072S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	98.34	21.38	113.46	23.66	128.59	27.09	151.29	28.51	155.82	29.37	158.85	29.94	164.90	31.65		
	0.00	98.34	21.38	113.46	23.66	128.59	27.09	151.29	28.51	155.82	29.37	158.85	29.94	164.90	31.65		
	5.00	98.34	21.38	113.46	23.66	128.59	27.09	151.29	28.51	155.82	29.37	158.85	29.94	164.90	31.65		
	10.00	97.38	21.38	112.36	23.66	127.34	27.09	149.82	28.51	154.31	29.37	157.31	29.94	163.30	31.65		
	15.00	97.38	21.62	112.36	23.93	127.34	27.39	149.82	28.83	154.31	29.69	157.31	30.27	163.30	32.00		
	20.00	100.25	21.38	115.67	23.66	131.09	27.09	154.22	28.51	158.85	29.37	161.94	29.94	168.10	31.65		
	25.00	97.38	21.86	112.36	24.19	127.34	27.69	149.82	29.15	154.31	30.02	157.31	30.60	163.30	32.35		
	30.00	98.34	22.57	113.46	24.98	128.59	28.59	151.29	30.10	155.82	31.00	158.85	31.60	164.90	33.41		
	35.00	95.47	23.76	110.16	26.29	124.85	30.10	146.88	31.68	151.29	32.63	154.22	33.26	160.10	35.16		
	39.00	91.65	24.47	105.75	28.14	119.85	32.20	141.00	33.26	145.23	34.26	148.06	34.93	153.70	36.92		
	41.00	89.74	24.71	103.55	28.92	117.36	33.11	138.07	33.90	142.21	34.91	144.97	35.59	150.49	37.63		
	43.00	87.83	24.95	101.35	30.24	114.86	34.61	135.13	34.53	139.18	35.57	141.89	36.26	147.29	38.33		
46.00	82.74	25.96	95.47	30.97	108.20	35.45	127.30	37.32	131.11	38.44	133.66	39.18	138.75	41.42			
50.00	67.23	27.09	77.57	31.22	87.91	35.74	103.43	38.82	106.53	39.99	108.60	40.77	112.74	43.09			
60%	-5.00	84.68	17.46	97.71	19.33	110.73	22.12	130.27	23.28	134.18	23.98	136.79	24.45	142.00	25.85		
	0.00	84.68	17.46	97.71	19.33	110.73	22.12	130.27	23.28	134.18	23.98	136.79	24.45	142.00	25.85		
	5.00	84.68	17.46	97.71	19.33	110.73	22.12	130.27	23.28	134.18	23.98	136.79	24.45	142.00	25.85		
	10.00	83.86	17.46	96.76	19.33	109.66	22.12	129.01	23.28	132.88	23.98	135.46	24.45	140.62	25.85		
	15.00	83.86	17.66	96.76	19.54	109.66	22.37	129.01	23.54	132.88	24.25	135.46	24.72	140.62	26.13		
	20.00	86.32	17.46	99.60	19.33	112.88	22.12	132.80	23.28	136.79	23.98	139.44	24.45	144.76	25.85		
	25.00	83.86	17.85	96.76	19.76	109.66	22.61	129.01	23.80	132.88	24.52	135.46	24.99	140.62	26.42		
	30.00	84.68	18.43	97.71	20.40	110.73	23.35	130.27	24.58	134.18	25.32	136.79	25.81	142.00	27.28		
	35.00	82.21	19.40	94.86	21.47	107.51	24.58	126.48	25.87	130.27	26.65	132.80	27.17	137.86	28.72		
	39.00	78.92	19.99	91.07	22.98	103.21	26.30	121.42	27.17	125.06	27.98	127.49	28.52	132.35	30.15		
	41.00	77.28	20.18	89.17	23.62	101.06	27.04	118.89	27.68	122.46	28.51	124.84	29.07	129.59	30.73		
	43.00	75.64	20.37	87.27	24.69	98.91	28.27	116.36	28.20	119.85	29.05	122.18	29.61	126.83	31.30		
46.00	73.20	22.31	84.46	26.63	95.72	30.48	112.61	32.08	115.99	33.04	118.24	33.69	122.74	35.61			
50.00	59.47	23.28	68.62	26.84	77.77	30.72	91.49	33.37	94.24	34.38	96.07	35.04	99.73	37.05			
50%	-5.00	68.29	14.26	78.79	15.78	89.30	18.06	105.06	19.01	108.21	19.58	110.31	19.96	114.52	21.10		
	0.00	68.29	14.26	78.79	15.78	89.30	18.06	105.06	19.01	108.21	19.58	110.31	19.96	114.52	21.10		
	5.00	68.29	14.26	78.79	15.78	89.30	18.06	105.06	19.01	108.21	19.58	110.31	19.96	114.52	21.10		
	10.00	67.63	14.26	78.03	15.78	88.43	18.06	104.04	19.01	107.16	19.58	109.24	19.96	113.40	21.10		
	15.00	67.63	14.41	78.03	15.95	88.43	18.26	104.04	19.22	107.16	19.80	109.24	20.18	113.40	21.33		
	20.00	69.61	14.26	80.32	15.78	91.03	18.06	107.10	19.01	110.31	19.58	112.45	19.96	116.74	21.10		
	25.00	67.63	14.57	78.03	16.13	88.43	18.46	104.04	19.43	107.16	20.01	109.24	20.40	113.40	21.57		
	30.00	68.29	15.05	78.79	16.65	89.30	19.06	105.06	20.06	108.21	20.67	110.31	21.07	114.52	22.27		
	35.00	66.30	15.84	76.50	17.53	86.70	20.06	102.00	21.12	105.06	21.75	107.10	22.18	111.18	23.44		
	39.00	63.65	16.32	73.44	18.76	83.23	21.47	97.92	22.18	100.86	22.84	102.82	23.28	106.73	24.62		
	41.00	62.32	16.47	71.91	19.28	81.50	22.07	95.88	22.60	98.76	23.28	100.67	23.73	104.51	25.08		
	43.00	61.00	16.63	70.38	20.16	79.76	23.07	93.84	23.02	96.66	23.71	98.53	24.17	102.29	25.55		
46.00	57.95	17.31	66.86	20.65	75.78	23.64	89.15	24.88	91.82	25.63	93.61	26.12	97.17	27.62			
50.00	56.12	18.06	64.75	20.82	73.38	23.83	86.33	25.88	88.92	26.66	90.65	27.18	94.10	28.73			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

		38VT074S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	150.08	36.83	173.17	41.14	196.26	47.09	230.89	49.57	237.82	51.06	242.43	52.05	251.67	55.02
	0.00	150.08	36.83	173.17	41.14	196.26	47.09	230.89	49.57	237.82	51.06	242.43	52.05	251.67	55.02
	5.00	150.08	36.83	173.17	41.14	196.26	47.09	230.89	49.57	237.82	51.06	242.43	52.05	251.67	55.02
	10.00	148.62	36.83	171.49	41.14	194.35	47.09	228.65	49.57	235.51	51.06	240.08	52.05	249.23	55.02
	15.00	148.62	37.24	171.49	41.60	194.35	47.62	228.65	50.12	235.51	51.63	240.08	52.63	249.23	55.64
	20.00	152.99	36.83	176.53	41.14	200.07	13.29	235.37	13.29	242.43	13.29	247.14	13.29	256.56	55.02
	25.00	148.62	37.65	171.49	42.06	194.35	48.14	228.65	50.67	235.51	52.19	240.08	53.21	249.23	56.25
	30.00	150.08	38.88	173.17	43.43	196.26	49.71	230.89	52.33	237.82	53.90	242.43	54.94	251.67	58.08
	35.00	145.71	40.93	168.12	45.72	190.54	52.33	224.16	55.08	230.89	56.73	235.37	57.83	244.34	61.14
	39.00	139.88	42.15	161.40	48.92	182.92	55.99	215.20	57.83	221.65	59.57	225.96	60.73	234.57	64.20
	41.00	136.96	42.98	158.04	50.78	179.11	58.12	210.72	59.51	217.04	61.30	221.25	62.49	229.68	66.06
	43.00	134.05	43.39	154.67	53.09	175.30	60.76	206.23	60.63	212.42	62.44	216.54	63.66	224.79	67.29
	46.00	116.57	47.53	134.50	57.24	152.43	65.52	179.33	68.97	184.71	71.04	188.30	72.42	195.47	76.56
50.00	94.71	49.59	109.28	57.71	123.85	66.05	145.71	71.75	150.08	73.90	152.99	75.34	158.82	79.64	
120%	-5.00	147.27	36.83	169.93	41.14	192.59	47.09	226.57	49.57	233.37	51.06	237.90	52.05	246.97	55.02
	0.00	147.27	36.83	169.93	41.14	192.59	47.09	226.57	49.57	233.37	51.06	237.90	52.05	246.97	55.02
	5.00	147.27	36.83	169.93	41.14	192.59	47.09	226.57	49.57	233.37	51.06	237.90	52.05	246.97	55.02
	10.00	145.84	36.83	168.28	41.14	190.72	47.09	224.37	49.57	231.11	51.06	235.59	52.05	244.57	55.02
	15.00	145.84	37.24	168.28	41.60	190.72	47.62	224.37	50.12	231.11	51.63	235.59	52.63	244.57	55.64
	20.00	150.13	36.83	173.23	41.14	196.33	47.09	230.97	49.57	237.90	51.06	242.52	52.05	251.76	55.02
	25.00	145.84	37.65	168.28	42.06	190.72	48.14	224.37	50.67	231.11	52.19	235.59	53.21	244.57	56.25
	30.00	147.27	38.88	169.93	43.43	192.59	49.71	226.57	52.33	233.37	53.90	237.90	54.94	246.97	58.08
	35.00	142.98	40.93	164.98	45.72	186.98	52.33	219.97	55.08	226.57	56.73	230.97	57.83	239.77	61.14
	39.00	137.26	41.95	158.38	48.68	179.50	55.72	211.18	57.56	217.51	12.06	221.73	20.51	230.18	63.89
	41.00	134.40	42.36	155.08	50.05	175.76	57.28	206.78	58.65	212.98	60.41	217.12	61.59	225.39	65.10
	43.00	131.55	42.77	151.78	52.32	172.02	59.89	202.38	59.75	208.45	61.54	212.50	62.74	220.59	66.32
	46.00	114.39	46.84	131.98	56.42	149.58	64.57	175.98	67.97	181.26	70.01	184.78	71.37	191.82	75.45
50.00	92.94	48.88	107.24	56.87	121.54	65.09	142.98	70.71	147.27	72.83	150.13	74.25	155.85	78.49	
110%	-5.00	144.47	36.65	166.69	40.94	188.92	46.86	222.26	49.33	228.93	50.81	233.37	51.80	242.26	54.76
	0.00	144.47	36.65	166.69	40.94	188.92	46.86	222.26	49.33	228.93	50.81	233.37	51.80	242.26	54.76
	5.00	144.47	36.65	166.69	40.94	188.92	46.86	222.26	49.33	228.93	50.81	233.37	51.80	242.26	54.76
	10.00	143.07	36.65	165.08	40.94	187.09	46.86	220.10	49.33	226.70	50.81	231.11	51.80	239.91	54.76
	15.00	143.07	37.06	165.08	41.40	187.09	47.38	220.10	49.88	226.70	51.37	231.11	52.37	239.91	55.36
	20.00	147.27	36.65	169.93	40.94	192.59	46.86	226.57	49.33	233.37	50.81	237.90	51.80	246.97	54.76
	25.00	143.07	37.47	165.08	41.85	187.09	47.90	220.10	50.43	226.70	51.94	231.11	52.95	239.91	55.97
	30.00	144.47	38.69	166.69	43.22	188.92	49.47	222.26	52.07	228.93	53.63	233.37	54.67	242.26	57.80
	35.00	140.26	40.73	161.84	45.49	183.42	52.07	215.78	54.81	222.26	56.45	226.57	57.55	235.21	60.84
	39.00	134.65	41.95	155.37	48.68	176.08	55.71	207.15	57.55	213.37	59.28	217.51	60.43	225.80	63.88
	41.00	131.84	42.35	152.13	50.04	172.41	57.28	202.84	58.65	208.92	60.41	212.98	61.58	221.09	65.10
	43.00	129.04	42.76	148.89	52.32	168.74	59.88	198.52	59.74	204.48	61.54	208.45	62.73	216.39	66.31
	46.00	112.21	46.83	129.47	56.41	146.73	64.57	172.63	67.96	177.81	70.00	181.26	71.36	188.16	75.44
50.00	91.17	48.87	105.20	56.87	119.22	65.09	140.26	70.70	144.47	72.83	147.27	74.24	152.88	78.48	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT074S73HQSS													Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)														
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	140.26	36.11	161.84	40.34	183.42	46.17	215.78	48.60	222.26	50.06	226.57	51.03	235.21	53.95	
	0.00	140.26	36.11	161.84	40.34	183.42	46.17	215.78	48.60	222.26	50.06	226.57	51.03	235.21	53.95	
	5.00	140.26	36.11	161.84	40.34	183.42	46.17	215.78	48.60	222.26	50.06	226.57	51.03	235.21	53.95	
	10.00	138.90	36.11	160.27	40.34	181.64	46.17	213.69	48.60	220.10	50.06	224.37	51.03	232.92	53.95	
	15.00	138.90	36.51	160.27	40.79	181.64	46.68	213.69	49.14	220.10	50.61	224.37	51.60	232.92	54.55	
	20.00	142.98	36.11	164.98	40.34	186.98	46.17	219.97	48.60	226.57	50.06	230.97	51.03	239.77	53.95	
	25.00	138.90	36.91	160.27	41.23	181.64	47.20	213.69	49.68	220.10	51.17	224.37	52.16	232.92	55.14	
	30.00	140.26	38.12	161.84	42.58	183.42	48.74	215.78	51.30	222.26	52.84	226.57	53.87	235.21	56.94	
	35.00	136.17	40.12	157.12	44.82	178.07	51.30	209.50	54.00	215.78	55.62	219.97	56.70	228.35	59.94	
	39.00	130.73	41.33	150.84	47.96	170.95	54.89	201.12	56.70	207.15	58.40	211.18	59.54	219.22	62.94	
	41.00	128.00	41.73	147.70	49.30	167.39	56.43	196.93	57.78	202.84	59.51	206.78	60.67	214.65	64.14	
	43.00	125.28	42.13	144.55	51.54	163.83	59.00	192.74	58.86	198.52	60.63	202.38	61.80	210.09	65.33	
	46.00	108.94	46.14	125.70	55.58	142.46	63.61	167.60	66.96	172.63	68.97	175.98	70.31	182.68	74.33	
50.00	88.51	48.15	102.13	56.03	115.75	64.13	136.17	69.66	140.26	71.75	142.98	73.14	148.43	77.32		
90%	-5.00	126.23	29.97	145.65	33.48	165.08	38.32	194.21	39.02	200.03	41.55	203.92	42.35	211.69	44.78	
	0.00	126.23	29.97	145.65	33.48	165.08	38.32	194.21	40.34	200.03	41.55	203.92	42.35	211.69	44.78	
	5.00	126.23	29.97	145.65	33.48	165.08	38.32	194.21	40.34	200.03	41.55	203.92	42.35	211.69	44.78	
	10.00	125.01	29.97	144.24	33.48	163.47	38.32	192.32	40.34	198.09	41.55	201.94	42.35	209.63	44.78	
	15.00	125.01	30.31	144.24	33.85	163.47	38.75	192.32	40.79	198.09	42.01	201.94	42.83	209.63	45.27	
	20.00	128.69	29.97	148.48	33.48	168.28	38.32	197.98	40.34	203.92	41.55	207.88	42.35	215.80	44.78	
	25.00	125.01	30.64	144.24	34.22	163.47	39.17	192.32	41.23	198.09	42.47	201.94	43.30	209.63	45.77	
	30.00	126.23	31.64	145.65	35.34	165.08	40.45	194.21	42.58	200.03	43.86	203.92	44.71	211.69	47.26	
	35.00	122.56	33.30	141.41	37.20	160.27	42.58	188.55	44.82	194.21	46.16	197.98	47.06	205.52	49.75	
	39.00	117.66	34.30	135.76	39.80	153.86	45.56	181.01	47.06	186.44	48.47	190.06	49.41	197.30	52.24	
	41.00	115.20	34.64	132.93	40.92	150.65	46.84	177.24	47.96	182.55	49.40	186.10	50.36	193.19	53.23	
	43.00	112.75	34.97	130.10	42.78	147.45	48.97	173.47	48.85	178.67	50.32	182.14	51.30	189.08	54.23	
	46.00	104.86	36.91	120.99	44.46	137.12	50.89	161.32	53.57	166.16	55.18	169.39	56.25	175.84	59.46	
50.00	99.22	39.96	114.49	46.50	129.75	53.22	152.65	57.82	157.23	59.55	160.28	60.71	166.39	64.18		
80%	-5.00	112.21	25.64	129.47	28.64	146.73	32.78	172.63	34.51	177.81	35.54	181.26	36.23	188.16	38.30	
	0.00	112.21	25.64	129.47	28.64	146.73	32.78	172.63	34.51	177.81	35.54	181.26	36.23	188.16	38.30	
	5.00	112.21	25.64	129.47	28.64	146.73	32.78	172.63	34.51	177.81	35.54	181.26	36.23	188.16	38.30	
	10.00	111.12	25.64	128.21	28.64	145.31	32.78	170.95	34.51	176.08	35.54	179.50	36.23	186.34	38.30	
	15.00	111.12	25.92	128.21	28.96	145.31	33.14	170.95	34.89	176.08	35.94	179.50	36.63	186.34	38.73	
	20.00	114.39	25.64	131.98	28.64	149.58	32.78	175.98	34.51	181.26	35.54	184.78	36.23	191.82	38.30	
	25.00	111.12	26.21	128.21	29.28	145.31	33.51	170.95	35.27	176.08	36.33	179.50	37.04	186.34	39.15	
	30.00	115.01	27.06	132.71	30.23	150.40	34.60	176.94	36.42	182.25	37.52	185.79	38.24	192.87	40.43	
	35.00	111.66	28.49	128.84	31.82	146.02	36.42	171.79	38.34	176.94	39.49	180.38	40.26	187.25	42.56	
	39.00	107.20	29.34	123.69	34.05	140.18	38.97	164.92	40.26	169.87	41.46	173.16	42.27	179.76	44.69	
	41.00	104.96	29.63	121.11	35.00	137.26	40.07	161.48	41.02	166.33	42.25	169.56	43.07	176.02	45.54	
	43.00	102.73	29.91	118.54	36.60	134.34	41.89	158.05	41.79	162.79	43.04	165.95	43.88	172.27	46.39	
	46.00	96.96	32.76	111.87	39.46	126.79	45.16	149.16	47.54	153.64	48.97	156.62	49.92	162.59	52.77	
50.00	82.32	34.19	94.98	39.78	107.65	45.53	126.64	49.46	130.44	50.94	132.97	51.93	138.04	54.90		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT074S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	100.99	21.67	116.52	24.20	132.06	27.70	155.37	29.16	160.03	30.03	163.13	30.62	169.35	32.37		
	0.00	100.99	21.67	116.52	24.20	132.06	27.70	155.37	29.16	160.03	30.03	163.13	30.62	169.35	32.37		
	5.00	100.99	21.67	116.52	24.20	132.06	27.70	155.37	29.16	160.03	30.03	163.13	30.62	169.35	32.37		
	10.00	100.01	21.67	115.39	24.20	130.78	27.70	153.86	29.16	158.47	30.03	161.55	30.62	167.70	32.37		
	15.00	100.01	21.91	115.39	24.47	130.78	28.01	153.86	29.48	158.47	30.37	161.55	30.96	167.70	32.73		
	20.00	102.95	21.67	118.79	24.20	134.62	27.70	158.38	29.16	163.13	30.03	166.30	30.62	172.64	32.37		
	25.00	100.01	22.15	115.39	24.74	130.78	28.32	153.86	29.81	158.47	30.70	161.55	31.30	167.70	33.09		
	30.00	100.99	22.87	116.52	25.55	132.06	29.24	155.37	30.78	160.03	31.70	163.13	32.32	169.35	34.17		
	35.00	98.05	24.07	113.13	26.89	128.21	30.78	150.84	32.40	155.37	33.37	158.38	34.02	164.42	35.96		
	39.00	94.12	24.80	108.60	28.77	123.09	32.93	144.81	34.02	149.15	35.04	152.05	35.72	157.84	37.76		
	41.00	92.16	25.04	106.34	29.58	120.52	33.86	141.79	34.67	146.04	35.71	148.88	36.40	154.55	38.48		
	43.00	90.20	25.28	104.08	30.93	117.96	35.40	138.77	35.32	142.94	36.38	145.71	37.08	151.26	39.20		
46.00	84.97	26.30	98.05	31.68	111.12	36.26	130.73	38.17	134.65	39.31	137.26	40.08	142.49	42.37			
50.00	69.04	27.44	79.66	31.93	90.28	36.55	106.22	39.71	109.40	40.90	111.53	41.69	115.78	44.07			
60%	-5.00	86.96	17.69	100.34	19.77	113.72	22.62	133.79	23.81	137.80	24.53	140.48	25.00	145.83	26.43		
	0.00	86.96	17.69	100.34	19.77	113.72	22.62	133.79	23.81	137.80	24.53	140.48	25.00	145.83	26.43		
	5.00	86.96	17.69	100.34	19.77	113.72	22.62	133.79	23.81	137.80	24.53	140.48	25.00	145.83	26.43		
	10.00	86.12	17.69	99.37	19.77	112.61	22.62	132.49	23.81	136.46	24.53	139.11	25.00	144.41	26.43		
	15.00	86.12	17.89	99.37	19.99	112.61	22.87	132.49	24.08	136.46	24.80	139.11	25.28	144.41	26.73		
	20.00	88.65	17.69	102.29	19.77	115.93	22.62	136.38	23.81	140.48	24.53	143.20	25.00	148.66	26.43		
	25.00	86.12	18.09	99.37	20.20	112.61	23.13	132.49	24.34	136.46	25.07	139.11	25.56	144.41	27.02		
	30.00	86.96	18.68	100.34	20.86	113.72	23.88	133.79	25.14	137.80	25.89	140.48	26.39	145.83	27.90		
	35.00	84.43	19.66	97.42	21.96	110.41	25.14	129.89	26.46	133.79	27.25	136.38	27.78	141.58	29.37		
	39.00	81.05	20.25	93.52	23.50	105.99	26.90	124.69	27.78	128.44	28.62	130.93	29.17	135.92	30.84		
	41.00	79.36	20.45	91.57	24.16	103.78	27.65	122.10	28.31	125.76	29.16	128.20	29.73	133.09	31.43		
	43.00	77.67	20.64	89.62	25.26	101.57	28.91	119.50	28.84	123.08	29.71	125.47	30.28	130.25	32.01		
46.00	75.17	22.61	86.73	27.23	98.30	31.17	115.64	32.81	119.11	33.79	121.43	34.45	126.05	36.42			
50.00	61.07	23.59	70.47	27.45	79.87	31.42	93.96	34.13	96.78	35.16	98.66	35.84	102.42	37.89			
50%	-5.00	70.13	14.44	80.92	16.14	91.71	18.47	107.89	19.44	111.13	20.02	113.29	20.41	117.60	21.58		
	0.00	70.13	14.44	80.92	16.14	91.71	18.47	107.89	19.44	111.13	20.02	113.29	20.41	117.60	21.58		
	5.00	70.13	14.44	80.92	16.14	91.71	18.47	107.89	19.44	111.13	20.02	113.29	20.41	117.60	21.58		
	10.00	69.45	14.44	80.13	16.14	90.82	18.47	106.84	19.44	110.05	20.02	112.19	20.41	116.46	21.58		
	15.00	69.45	14.61	80.13	16.31	90.82	18.67	106.84	19.66	110.05	20.25	112.19	20.64	116.46	21.82		
	20.00	71.49	14.44	82.49	16.14	93.49	18.47	109.99	19.44	113.29	20.02	115.49	20.41	119.89	21.58		
	25.00	69.45	14.77	80.13	16.49	90.82	18.88	106.84	19.87	110.05	20.47	112.19	20.87	116.46	22.06		
	30.00	70.13	15.25	80.92	17.03	91.71	19.49	107.89	20.52	111.13	21.14	113.29	21.55	117.60	22.78		
	35.00	68.09	16.05	78.56	17.93	89.04	20.52	104.75	21.60	107.89	22.25	109.99	22.68	114.18	23.98		
	39.00	65.36	16.53	75.42	19.18	85.48	21.96	100.56	22.68	103.58	23.36	105.59	23.81	109.61	25.17		
	41.00	64.00	16.69	73.85	19.72	83.70	22.57	98.46	23.11	101.42	23.81	103.39	24.27	107.33	25.65		
	43.00	62.64	16.85	72.28	20.62	81.91	23.60	96.37	23.54	99.26	24.25	101.19	24.72	105.04	26.13		
46.00	59.51	17.53	68.66	21.12	77.82	24.17	91.55	25.44	94.30	26.21	96.13	26.72	99.79	28.24			
50.00	57.63	18.30	66.50	21.29	75.36	24.37	88.66	26.47	91.32	27.26	93.09	27.79	96.64	29.38			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT076S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	154.02	37.31	177.71	42.06	201.41	48.14	236.95	50.67	244.06	52.19	248.80	53.21	258.28	56.25		
	0.00	154.02	37.31	177.71	42.06	201.41	48.14	236.95	50.67	244.06	52.19	248.80	53.21	258.28	56.25		
	5.00	154.02	37.31	177.71	42.06	201.41	48.14	236.95	50.67	244.06	52.19	248.80	53.21	258.28	56.25		
	10.00	152.52	37.31	175.99	42.06	199.45	48.14	234.65	50.67	241.69	52.19	246.38	53.21	255.77	56.25		
	15.00	152.52	37.73	175.99	42.53	199.45	48.67	234.65	51.24	241.69	52.77	246.38	53.80	255.77	56.87		
	20.00	157.01	37.31	181.16	42.06	205.32	13.29	241.55	13.29	248.80	13.29	253.63	13.29	263.29	56.25		
	25.00	152.52	38.14	175.99	42.99	199.45	49.21	234.65	51.80	241.69	53.35	246.38	54.39	255.77	57.50		
	30.00	154.02	39.39	177.71	44.40	201.41	50.81	236.95	53.49	244.06	55.09	248.80	56.16	258.28	59.37		
	35.00	149.53	41.46	172.54	46.73	195.54	53.49	230.05	56.30	236.95	57.99	241.55	59.12	250.75	62.50		
	39.00	143.55	42.70	165.64	50.00	187.72	57.23	220.85	59.12	227.47	60.89	231.89	62.08	240.72	65.62		
	41.00	140.56	43.54	162.19	51.91	183.81	59.41	216.25	60.84	222.73	62.66	227.06	63.88	235.71	67.53		
	43.00	137.57	43.96	158.73	54.27	179.90	62.12	211.65	61.97	218.00	63.83	222.23	65.07	230.69	68.79		
46.00	119.63	48.15	138.03	58.52	156.43	66.98	184.04	70.50	189.56	72.62	193.24	74.03	200.60	78.26			
50.00	97.20	50.24	112.15	58.99	127.10	67.52	149.53	73.34	154.02	75.54	157.01	77.01	162.99	81.41			
120%	-5.00	151.14	37.31	174.39	42.06	197.64	48.14	232.52	50.67	239.50	52.19	244.15	53.21	253.45	56.25		
	0.00	151.14	37.31	174.39	42.06	197.64	48.14	232.52	50.67	239.50	52.19	244.15	53.21	253.45	56.25		
	5.00	151.14	37.31	174.39	42.06	197.64	48.14	232.52	50.67	239.50	52.19	244.15	53.21	253.45	56.25		
	10.00	149.67	37.31	172.70	42.06	195.73	48.14	230.26	50.67	237.17	52.19	241.78	53.21	250.99	56.25		
	15.00	149.67	37.73	172.70	42.53	195.73	48.67	230.26	51.24	237.17	52.77	241.78	53.80	250.99	56.87		
	20.00	154.07	37.31	177.78	42.06	201.48	48.14	237.04	50.67	244.15	52.19	248.89	53.21	258.37	56.25		
	25.00	149.67	38.14	172.70	42.99	195.73	49.21	230.26	51.80	237.17	53.35	241.78	54.39	250.99	57.50		
	30.00	151.14	39.39	174.39	44.40	197.64	50.81	232.52	53.49	239.50	55.09	244.15	56.16	253.45	59.37		
	35.00	146.74	41.46	169.31	46.73	191.89	53.49	225.75	56.30	232.52	57.99	237.04	59.12	246.07	62.50		
	39.00	140.87	42.50	162.54	49.76	184.21	56.96	216.72	58.84	223.22	60.89	231.89	62.08	240.72	65.62		
	41.00	137.93	42.91	159.15	51.16	180.37	58.56	212.20	59.96	218.57	61.75	222.82	62.95	231.30	66.55		
	43.00	135.00	43.32	155.77	53.48	176.54	61.22	207.69	61.08	213.92	62.91	218.07	64.13	226.38	67.80		
46.00	117.39	47.45	135.45	57.67	153.51	66.01	180.60	69.48	186.02	71.57	189.63	72.96	196.85	77.12			
50.00	95.38	49.51	110.05	58.13	124.73	66.54	146.74	72.28	151.14	74.45	154.07	75.90	159.94	80.23			
110%	-5.00	148.26	37.13	171.07	41.85	193.88	47.90	228.09	50.43	234.94	51.94	239.50	52.95	248.62	55.97		
	0.00	148.26	37.13	171.07	41.85	193.88	47.90	228.09	50.43	234.94	51.94	239.50	52.95	248.62	55.97		
	5.00	148.26	37.13	171.07	41.85	193.88	47.90	228.09	50.43	234.94	51.94	239.50	52.95	248.62	55.97		
	10.00	146.82	37.13	169.41	41.85	192.00	47.90	225.88	50.43	232.66	51.94	237.17	52.95	246.21	55.97		
	15.00	146.82	37.54	169.41	42.32	192.00	48.44	225.88	50.99	232.66	52.52	237.17	53.53	246.21	56.59		
	20.00	151.14	37.13	174.39	41.85	197.64	47.90	232.52	50.43	239.50	51.94	244.15	52.95	253.45	55.97		
	25.00	146.82	37.96	169.41	42.78	192.00	48.97	225.88	51.55	232.66	53.09	237.17	54.12	246.21	57.22		
	30.00	148.26	39.19	171.07	44.18	193.88	50.57	228.09	53.23	234.94	54.82	239.50	55.89	248.62	59.08		
	35.00	143.94	41.26	166.09	46.50	188.23	53.23	221.45	56.03	228.09	57.71	232.52	58.83	241.38	62.19		
	39.00	138.18	42.50	159.44	49.76	180.70	56.95	212.59	58.83	218.97	60.59	223.22	61.77	231.73	65.30		
	41.00	135.31	42.91	156.12	51.15	176.94	58.55	208.16	59.95	214.41	61.75	218.57	62.95	226.90	66.54		
	43.00	132.43	43.32	152.80	53.48	173.17	61.21	203.73	61.07	209.85	62.90	213.92	64.12	222.07	67.79		
46.00	115.15	47.45	132.87	57.66	150.59	66.00	177.16	69.47	182.47	71.56	186.02	72.95	193.10	77.12			
50.00	93.56	49.51	107.96	58.13	122.35	66.53	143.94	72.28	148.26	74.44	151.14	75.89	156.90	80.23			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT076S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	143.94	36.58	166.09	41.23	188.23	47.20	221.45	49.68	228.09	51.17	232.52	52.16	241.38	55.14		
	0.00	143.94	36.58	166.09	41.23	188.23	47.20	221.45	49.68	228.09	51.17	232.52	52.16	241.38	55.14		
	5.00	143.94	36.58	166.09	41.23	188.23	47.20	221.45	49.68	228.09	51.17	232.52	52.16	241.38	55.14		
	10.00	142.54	36.58	164.47	41.23	186.40	47.20	219.30	49.68	225.88	51.17	230.26	52.16	239.04	55.14		
	15.00	142.54	36.99	164.47	41.69	186.40	47.72	219.30	50.23	225.88	51.74	230.26	52.74	239.04	55.76		
	20.00	146.74	36.58	169.31	41.23	191.89	47.20	225.75	49.68	232.52	51.17	237.04	52.16	246.07	55.14		
	25.00	142.54	37.40	164.47	42.15	186.40	48.24	219.30	50.78	225.88	52.31	230.26	53.32	239.04	56.37		
	30.00	143.94	38.62	166.09	43.53	188.23	49.82	221.45	52.44	228.09	54.01	232.52	55.06	241.38	58.21		
	35.00	139.75	40.65	161.25	45.82	182.75	52.44	215.00	55.20	221.45	56.86	225.75	57.96	234.35	61.27		
	39.00	134.16	41.87	154.80	49.02	175.44	56.11	206.40	57.96	212.59	59.70	216.72	60.86	224.98	64.34		
	41.00	131.36	42.27	151.57	50.40	171.78	57.68	202.10	59.06	208.16	60.84	212.20	62.02	220.29	65.56		
	43.00	128.57	42.68	148.35	52.69	168.13	60.31	197.80	60.17	203.73	61.97	207.69	63.18	215.60	66.79		
	46.00	111.80	46.75	129.00	56.81	146.20	65.03	172.00	68.45	177.16	70.50	180.60	71.87	187.48	75.98		
50.00	90.84	48.78	104.81	57.27	118.79	65.55	139.75	71.21	143.94	73.34	146.74	74.77	152.33	79.04			
90%	-5.00	129.55	30.36	149.48	34.22	169.41	39.17	199.30	38.60	205.28	42.47	209.27	43.30	217.24	45.77		
	0.00	129.55	30.36	149.48	34.22	169.41	39.17	199.30	41.23	205.28	42.47	209.27	43.30	217.24	45.77		
	5.00	129.55	30.36	149.48	34.22	169.41	39.17	199.30	41.23	205.28	42.47	209.27	43.30	217.24	45.77		
	10.00	128.29	30.36	148.03	34.22	167.76	39.17	197.37	41.23	203.29	42.47	207.24	43.30	215.13	45.77		
	15.00	128.29	30.70	148.03	34.60	167.76	39.61	197.37	41.69	203.29	42.94	207.24	43.78	215.13	46.28		
	20.00	132.06	30.36	152.38	34.22	172.70	39.17	203.17	41.23	209.27	42.47	213.33	43.30	221.46	45.77		
	25.00	128.29	31.04	148.03	34.99	167.76	40.04	197.37	42.15	203.29	43.42	207.24	44.26	215.13	46.79		
	30.00	129.55	32.05	149.48	36.13	169.41	41.35	199.30	43.53	205.28	44.83	209.27	45.70	217.24	48.31		
	35.00	125.77	33.74	145.12	38.03	164.47	43.53	193.50	45.82	199.30	47.19	203.17	48.11	210.91	50.86		
	39.00	120.74	34.75	139.32	40.69	157.90	46.57	185.76	48.11	191.33	49.55	195.05	50.51	202.48	53.40		
	41.00	118.23	35.09	136.42	41.83	154.61	47.88	181.89	49.02	187.35	50.49	190.98	51.47	198.26	54.42		
	43.00	115.71	35.42	133.51	43.73	151.32	50.05	178.02	49.94	183.36	51.44	186.92	52.44	194.04	55.43		
	46.00	107.61	37.40	124.17	45.45	140.72	52.02	165.56	54.76	170.53	56.40	173.84	57.50	180.46	60.78		
50.00	101.83	40.49	117.49	47.53	133.16	54.41	156.66	59.10	161.36	60.88	164.49	62.06	170.76	65.60			
80%	-5.00	115.15	25.97	132.87	29.28	150.59	33.51	177.16	35.27	182.47	36.33	186.02	37.04	193.10	39.15		
	0.00	115.15	25.97	132.87	29.28	150.59	33.51	177.16	35.27	182.47	36.33	186.02	37.04	193.10	39.15		
	5.00	115.15	25.97	132.87	29.28	150.59	33.51	177.16	35.27	182.47	36.33	186.02	37.04	193.10	39.15		
	10.00	114.04	25.97	131.58	29.28	149.12	33.51	175.44	35.27	180.70	36.33	184.21	37.04	191.23	39.15		
	15.00	114.04	26.26	131.58	29.60	149.12	33.88	175.44	35.66	180.70	36.73	184.21	37.45	191.23	39.59		
	20.00	117.39	25.97	135.45	29.28	153.51	33.51	180.60	35.27	186.02	36.33	189.63	37.04	196.85	39.15		
	25.00	114.04	26.55	131.58	29.93	149.12	34.25	175.44	36.06	180.70	37.14	184.21	37.86	191.23	40.02		
	30.00	118.03	27.42	136.19	30.90	154.35	35.37	181.59	37.23	187.04	38.35	190.67	39.09	197.93	41.33		
	35.00	114.59	28.86	132.22	32.53	149.85	37.23	176.30	39.19	181.59	40.37	185.11	41.15	192.17	43.50		
	39.00	110.01	29.73	126.94	34.81	143.86	39.84	169.25	41.15	174.33	42.39	177.71	43.21	184.48	45.68		
	41.00	107.72	30.01	124.29	35.78	140.86	40.96	165.72	41.94	170.69	43.19	174.01	44.03	180.64	46.55		
	43.00	105.43	30.30	121.65	37.41	137.87	42.82	162.20	42.72	167.06	44.00	170.31	44.86	176.79	47.42		
	46.00	99.50	33.19	114.81	40.34	130.12	46.17	153.08	48.60	157.67	50.06	160.73	51.03	166.86	53.94		
50.00	84.48	34.63	97.48	40.66	110.47	46.54	129.97	50.56	133.87	52.07	136.47	53.09	141.66	56.12			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT076S73HQSS Cooling Capacity															
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	103.64	21.95	119.58	24.74	135.53	28.32	159.44	29.81	164.23	30.70	167.42	31.30	173.79	33.09
	0.00	103.64	21.95	119.58	24.74	135.53	28.32	159.44	29.81	164.23	30.70	167.42	31.30	173.79	33.09
	5.00	103.64	21.95	119.58	24.74	135.53	28.32	159.44	29.81	164.23	30.70	167.42	31.30	173.79	33.09
	10.00	102.63	21.95	118.42	24.74	134.21	28.32	157.90	29.81	162.63	30.70	165.79	31.30	172.11	33.09
	15.00	102.63	22.19	118.42	25.02	134.21	28.63	157.90	30.14	162.63	31.04	165.79	31.65	172.11	33.45
	20.00	105.65	21.95	121.90	24.74	138.16	28.32	162.54	29.81	167.42	30.70	170.67	31.30	177.17	33.09
	25.00	102.63	22.44	118.42	25.29	134.21	28.95	157.90	30.47	162.63	31.38	165.79	31.99	172.11	33.82
	30.00	103.64	23.17	119.58	26.12	135.53	29.89	159.44	31.46	164.23	32.41	167.42	33.04	173.79	34.93
	35.00	100.62	24.39	116.10	27.49	131.58	31.46	154.80	33.12	159.44	34.11	162.54	34.78	168.73	36.76
	39.00	96.60	25.12	111.46	29.41	126.32	33.67	148.61	34.78	153.07	35.82	156.04	36.51	161.98	38.60
	41.00	94.58	25.36	109.13	30.24	123.69	34.61	145.51	35.44	149.88	36.50	152.79	37.21	158.61	39.34
	43.00	92.57	25.61	106.81	31.61	121.05	36.18	142.42	36.10	146.69	37.18	149.54	37.91	155.23	40.07
46.00	87.20	26.64	100.62	32.38	114.04	37.06	134.16	39.02	138.18	40.19	140.87	40.97	146.23	43.31	
50.00	70.85	27.80	81.75	32.64	92.65	37.36	109.00	40.59	112.28	41.81	114.46	42.62	118.82	45.05	
60%	-5.00	89.24	17.93	102.97	20.20	116.70	23.13	137.30	24.34	141.42	25.07	144.16	25.56	149.66	27.02
	0.00	89.24	17.93	102.97	20.20	116.70	23.13	137.30	24.34	141.42	25.07	144.16	25.56	149.66	27.02
	5.00	89.24	17.93	102.97	20.20	116.70	23.13	137.30	24.34	141.42	25.07	144.16	25.56	149.66	27.02
	10.00	88.38	17.93	101.97	20.20	115.57	23.13	135.97	24.34	140.04	25.07	142.76	25.56	148.20	27.02
	15.00	88.38	18.12	101.97	20.43	115.57	23.38	135.97	24.61	140.04	25.35	142.76	25.84	148.20	27.32
	20.00	90.98	17.93	104.97	20.20	118.97	23.13	139.96	24.34	144.16	25.07	146.96	25.56	152.56	27.02
	25.00	88.38	18.32	101.97	20.65	115.57	23.64	135.97	24.88	140.04	25.63	142.76	26.13	148.20	27.62
	30.00	89.24	18.92	102.97	21.33	116.70	24.41	137.30	25.70	141.42	26.47	144.16	26.98	149.66	28.52
	35.00	86.64	19.92	99.97	22.45	113.30	25.70	133.30	27.05	137.30	27.86	139.96	28.40	145.30	30.02
	39.00	83.18	20.52	95.98	24.02	108.77	27.49	127.97	28.40	131.81	29.25	134.37	29.82	139.49	31.52
	41.00	81.45	20.71	93.98	24.69	106.51	28.27	125.30	28.94	129.06	29.81	131.57	30.39	136.58	32.12
	43.00	79.71	20.91	91.98	25.82	104.24	29.55	122.64	29.48	126.32	30.37	128.77	30.96	133.67	32.73
46.00	77.14	22.91	89.01	27.84	100.88	31.86	118.68	33.54	122.24	34.55	124.61	35.22	129.36	37.23	
50.00	62.68	23.90	72.32	28.06	81.96	32.12	96.43	34.89	99.32	35.94	101.25	36.64	105.11	38.73	
50%	-5.00	71.97	14.63	83.04	16.49	94.12	18.88	110.72	19.87	114.05	20.47	116.26	20.87	120.69	22.06
	0.00	71.97	14.63	83.04	16.49	94.12	18.88	110.72	19.87	114.05	20.47	116.26	20.87	120.69	22.06
	5.00	71.97	14.63	83.04	16.49	94.12	18.88	110.72	19.87	114.05	20.47	116.26	20.87	120.69	22.06
	10.00	71.27	14.63	82.24	16.49	93.20	18.88	109.65	19.87	112.94	20.47	115.13	20.87	119.52	22.06
	15.00	71.27	14.80	82.24	16.68	93.20	19.09	109.65	20.09	112.94	20.70	115.13	21.10	119.52	22.30
	20.00	73.37	14.63	84.66	16.49	95.94	18.88	112.87	19.87	116.26	20.47	118.52	20.87	123.03	22.06
	25.00	71.27	14.96	82.24	16.86	93.20	19.30	109.65	20.31	112.94	20.92	115.13	21.33	119.52	22.55
	30.00	71.97	15.45	83.04	17.41	94.12	19.93	110.72	20.98	114.05	21.61	116.26	22.02	120.69	23.28
	35.00	69.87	16.26	80.62	18.33	91.37	20.98	107.50	22.08	110.72	22.74	112.87	23.18	117.17	24.51
	39.00	67.08	16.75	77.40	19.61	87.72	22.44	103.20	23.18	106.30	23.88	108.36	24.34	112.49	25.73
	41.00	65.68	16.91	75.79	20.16	85.89	23.07	101.05	23.63	104.08	24.33	106.10	24.81	110.14	26.22
	43.00	64.28	17.07	74.17	21.08	84.06	24.12	98.90	24.07	101.87	24.79	103.84	25.27	107.80	26.71
46.00	61.07	17.76	70.47	21.59	79.86	24.71	93.95	26.01	96.77	26.79	98.65	27.31	102.41	28.87	
50.00	59.14	18.54	68.24	21.76	77.34	24.91	90.99	27.06	93.72	27.87	95.54	28.41	99.18	30.04	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT078S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-5.00	157.96	37.80	182.26	42.97	206.56	49.19	243.01	51.78	250.30	53.33	255.16	54.36	264.88	57.47		
	0.00	157.96	37.80	182.26	42.97	206.56	49.19	243.01	51.78	250.30	53.33	255.16	54.36	264.88	57.47		
	5.00	157.96	37.80	182.26	42.97	206.56	49.19	243.01	51.78	250.30	53.33	255.16	54.36	264.88	57.47		
	10.00	156.42	37.80	180.49	42.97	204.56	49.19	240.65	51.78	247.87	53.33	252.69	54.36	262.31	57.47		
	15.00	156.42	38.22	180.49	43.45	204.56	49.73	240.65	52.35	247.87	53.92	252.69	54.97	262.31	58.11		
	20.00	161.03	37.80	185.80	42.97	210.57	13.29	247.73	13.29	255.16	13.29	260.12	13.29	270.03	57.47		
	25.00	156.42	38.64	180.49	43.93	204.56	50.28	240.65	52.93	247.87	54.51	252.69	55.57	262.31	58.75		
	30.00	157.96	39.90	182.26	45.36	206.56	51.92	243.01	54.65	250.30	56.29	255.16	57.38	264.88	60.66		
	35.00	153.36	42.00	176.95	47.75	200.54	54.65	235.94	57.53	243.01	59.25	247.73	60.40	257.17	63.86		
	39.00	147.22	43.26	169.87	51.09	192.52	58.48	226.50	60.40	233.29	62.22	237.82	63.42	246.88	67.05		
	41.00	144.16	44.10	166.33	53.04	188.51	60.71	221.78	62.16	228.43	64.02	232.87	65.27	241.74	69.00		
	43.00	141.09	44.53	162.80	55.45	184.50	63.47	217.06	63.32	223.57	65.22	227.91	66.49	236.60	70.29		
	46.00	122.69	48.77	141.56	59.79	160.44	68.43	188.75	72.03	194.41	74.20	198.19	75.64	205.74	79.96		
50.00	99.68	50.89	115.02	60.27	130.35	68.98	153.36	74.94	157.96	77.19	161.03	78.69	167.16	83.18			
120%	-5.00	155.01	37.80	178.85	42.97	202.70	49.19	238.47	51.78	245.62	53.33	250.39	54.36	259.93	57.47		
	0.00	155.01	37.80	178.85	42.97	202.70	49.19	238.47	51.78	245.62	53.33	250.39	54.36	259.93	57.47		
	5.00	155.01	37.80	178.85	42.97	202.70	49.19	238.47	51.78	245.62	53.33	250.39	54.36	259.93	57.47		
	10.00	153.50	37.80	177.12	42.97	200.73	49.19	236.16	51.78	243.24	53.33	247.96	54.36	257.41	57.47		
	15.00	153.50	38.22	177.12	43.45	200.73	49.73	236.16	52.35	243.24	53.92	247.96	54.97	257.41	58.11		
	20.00	158.02	37.80	182.33	42.97	206.64	49.19	243.10	51.78	250.39	53.33	255.26	54.36	264.98	57.47		
	25.00	153.50	38.64	177.12	43.93	200.73	50.28	236.16	52.93	243.24	54.51	247.96	55.57	257.41	58.75		
	30.00	155.01	39.90	178.85	45.36	202.70	51.92	238.47	54.65	245.62	56.29	250.39	57.38	259.93	60.66		
	35.00	150.49	42.00	173.64	47.75	196.80	54.65	231.53	57.53	238.47	59.25	243.10	60.40	252.36	63.86		
	39.00	144.47	43.05	166.70	50.85	188.92	58.20	222.26	60.11	228.93	62.06	233.38	63.42	246.88	67.05		
	41.00	141.46	43.47	163.23	52.27	184.99	59.83	217.63	61.26	224.16	63.10	228.52	64.32	237.22	68.00		
	43.00	138.45	43.88	159.75	54.65	181.05	62.55	213.00	62.40	219.39	64.28	223.65	65.52	232.17	69.27		
	46.00	120.39	48.06	138.92	58.92	157.44	67.44	185.22	70.99	190.78	73.12	194.48	74.54	201.89	78.80		
50.00	97.82	50.15	112.87	59.40	127.92	67.99	150.49	73.85	155.01	76.07	158.02	77.55	164.04	81.98			
110%	-5.00	152.05	37.61	175.45	42.76	198.84	48.95	233.93	51.52	240.95	53.07	245.62	54.10	254.98	57.19		
	0.00	152.05	37.61	175.45	42.76	198.84	48.95	233.93	51.52	240.95	53.07	245.62	54.10	254.98	57.19		
	5.00	152.05	37.61	175.45	42.76	198.84	48.95	233.93	51.52	240.95	53.07	245.62	54.10	254.98	57.19		
	10.00	150.58	37.61	173.74	42.76	196.91	48.95	231.66	51.52	238.61	53.07	243.24	54.10	252.51	57.19		
	15.00	150.58	38.03	173.74	43.24	196.91	49.49	231.66	52.09	238.61	53.66	243.24	54.70	252.51	57.82		
	20.00	155.01	37.61	178.85	42.76	202.70	48.95	238.47	51.52	245.62	53.07	250.39	54.10	259.93	57.19		
	25.00	150.58	38.45	173.74	43.71	196.91	50.03	231.66	52.67	238.61	54.25	243.24	55.30	252.51	58.46		
	30.00	152.05	39.70	175.45	45.14	198.84	51.66	233.93	54.38	240.95	56.02	245.62	57.10	254.98	60.37		
	35.00	147.62	41.79	170.34	47.51	193.05	54.38	227.12	57.25	233.93	58.96	238.47	60.11	247.56	63.54		
	39.00	141.72	43.04	163.52	50.84	185.33	58.19	218.03	60.11	224.57	61.91	228.93	63.11	237.65	66.72		
	41.00	138.77	43.46	160.12	52.27	181.46	59.82	213.49	61.25	219.89	63.09	224.16	64.32	232.70	67.99		
	43.00	135.81	43.88	156.71	54.64	177.60	62.54	208.95	62.40	215.21	64.27	219.39	65.52	227.75	69.26		
	46.00	118.10	48.06	136.27	58.92	154.44	67.44	181.69	70.99	187.14	73.11	190.78	74.53	198.04	78.79		
50.00	95.96	50.15	110.72	59.39	125.48	67.98	147.62	73.85	152.05	76.06	155.01	77.54	160.91	81.97			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT078S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	147.62	37.05	170.34	42.13	193.05	48.22	227.12	50.76	233.93	52.28	238.47	53.30	247.56	56.34		
	0.00	147.62	37.05	170.34	42.13	193.05	48.22	227.12	50.76	233.93	52.28	238.47	53.30	247.56	56.34		
	5.00	147.62	37.05	170.34	42.13	193.05	48.22	227.12	50.76	233.93	52.28	238.47	53.30	247.56	56.34		
	10.00	146.19	37.05	168.68	42.13	191.17	48.22	224.91	50.76	231.66	52.28	236.16	53.30	245.15	56.34		
	15.00	146.19	37.47	168.68	42.60	191.17	48.76	224.91	51.32	231.66	52.86	236.16	53.89	245.15	56.97		
	20.00	150.49	37.05	173.64	42.13	196.80	48.22	231.53	50.76	238.47	52.28	243.10	53.30	252.36	56.34		
	25.00	146.19	37.88	168.68	43.07	191.17	49.29	224.91	51.89	231.66	53.44	236.16	54.48	245.15	57.60		
	30.00	147.62	39.11	170.34	44.47	193.05	50.90	227.12	53.58	233.93	55.19	238.47	56.26	247.56	59.47		
	35.00	143.33	41.17	165.38	46.81	187.43	53.58	220.50	56.40	227.12	58.09	231.53	59.22	240.35	62.60		
	39.00	137.59	42.41	158.76	50.09	179.93	57.33	211.68	59.22	218.03	61.00	222.26	62.18	230.73	65.73		
	41.00	134.73	42.82	155.45	51.49	176.18	58.94	207.27	60.35	213.49	62.16	217.63	63.37	225.92	66.99		
	43.00	131.86	43.23	152.15	53.83	172.43	61.62	202.86	61.48	208.95	63.32	213.00	64.55	221.12	68.24		
	46.00	114.66	47.35	132.30	58.05	149.94	66.44	176.40	69.94	181.69	72.03	185.22	73.43	192.28	77.63		
50.00	93.16	49.41	107.49	58.52	121.83	66.98	143.33	72.76	147.62	74.94	150.49	76.39	156.22	80.76			
90%	-5.00	132.86	30.76	153.30	34.97	173.74	40.02	204.40	38.17	210.54	43.39	214.62	44.24	222.80	46.77		
	0.00	132.86	30.76	153.30	34.97	173.74	40.02	204.40	42.13	210.54	43.39	214.62	44.24	222.80	46.77		
	5.00	132.86	30.76	153.30	34.97	173.74	40.02	204.40	42.13	210.54	43.39	214.62	44.24	222.80	46.77		
	10.00	131.57	30.76	151.81	34.97	172.06	40.02	202.42	42.13	208.49	43.39	212.54	44.24	220.64	46.77		
	15.00	131.57	31.10	151.81	35.36	172.06	40.47	202.42	42.60	208.49	43.88	212.54	44.73	220.64	47.28		
	20.00	135.44	30.76	156.28	34.97	177.12	40.02	208.37	42.13	214.62	43.39	218.79	44.24	227.13	46.77		
	25.00	131.57	31.44	151.81	35.75	172.06	40.91	202.42	43.07	208.49	44.36	212.54	45.22	220.64	47.80		
	30.00	132.86	32.46	153.30	36.91	173.74	42.25	204.40	44.47	210.54	45.81	214.62	46.69	222.80	49.36		
	35.00	128.99	34.17	148.84	38.85	168.68	44.47	198.45	46.81	204.40	48.22	208.37	49.15	216.31	51.96		
	39.00	123.83	35.20	142.88	41.57	161.94	47.58	190.51	49.15	196.23	50.63	200.04	51.61	207.66	54.56		
	41.00	121.25	35.54	139.91	42.74	158.56	48.92	186.54	50.09	192.14	51.59	195.87	52.59	203.33	55.60		
	43.00	118.67	35.88	136.93	44.68	155.19	51.14	182.57	51.03	188.05	52.56	191.70	53.58	199.01	56.64		
	46.00	110.37	37.88	127.35	46.44	144.32	53.15	169.79	55.95	174.89	57.63	178.28	58.75	185.08	62.10		
50.00	104.43	41.01	120.50	48.57	136.57	55.59	160.67	60.39	165.49	62.20	168.70	63.41	175.12	67.03			
80%	-5.00	118.10	26.31	136.27	29.91	154.44	34.24	181.69	36.04	187.14	37.12	190.78	37.84	198.04	40.00		
	0.00	118.10	26.31	136.27	29.91	154.44	34.24	181.69	36.04	187.14	37.12	190.78	37.84	198.04	40.00		
	5.00	118.10	26.31	136.27	29.91	154.44	34.24	181.69	36.04	187.14	37.12	190.78	37.84	198.04	40.00		
	10.00	116.95	26.31	134.95	29.91	152.94	34.24	179.93	36.04	185.33	37.12	188.92	37.84	196.12	40.00		
	15.00	116.95	26.60	134.95	30.25	152.94	34.62	179.93	36.44	185.33	37.53	188.92	38.26	196.12	40.45		
	20.00	120.39	26.31	138.92	29.91	157.44	34.24	185.22	36.04	190.78	37.12	194.48	37.84	201.89	40.00		
	25.00	116.95	26.89	134.95	30.58	152.94	35.00	179.93	36.84	185.33	37.95	188.92	38.68	196.12	40.89		
	30.00	121.05	27.77	139.68	31.57	158.30	36.14	186.23	38.04	191.82	39.18	195.55	39.94	203.00	42.23		
	35.00	117.53	29.23	135.61	33.24	153.69	38.04	180.81	40.04	186.23	41.25	189.85	42.05	197.08	44.45		
	39.00	112.83	30.11	130.18	35.56	147.54	40.70	173.58	42.05	178.78	43.31	182.26	44.15	189.20	46.67		
	41.00	110.47	30.40	127.47	36.56	144.47	41.85	169.96	42.85	175.06	44.13	178.46	44.99	185.26	47.56		
	43.00	108.12	30.69	124.76	38.22	141.39	43.75	166.35	43.65	171.34	44.96	174.66	45.83	181.32	48.45		
	46.00	102.05	33.62	117.75	41.21	133.45	47.17	157.00	49.65	161.71	51.14	164.85	52.14	171.13	55.12		
50.00	86.64	35.08	99.97	41.55	113.30	47.55	133.29	51.66	137.29	53.21	139.96	54.24	145.29	57.34			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT078S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	106.29	22.23	122.64	25.28	138.99	28.93	163.52	30.46	168.43	31.37	171.70	31.98	178.24	33.81		
	0.00	106.29	22.23	122.64	25.28	138.99	28.93	163.52	30.46	168.43	31.37	171.70	31.98	178.24	33.81		
	5.00	106.29	22.23	122.64	25.28	138.99	28.93	163.52	30.46	168.43	31.37	171.70	31.98	178.24	33.81		
	10.00	105.26	22.23	121.45	25.28	137.64	28.93	161.94	30.46	166.79	31.37	170.03	31.98	176.51	33.81		
	15.00	105.26	22.48	121.45	25.56	137.64	29.25	161.94	30.79	166.79	31.72	170.03	32.33	176.51	34.18		
	20.00	108.35	22.23	125.02	25.28	141.69	28.93	166.70	30.46	171.70	31.37	175.03	31.98	181.70	33.81		
	25.00	105.26	22.73	121.45	25.84	137.64	29.58	161.94	31.13	166.79	32.07	170.03	32.69	176.51	34.56		
	30.00	106.29	23.47	122.64	26.68	138.99	30.54	163.52	32.15	168.43	33.11	171.70	33.76	178.24	35.68		
	35.00	103.19	24.70	119.07	28.09	134.95	32.15	158.76	33.84	163.52	34.86	166.70	35.53	173.05	37.56		
	39.00	99.07	25.44	114.31	30.05	129.55	34.40	152.41	35.53	156.98	36.60	160.03	37.31	166.13	39.44		
	41.00	97.00	25.69	111.93	30.90	126.85	35.36	149.23	36.21	153.71	37.30	156.70	38.02	162.67	40.19		
	43.00	94.94	25.94	109.54	32.30	124.15	36.97	146.06	36.89	150.44	37.99	153.36	38.73	159.20	40.94		
46.00	89.43	26.99	103.19	33.09	116.95	37.87	137.59	39.86	141.72	41.06	144.47	41.86	149.98	44.25			
50.00	72.67	28.16	83.85	33.35	95.02	38.18	111.79	41.47	115.15	42.72	117.38	43.54	121.85	46.03			
60%	-5.00	91.53	18.16	105.61	20.64	119.69	23.63	140.81	24.87	145.04	25.62	147.85	26.12	153.48	27.61		
	0.00	91.53	18.16	105.61	20.64	119.69	23.63	140.81	24.87	145.04	25.62	147.85	26.12	153.48	27.61		
	5.00	91.53	18.16	105.61	20.64	119.69	23.63	140.81	24.87	145.04	25.62	147.85	26.12	153.48	27.61		
	10.00	90.64	18.16	104.58	20.64	118.53	23.63	139.44	24.87	143.63	25.62	146.42	26.12	151.99	27.61		
	15.00	90.64	18.36	104.58	20.87	118.53	23.89	139.44	25.15	143.63	25.90	146.42	26.41	151.99	27.92		
	20.00	93.30	18.16	107.66	20.64	122.01	23.63	143.55	24.87	147.85	25.62	150.72	26.12	156.46	27.61		
	25.00	90.64	18.56	104.58	21.10	118.53	24.15	139.44	25.43	143.63	26.19	146.42	26.70	151.99	28.22		
	30.00	91.53	19.17	105.61	21.79	119.69	24.94	140.81	26.25	145.04	27.04	147.85	27.57	153.48	29.14		
	35.00	88.86	20.17	102.53	22.94	116.20	26.25	136.71	27.64	140.81	28.47	143.55	29.02	149.01	30.68		
	39.00	85.31	20.78	98.43	24.54	111.56	28.09	131.24	29.02	135.18	29.89	137.80	30.47	143.05	32.21		
	41.00	83.53	20.98	96.38	25.23	109.23	28.88	128.51	29.57	132.36	30.46	134.93	31.05	140.07	32.82		
	43.00	81.75	21.18	94.33	26.38	106.91	30.19	125.77	30.12	129.55	31.03	132.06	31.63	137.09	33.44		
46.00	79.12	23.20	91.29	28.44	103.46	32.56	121.72	34.27	125.37	35.30	127.80	35.98	132.67	38.04			
50.00	64.28	24.21	74.17	28.67	84.06	32.82	98.89	35.65	101.86	36.72	103.84	37.43	107.79	39.57			
50%	-5.00	73.81	14.82	85.17	16.85	96.52	19.29	113.56	20.30	116.96	20.91	119.24	21.32	123.78	22.54		
	0.00	73.81	14.82	85.17	16.85	96.52	19.29	113.56	20.30	116.96	20.91	119.24	21.32	123.78	22.54		
	5.00	73.81	14.82	85.17	16.85	96.52	19.29	113.56	20.30	116.96	20.91	119.24	21.32	123.78	22.54		
	10.00	73.10	14.82	84.34	16.85	95.59	19.29	112.46	20.30	115.83	20.91	118.08	21.32	122.58	22.54		
	15.00	73.10	14.99	84.34	17.04	95.59	19.50	112.46	20.53	115.83	21.15	118.08	21.56	122.58	22.79		
	20.00	75.25	14.82	86.82	16.85	98.40	19.29	115.76	20.30	119.24	20.91	121.55	21.32	126.18	22.54		
	25.00	73.10	15.15	84.34	17.23	95.59	19.72	112.46	20.76	115.83	21.38	118.08	21.79	122.58	23.04		
	30.00	73.81	15.65	85.17	17.79	96.52	20.36	113.56	21.43	116.96	22.07	119.24	22.50	123.78	23.79		
	35.00	71.66	16.47	82.69	18.72	93.71	21.43	110.25	22.56	113.56	23.24	115.76	23.69	120.17	25.04		
	39.00	68.80	16.96	79.38	20.04	89.96	22.93	105.84	23.69	109.02	24.40	111.13	24.87	115.37	26.29		
	41.00	67.36	17.13	77.73	20.60	88.09	23.58	103.64	24.14	106.74	24.86	108.82	25.35	112.96	26.79		
	43.00	65.93	17.29	76.07	21.53	86.22	24.65	101.43	24.59	104.47	25.33	106.50	25.82	110.56	27.30		
46.00	62.63	17.99	72.27	22.06	81.90	25.25	96.36	26.58	99.25	27.37	101.18	27.90	105.03	29.50			
50.00	60.66	18.77	69.99	22.24	79.32	25.45	93.32	27.65	96.12	28.48	97.98	29.03	101.71	30.69			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT080S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-5.00	160.47	41.59	185.15	46.02	209.84	52.67	246.87	55.45	254.28	57.11	259.21	58.22	269.09	61.55		
	0.00	160.47	41.59	185.15	46.02	209.84	52.67	246.87	55.45	254.28	57.11	259.21	58.22	269.09	61.55		
	5.00	160.47	41.59	185.15	46.02	209.84	52.67	246.87	55.45	254.28	57.11	259.21	58.22	269.09	61.55		
	10.00	158.91	41.59	183.36	46.02	207.80	52.67	244.47	55.45	251.81	57.11	256.70	58.22	266.48	61.55		
	15.00	158.91	42.05	183.36	46.53	207.80	53.26	244.47	56.06	251.81	57.75	256.70	58.87	266.48	62.23		
	20.00	163.58	41.59	188.75	46.02	213.91	17.72	251.66	17.72	259.21	17.72	264.25	17.72	274.31	61.55		
	25.00	158.91	42.51	183.36	47.04	207.80	53.85	244.47	56.68	251.81	58.38	256.70	59.51	266.48	62.91		
	30.00	160.47	43.90	185.15	48.58	209.84	55.60	246.87	58.53	254.28	60.28	259.21	61.45	269.09	64.97		
	35.00	155.79	46.21	179.76	51.13	203.73	58.53	239.68	61.61	246.87	63.46	251.66	64.69	261.25	68.38		
	39.00	149.56	47.59	172.57	54.71	195.58	62.62	230.09	64.69	237.00	66.63	241.60	67.92	250.80	71.80		
	41.00	146.44	48.53	168.97	56.80	191.50	65.01	225.30	66.57	232.06	68.56	236.56	69.90	245.58	73.89		
	43.00	143.33	48.99	165.38	59.38	187.43	67.97	220.51	67.81	227.12	69.85	231.53	71.20	240.35	75.27		
46.00	124.63	53.66	143.81	64.03	162.98	73.29	191.74	77.14	197.50	79.46	201.33	81.00	209.00	85.63			
50.00	101.26	55.99	116.84	64.54	132.42	73.88	155.79	80.25	160.47	82.66	163.58	84.27	169.81	89.08			
120%	-5.00	157.47	41.59	181.69	46.02	205.92	52.67	242.26	55.45	249.52	57.11	254.37	58.22	264.06	61.55		
	0.00	157.47	41.59	181.69	46.02	205.92	52.67	242.26	55.45	249.52	57.11	254.37	58.22	264.06	61.55		
	5.00	157.47	41.59	181.69	46.02	205.92	52.67	242.26	55.45	249.52	57.11	254.37	58.22	264.06	61.55		
	10.00	155.94	41.59	179.93	46.02	203.92	52.67	239.90	55.45	247.10	57.11	251.90	58.22	261.50	61.55		
	15.00	155.94	42.05	179.93	46.53	203.92	53.26	239.90	56.06	247.10	57.75	251.90	58.87	261.50	62.23		
	20.00	160.52	41.59	185.22	46.02	209.92	52.67	246.96	55.45	254.37	57.11	259.31	58.22	269.19	61.55		
	25.00	155.94	42.51	179.93	47.04	203.92	53.85	239.90	56.68	247.10	58.38	251.90	59.51	261.50	62.91		
	30.00	157.47	43.90	181.69	48.58	205.92	55.60	242.26	58.53	249.52	60.28	254.37	61.45	264.06	64.97		
	35.00	152.88	46.21	176.40	51.13	199.92	58.53	235.20	61.61	242.26	63.46	246.96	64.69	256.37	68.38		
	39.00	146.76	47.36	169.34	54.45	191.92	62.32	225.79	64.38	232.57	66.08	237.08	67.34	246.11	71.46		
	41.00	143.71	47.82	165.82	55.98	187.92	64.07	221.09	65.60	227.72	67.57	232.14	68.88	240.99	72.82		
	43.00	140.65	48.28	162.29	58.52	183.93	66.98	216.38	66.83	222.88	68.84	227.20	70.17	235.86	74.18		
46.00	122.30	52.88	141.12	63.10	159.94	72.23	188.16	76.03	193.80	78.31	197.57	79.83	205.09	84.39			
50.00	99.37	55.18	114.66	63.61	129.95	72.81	152.88	79.09	157.47	81.47	160.52	83.05	166.64	87.79			
110%	-5.00	154.47	41.38	178.23	45.80	202.00	52.42	237.64	55.18	244.77	56.83	249.52	57.93	259.03	61.24		
	0.00	154.47	41.38	178.23	45.80	202.00	52.42	237.64	55.18	244.77	56.83	249.52	57.93	259.03	61.24		
	5.00	154.47	41.38	178.23	45.80	202.00	52.42	237.64	55.18	244.77	56.83	249.52	57.93	259.03	61.24		
	10.00	152.97	41.38	176.50	45.80	200.03	52.42	235.33	55.18	242.39	56.83	247.10	57.93	256.51	61.24		
	15.00	152.97	41.84	176.50	46.30	200.03	53.00	235.33	55.79	242.39	57.46	247.10	58.58	256.51	61.93		
	20.00	157.47	41.38	181.69	45.80	205.92	52.42	242.26	55.18	249.52	56.83	254.37	57.93	264.06	61.24		
	25.00	152.97	42.30	176.50	46.81	200.03	53.58	235.33	56.40	242.39	58.09	247.10	59.22	256.51	62.61		
	30.00	154.47	43.68	178.23	48.34	202.00	55.33	237.64	58.24	244.77	59.99	249.52	61.15	259.03	64.65		
	35.00	149.97	45.98	173.04	50.88	196.11	58.24	230.72	61.31	237.64	63.15	242.26	64.37	251.48	68.05		
	39.00	143.97	47.36	166.12	54.45	188.27	62.32	221.49	64.37	228.14	66.30	232.57	67.59	241.43	71.45		
	41.00	140.97	47.82	162.66	55.97	184.35	64.06	216.88	65.60	223.38	67.57	227.72	68.88	236.40	72.81		
	43.00	137.97	48.28	159.20	58.52	180.42	66.98	212.26	66.82	218.63	68.83	222.88	70.16	231.37	74.17		
46.00	119.97	52.88	138.43	63.10	156.89	72.22	184.58	76.02	190.11	78.30	193.80	79.82	201.19	84.38			
50.00	97.48	55.18	112.48	63.60	127.47	72.80	149.97	79.08	154.47	81.46	157.47	83.04	163.47	87.78			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT080S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	149.97	40.77	173.04	45.12	196.11	51.64	230.72	54.36	237.64	55.99	242.26	57.08	251.48	60.34		
	0.00	149.97	40.77	173.04	45.12	196.11	51.64	230.72	54.36	237.64	55.99	242.26	57.08	251.48	60.34		
	5.00	149.97	40.77	173.04	45.12	196.11	51.64	230.72	54.36	237.64	55.99	242.26	57.08	251.48	60.34		
	10.00	148.51	40.77	171.36	45.12	194.21	51.64	228.48	54.36	235.33	55.99	239.90	57.08	249.04	60.34		
	15.00	148.51	41.22	171.36	45.62	194.21	52.22	228.48	54.96	235.33	56.61	239.90	57.71	249.04	61.01		
	20.00	152.88	40.77	176.40	45.12	199.92	51.64	235.20	54.36	242.26	55.99	246.96	57.08	256.37	60.34		
	25.00	148.51	41.68	171.36	46.12	194.21	52.79	228.48	55.57	235.33	57.24	239.90	58.35	249.04	61.68		
	30.00	149.97	43.04	173.04	47.63	196.11	54.51	230.72	57.38	237.64	59.10	242.26	60.25	251.48	63.69		
	35.00	145.60	45.30	168.00	50.13	190.40	57.38	224.00	60.40	230.72	62.21	235.20	63.42	244.16	67.04		
	39.00	139.78	46.66	161.28	53.64	182.78	61.40	215.04	63.42	221.49	65.32	225.79	66.59	234.39	70.40		
	41.00	136.86	47.11	157.92	55.15	178.98	63.12	210.56	64.63	216.88	66.57	221.09	67.86	229.51	71.74		
	43.00	133.95	47.57	154.56	57.65	175.17	65.99	206.08	65.84	212.26	67.81	216.38	69.13	224.63	73.08		
	46.00	116.48	52.10	134.40	62.16	152.32	71.15	179.20	74.90	184.58	77.14	188.16	78.64	195.33	83.13		
50.00	94.64	54.36	109.20	62.67	123.76	71.73	145.60	77.92	149.97	80.25	152.88	81.81	158.70	86.49			
90%	-5.00	134.97	33.84	155.74	37.45	176.50	42.86	207.65	45.12	213.88	46.47	218.03	47.37	226.34	50.08		
	0.00	134.97	33.84	155.74	37.45	176.50	42.86	207.65	45.12	213.88	46.47	218.03	47.37	226.34	50.08		
	5.00	134.97	33.84	155.74	37.45	176.50	42.86	207.65	45.12	213.88	46.47	218.03	47.37	226.34	50.08		
	10.00	133.66	33.84	154.22	37.45	174.79	42.86	205.63	45.12	211.80	46.47	215.91	47.37	224.14	50.08		
	15.00	133.66	34.22	154.22	37.86	174.79	43.34	205.63	45.62	211.80	46.99	215.91	47.90	224.14	50.64		
	20.00	137.59	33.84	158.76	37.45	179.93	42.86	211.68	45.12	218.03	46.47	222.26	47.37	230.73	50.08		
	25.00	133.66	34.59	154.22	38.28	174.79	43.82	205.63	46.12	211.80	47.51	215.91	48.43	224.14	51.19		
	30.00	134.97	35.72	155.74	39.53	176.50	45.24	207.65	47.63	213.88	49.05	218.03	50.01	226.34	52.86		
	35.00	131.04	37.60	151.20	41.61	171.36	47.63	201.60	50.13	207.65	51.64	211.68	52.64	219.74	55.65		
	39.00	125.80	38.73	145.15	44.52	164.51	50.96	193.54	52.64	199.34	54.22	203.21	55.27	210.95	58.43		
	41.00	123.18	39.10	142.13	45.77	161.08	52.39	189.50	53.64	195.19	55.25	198.98	56.32	206.56	59.54		
	43.00	120.56	39.48	139.10	47.85	157.65	54.77	185.47	54.64	191.04	56.28	194.75	57.38	202.16	60.65		
	46.00	112.12	41.68	129.37	49.73	146.62	56.92	172.49	59.92	177.66	61.71	181.11	62.91	188.01	66.51		
50.00	106.09	45.12	122.41	52.01	138.73	59.53	163.22	64.67	168.11	66.61	171.38	67.90	177.90	71.78			
80%	-5.00	119.97	28.95	138.43	32.03	156.89	36.67	184.58	38.60	190.11	39.75	193.80	40.53	201.19	42.84		
	0.00	119.97	28.95	138.43	32.03	156.89	36.67	184.58	38.60	190.11	39.75	193.80	40.53	201.19	42.84		
	5.00	119.97	28.95	138.43	32.03	156.89	36.67	184.58	38.60	190.11	39.75	193.80	40.53	201.19	42.84		
	10.00	118.81	28.95	137.09	32.03	155.37	36.67	182.78	38.60	188.27	39.75	191.92	40.53	199.23	42.84		
	15.00	118.81	29.27	137.09	32.39	155.37	37.07	182.78	39.02	188.27	40.20	191.92	40.98	199.23	43.32		
	20.00	122.30	28.95	141.12	32.03	159.94	36.67	188.16	38.60	193.80	39.75	197.57	40.53	205.09	42.84		
	25.00	118.81	29.59	137.09	32.75	155.37	37.48	182.78	39.45	188.27	40.64	191.92	41.43	199.23	43.79		
	30.00	122.97	30.55	141.89	33.81	160.81	38.70	189.19	40.74	194.87	41.96	198.65	42.78	206.22	45.22		
	35.00	119.39	32.16	137.76	35.59	156.13	40.74	183.68	42.88	189.19	44.17	192.86	45.03	200.21	47.60		
	39.00	114.62	33.13	132.25	38.09	149.88	43.59	176.33	45.03	181.62	46.38	185.15	47.28	192.20	49.98		
	41.00	112.23	33.45	129.49	39.15	146.76	44.81	172.66	45.89	177.84	47.26	181.29	48.18	188.20	50.93		
	43.00	109.84	33.77	126.74	40.93	143.64	46.85	168.99	46.74	174.06	48.15	177.43	49.08	184.19	51.89		
	46.00	103.67	36.99	119.62	44.14	135.56	50.52	159.49	53.18	164.27	54.77	167.46	55.83	173.84	59.03		
50.00	88.02	38.60	101.56	44.49	115.10	50.92	135.41	55.32	139.47	56.98	142.18	58.09	147.59	61.41			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT080S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI			
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW			
70%	-5.00	107.98	24.46	124.59	27.07	141.20	30.99	166.12	32.62	171.10	33.59	174.42	34.25	181.07	36.20		
	0.00	107.98	24.46	124.59	27.07	141.20	30.99	166.12	32.62	171.10	33.59	174.42	34.25	181.07	36.20		
	5.00	107.98	24.46	124.59	27.07	141.20	30.99	166.12	32.62	171.10	33.59	174.42	34.25	181.07	36.20		
	10.00	106.93	24.46	123.38	27.07	139.83	30.99	164.51	32.62	169.44	33.59	172.73	34.25	179.31	36.20		
	15.00	106.93	24.73	123.38	27.37	139.83	31.33	164.51	32.98	169.44	33.97	172.73	34.63	179.31	36.61		
	20.00	110.07	24.46	127.01	27.07	143.94	30.99	169.34	32.62	174.42	33.59	177.81	34.25	184.58	36.20		
	25.00	106.93	25.01	123.38	27.67	139.83	31.67	164.51	33.34	169.44	34.34	172.73	35.01	179.31	37.01		
	30.00	107.98	25.82	124.59	28.58	141.20	32.71	166.12	34.43	171.10	35.46	174.42	36.15	181.07	38.22		
	35.00	104.83	27.18	120.96	30.08	137.09	34.43	161.28	36.24	166.12	37.33	169.34	38.05	175.80	40.23		
	39.00	100.64	28.00	116.12	32.18	131.60	36.84	154.83	38.05	159.47	39.19	162.57	39.95	168.76	42.24		
	41.00	98.54	28.27	113.70	33.09	128.86	37.87	151.60	38.78	156.15	39.94	159.18	40.72	165.25	43.04		
	43.00	96.45	28.54	111.28	34.59	126.12	39.59	148.38	39.50	152.83	40.69	155.80	41.48	161.73	43.85		
	46.00	90.85	30.22	104.83	36.05	118.81	42.69	139.78	42.69	143.97	43.97	146.76	44.83	152.36	47.39		
50.00	73.82	30.99	85.18	35.72	96.53	43.04	113.57	44.41	116.98	45.74	119.25	46.63	123.79	49.30			
60%	-5.00	92.98	20.39	107.28	22.56	121.59	25.82	143.05	26.64	147.34	27.44	150.20	27.97	155.92	29.57		
	0.00	92.98	20.39	107.28	22.56	121.59	25.82	143.05	26.64	147.34	27.44	150.20	27.97	155.92	29.57		
	5.00	92.98	20.39	107.28	22.56	121.59	25.82	143.05	26.64	147.34	27.44	150.20	27.97	155.92	29.57		
	10.00	92.08	20.39	106.24	22.56	120.41	25.82	141.66	26.64	145.91	27.44	148.74	27.97	154.41	29.57		
	15.00	92.08	20.61	106.24	22.81	120.41	26.11	141.66	26.93	145.91	27.74	148.74	28.28	154.41	29.89		
	20.00	94.79	20.39	109.37	22.56	123.95	25.82	145.82	26.64	150.20	27.44	153.12	27.97	158.95	29.57		
	25.00	92.08	20.84	106.24	23.06	120.41	26.39	141.66	27.23	145.91	28.05	148.74	28.59	154.41	30.22		
	30.00	92.98	20.66	107.28	22.86	121.59	26.17	143.05	28.12	147.34	28.96	150.20	29.52	155.92	31.21		
	35.00	90.27	21.74	104.16	24.06	118.05	27.54	138.88	29.60	143.05	30.48	145.82	31.08	151.38	32.85		
	39.00	86.66	22.40	99.99	25.75	113.33	29.47	133.32	31.08	137.32	32.01	139.99	32.63	145.32	34.49		
	41.00	84.86	22.61	97.91	26.47	110.97	30.30	130.55	31.67	134.46	32.62	137.07	33.25	142.30	35.15		
	43.00	83.05	22.83	95.83	27.67	108.60	31.67	127.77	32.26	131.60	33.23	134.16	33.87	139.27	35.81		
	46.00	80.37	25.01	92.74	29.84	105.10	34.15	123.65	36.70	127.36	37.80	129.83	38.53	134.78	40.74		
50.00	65.30	26.09	75.35	30.08	85.39	34.43	100.46	38.18	103.48	39.32	105.49	40.09	109.51	42.38			
50%	-5.00	74.98	16.31	86.52	18.05	98.06	20.66	115.36	21.74	118.82	22.40	121.13	22.83	125.74	24.14		
	0.00	74.98	16.31	86.52	18.05	98.06	20.66	115.36	21.74	118.82	22.40	121.13	22.83	125.74	24.14		
	5.00	74.98	16.31	86.52	18.05	98.06	20.66	115.36	21.74	118.82	22.40	121.13	22.83	125.74	24.14		
	10.00	74.26	16.31	85.68	18.05	97.10	20.66	114.24	21.74	117.67	22.40	119.95	22.83	124.52	24.14		
	15.00	74.26	16.49	85.68	18.25	97.10	20.89	114.24	21.99	117.67	22.65	119.95	23.08	124.52	24.40		
	20.00	76.44	16.31	88.20	18.05	99.96	20.66	117.60	21.74	121.13	22.40	123.48	22.83	128.18	24.14		
	25.00	74.26	16.67	85.68	18.45	97.10	21.12	114.24	22.23	117.67	22.89	119.95	23.34	124.52	24.67		
	30.00	74.98	17.21	86.52	19.05	98.06	21.80	115.36	22.95	118.82	23.64	121.13	24.10	125.74	25.48		
	35.00	72.80	18.12	84.00	20.05	95.20	22.95	112.00	24.16	115.36	24.88	117.60	25.37	122.08	26.82		
	39.00	69.89	18.66	80.64	21.46	91.39	24.56	107.52	25.37	110.75	26.13	112.90	26.64	117.20	28.16		
	41.00	68.43	18.84	78.96	22.06	89.49	25.25	105.28	25.85	108.44	26.63	110.54	27.14	114.76	28.69		
	43.00	66.98	19.03	77.28	23.06	87.58	26.39	103.04	26.33	106.13	27.12	108.19	27.65	112.31	29.23		
	46.00	63.63	19.80	73.42	23.62	83.20	27.04	97.89	28.46	100.82	29.31	102.78	29.88	106.70	31.59		
50.00	61.62	20.66	71.10	23.81	80.58	27.26	94.80	29.61	97.64	30.50	99.54	31.09	103.33	32.86			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

		38VT082S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	164.41	42.55	189.70	47.09	214.99	53.90	252.93	56.73	260.52	58.43	265.58	59.57	275.70	62.97
	0.00	164.41	42.55	189.70	47.09	214.99	53.90	252.93	56.73	260.52	58.43	265.58	59.57	275.70	62.97
	5.00	164.41	42.55	189.70	47.09	214.99	53.90	252.93	56.73	260.52	58.43	265.58	59.57	275.70	62.97
	10.00	162.81	42.55	187.86	47.09	212.90	53.90	250.48	56.73	257.99	58.43	263.00	59.57	273.02	62.97
	15.00	162.81	43.02	187.86	47.61	212.90	54.49	250.48	57.36	257.99	59.08	263.00	60.23	273.02	63.67
	20.00	167.60	42.55	193.38	47.09	219.17	17.72	257.84	17.72	265.58	17.72	270.74	17.72	281.05	62.97
	25.00	162.81	43.49	187.86	48.13	212.90	55.09	250.48	57.99	257.99	59.73	263.00	60.89	273.02	64.37
	30.00	164.41	44.91	189.70	49.70	214.99	56.89	252.93	59.88	260.52	61.68	265.58	62.88	275.70	66.47
	35.00	159.62	47.28	184.17	52.32	208.73	59.88	245.57	63.04	252.93	64.93	257.84	66.19	267.67	69.97
	39.00	153.23	48.70	176.81	55.98	200.38	64.08	235.74	66.19	242.81	68.17	247.53	69.50	256.96	73.47
	41.00	150.04	49.65	173.12	58.12	196.21	66.52	230.83	68.11	237.76	70.15	242.37	71.52	251.61	75.60
	43.00	146.85	50.13	169.44	60.76	192.03	69.54	225.92	69.38	232.70	71.46	237.22	72.85	246.25	77.01
46.00	127.69	54.90	147.34	65.51	166.98	74.98	196.45	78.93	202.35	81.30	206.27	82.88	214.13	87.61	
50.00	103.75	57.29	119.71	66.04	135.67	75.59	159.62	82.11	164.41	84.58	167.60	86.22	173.98	91.15	
120%	-5.00	161.33	42.55	186.15	47.09	210.97	53.90	248.20	56.73	255.65	58.43	260.61	59.57	270.54	62.97
	0.00	161.33	42.55	186.15	47.09	210.97	53.90	248.20	56.73	255.65	58.43	260.61	59.57	270.54	62.97
	5.00	161.33	42.55	186.15	47.09	210.97	53.90	248.20	56.73	255.65	58.43	260.61	59.57	270.54	62.97
	10.00	159.77	42.55	184.35	47.09	208.93	53.90	245.79	56.73	253.17	58.43	258.08	59.57	267.92	62.97
	15.00	159.77	43.02	184.35	47.61	208.93	54.49	245.79	57.36	253.17	59.08	258.08	60.23	267.92	63.67
	20.00	164.47	42.55	189.77	47.09	215.07	53.90	253.02	56.73	260.61	58.43	265.67	59.57	275.80	62.97
	25.00	159.77	43.49	184.35	48.13	208.93	55.09	245.79	57.99	253.17	59.73	258.08	60.89	267.92	64.37
	30.00	161.33	44.91	186.15	49.70	210.97	56.89	248.20	59.88	255.65	61.68	260.61	62.88	270.54	66.47
	35.00	156.63	47.28	180.73	52.32	204.83	59.88	240.98	63.04	248.20	64.93	253.02	66.19	262.66	69.97
	39.00	150.37	48.46	173.50	55.71	196.64	63.77	231.34	65.87	238.28	68.17	242.90	71.52	251.61	75.60
	41.00	147.24	48.93	169.89	57.28	192.54	65.56	226.52	67.12	233.31	69.14	237.84	70.48	246.90	74.51
	43.00	144.10	49.40	166.27	59.88	188.44	68.54	221.70	68.38	228.35	70.43	232.78	71.80	241.65	75.90
46.00	125.31	54.11	144.59	64.57	163.86	73.90	192.78	77.79	198.56	80.12	202.42	81.68	210.13	86.35	
50.00	101.81	56.46	117.48	65.09	133.14	74.50	156.63	80.93	161.33	83.35	164.47	84.97	170.73	89.83	
110%	-5.00	158.26	42.34	182.61	46.86	206.96	53.63	243.48	56.45	250.78	58.15	255.65	59.28	265.39	62.66
	0.00	158.26	42.34	182.61	46.86	206.96	53.63	243.48	56.45	250.78	58.15	255.65	59.28	265.39	62.66
	5.00	158.26	42.34	182.61	46.86	206.96	53.63	243.48	56.45	250.78	58.15	255.65	59.28	265.39	62.66
	10.00	156.72	42.34	180.83	46.86	204.95	53.63	241.11	56.45	248.35	58.15	253.17	59.28	262.81	62.66
	15.00	156.72	42.81	180.83	47.38	204.95	54.23	241.11	57.08	248.35	58.79	253.17	59.94	262.81	63.36
	20.00	161.33	42.34	186.15	46.86	210.97	53.63	248.20	56.45	255.65	58.15	260.61	59.28	270.54	62.66
	25.00	156.72	43.28	180.83	47.90	204.95	54.82	241.11	57.71	248.35	59.44	253.17	60.59	262.81	64.06
	30.00	158.26	44.69	182.61	49.46	206.96	56.61	243.48	59.59	250.78	61.38	255.65	62.57	265.39	66.15
	35.00	153.65	47.05	177.29	52.06	200.93	59.59	236.39	62.73	243.48	64.61	248.20	65.86	257.66	69.63
	39.00	147.50	48.46	170.20	55.71	192.89	63.76	226.93	65.86	233.74	67.84	238.28	69.16	247.35	73.11
	41.00	144.43	48.93	166.65	57.27	188.87	65.55	222.20	67.12	228.87	69.13	233.31	70.47	242.20	74.50
	43.00	141.36	49.40	163.11	59.87	184.85	68.53	217.47	68.37	224.00	70.42	228.35	71.79	237.05	75.89
46.00	122.92	54.10	141.83	64.56	160.74	73.89	189.11	77.78	194.78	80.11	198.56	81.67	206.13	86.34	
50.00	99.87	56.45	115.24	65.08	130.60	74.49	153.65	80.92	158.26	83.35	161.33	84.96	167.48	89.82	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT082S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	153.65	41.72	177.29	46.16	200.93	52.84	236.39	55.62	243.48	57.29	248.20	58.40	257.66	61.74		
	0.00	153.65	41.72	177.29	46.16	200.93	52.84	236.39	55.62	243.48	57.29	248.20	58.40	257.66	61.74		
	5.00	153.65	41.72	177.29	46.16	200.93	52.84	236.39	55.62	243.48	57.29	248.20	58.40	257.66	61.74		
	10.00	152.16	41.72	175.57	46.16	198.98	52.84	234.09	55.62	241.11	57.29	245.79	58.40	255.16	61.74		
	15.00	152.16	42.18	175.57	46.68	198.98	53.43	234.09	56.24	241.11	57.93	245.79	59.05	255.16	62.42		
	20.00	156.63	41.72	180.73	46.16	204.83	52.84	240.98	55.62	248.20	57.29	253.02	58.40	262.66	61.74		
	25.00	152.16	42.64	175.57	47.19	198.98	54.01	234.09	56.86	241.11	58.56	245.79	59.70	255.16	63.11		
	30.00	153.65	44.03	177.29	48.73	200.93	55.77	236.39	58.71	243.48	60.47	248.20	61.65	257.66	65.17		
	35.00	149.18	46.35	172.13	51.29	195.08	58.71	229.50	61.80	236.39	63.65	240.98	64.89	250.16	68.60		
	39.00	143.21	47.74	165.24	54.88	187.27	62.82	220.32	64.89	226.93	66.84	231.34	68.13	240.15	72.03		
	41.00	140.22	48.20	161.80	56.42	183.37	64.58	215.73	66.13	222.20	68.11	226.52	69.43	235.15	73.40		
	43.00	137.24	48.67	158.36	58.99	179.47	67.52	211.14	67.36	217.47	69.38	221.70	70.73	230.14	74.77		
	46.00	119.34	53.30	137.70	63.60	156.06	72.80	183.60	76.63	189.11	78.93	192.78	80.46	200.12	85.06		
50.00	96.96	55.62	111.88	64.12	126.80	73.39	149.18	79.72	153.65	82.11	156.63	83.71	162.60	88.49			
90%	-5.00	138.29	34.62	159.56	38.32	180.83	43.86	212.75	46.16	219.13	47.55	223.38	48.47	231.89	51.24		
	0.00	138.29	34.62	159.56	38.32	180.83	43.86	212.75	46.16	219.13	47.55	223.38	48.47	231.89	51.24		
	5.00	138.29	34.62	159.56	38.32	180.83	43.86	212.75	46.16	219.13	47.55	223.38	48.47	231.89	51.24		
	10.00	136.94	34.62	158.01	38.32	179.08	43.86	210.68	46.16	217.00	47.55	221.22	48.47	229.64	51.24		
	15.00	136.94	35.01	158.01	38.74	179.08	44.34	210.68	46.68	217.00	48.08	221.22	49.01	229.64	51.81		
	20.00	140.97	34.62	162.66	38.32	184.35	43.86	216.88	46.16	223.38	47.55	227.72	48.47	236.40	51.24		
	25.00	136.94	35.39	158.01	39.17	179.08	44.83	210.68	47.19	217.00	48.61	221.22	49.55	229.64	52.38		
	30.00	138.29	36.55	159.56	40.45	180.83	46.29	212.75	48.73	219.13	50.19	223.38	51.17	231.89	54.09		
	35.00	134.26	38.47	154.91	42.57	175.57	48.73	206.55	51.29	212.75	52.83	216.88	53.86	225.14	56.94		
	39.00	128.89	39.62	148.72	45.55	168.54	52.14	198.29	53.86	204.24	55.47	208.20	56.55	216.13	59.78		
	41.00	126.20	40.01	145.62	46.83	165.03	53.60	194.16	54.88	199.98	56.53	203.86	57.63	211.63	60.92		
	43.00	123.52	40.39	142.52	48.96	161.52	56.04	190.03	55.91	195.73	57.59	199.53	58.71	207.13	62.06		
	46.00	114.87	42.64	132.54	50.88	150.22	58.24	176.72	61.31	182.03	63.14	185.56	64.37	192.63	68.05		
50.00	108.69	46.16	125.42	53.22	142.14	60.91	167.22	66.17	172.24	68.15	175.58	69.48	182.27	73.45			
80%	-5.00	122.92	29.62	141.83	32.78	160.74	37.52	189.11	39.49	194.78	40.67	198.56	41.46	206.13	43.83		
	0.00	122.92	29.62	141.83	32.78	160.74	37.52	189.11	39.49	194.78	40.67	198.56	41.46	206.13	43.83		
	5.00	122.92	29.62	141.83	32.78	160.74	37.52	189.11	39.49	194.78	40.67	198.56	41.46	206.13	43.83		
	10.00	121.73	29.62	140.45	32.78	159.18	37.52	187.27	39.49	192.89	40.67	196.64	41.46	204.13	43.83		
	15.00	121.73	29.95	140.45	33.14	159.18	37.93	187.27	39.93	192.89	41.13	196.64	41.93	204.13	44.32		
	20.00	125.31	29.62	144.59	32.78	163.86	37.52	192.78	39.49	198.56	40.67	202.42	41.46	210.13	43.83		
	25.00	121.73	30.28	140.45	33.51	159.18	38.35	187.27	40.37	192.89	41.58	196.64	42.39	204.13	44.81		
	30.00	125.99	31.26	145.38	34.60	164.76	39.60	193.84	41.68	199.65	42.93	203.53	43.77	211.28	46.27		
	35.00	122.32	32.91	141.14	36.42	159.96	41.68	188.19	43.88	193.84	45.19	197.60	46.07	205.13	48.70		
	39.00	117.43	33.90	135.50	38.97	153.56	44.60	180.66	46.07	186.08	47.45	189.70	48.38	196.92	51.14		
	41.00	114.98	34.22	132.67	40.06	150.36	45.85	176.90	46.95	182.21	48.36	185.74	49.30	192.82	52.11		
	43.00	112.54	34.55	129.85	41.88	147.16	47.94	173.13	47.83	178.33	49.26	181.79	50.22	188.72	53.09		
	46.00	106.21	37.84	122.55	45.16	138.89	51.69	163.40	54.41	168.31	56.04	171.57	57.13	178.11	60.39		
50.00	90.18	39.49	104.05	45.52	117.92	52.11	138.73	56.60	142.89	58.30	145.67	59.43	151.22	62.83			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT082S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	110.63	25.03	127.65	27.70	144.67	31.70	170.20	33.37	175.30	34.37	178.71	35.04	185.51	37.04		
	0.00	110.63	25.03	127.65	27.70	144.67	31.70	170.20	33.37	175.30	34.37	178.71	35.04	185.51	37.04		
	5.00	110.63	25.03	127.65	27.70	144.67	31.70	170.20	33.37	175.30	34.37	178.71	35.04	185.51	37.04		
	10.00	109.55	25.03	126.41	27.70	143.26	31.70	168.54	33.37	173.60	34.37	176.97	35.04	183.71	37.04		
	15.00	109.55	25.31	126.41	28.01	143.26	32.06	168.54	33.74	173.60	34.76	176.97	35.43	183.71	37.45		
	20.00	112.78	25.03	130.13	27.70	147.48	31.70	173.50	33.37	178.71	34.37	182.18	35.04	189.12	37.04		
	25.00	109.55	25.59	126.41	28.31	143.26	32.41	168.54	34.11	173.60	35.14	176.97	35.82	183.71	37.87		
	30.00	110.63	26.42	127.65	29.24	144.67	33.46	170.20	35.23	175.30	36.28	178.71	36.99	185.51	39.10		
	35.00	107.41	27.81	123.93	30.78	140.45	35.23	165.24	37.08	170.20	38.19	173.50	38.93	180.11	41.16		
	39.00	103.11	28.64	118.97	32.93	134.84	37.69	158.63	38.93	163.39	40.10	166.56	40.88	172.91	43.22		
	41.00	100.96	28.92	116.49	33.85	132.03	38.75	155.33	39.68	159.99	40.87	163.09	41.66	169.30	44.04		
	43.00	98.81	29.20	114.02	35.39	129.22	40.51	152.02	40.42	156.58	41.63	159.62	42.44	165.70	44.86		
46.00	93.09	30.77	107.41	36.72	121.73	43.10	143.21	43.68	147.50	44.99	150.37	45.86	156.10	48.49			
50.00	75.63	31.70	87.27	36.55	98.90	43.44	116.36	45.44	119.85	46.80	122.17	47.71	126.83	50.44			
60%	-5.00	95.26	20.75	109.92	22.96	124.57	26.28	146.56	27.25	150.96	28.07	153.89	28.62	159.75	30.25		
	0.00	95.26	20.75	109.92	22.96	124.57	26.28	146.56	27.25	150.96	28.07	153.89	28.62	159.75	30.25		
	5.00	95.26	20.75	109.92	22.96	124.57	26.28	146.56	27.25	150.96	28.07	153.89	28.62	159.75	30.25		
	10.00	94.34	20.75	108.85	22.96	123.37	26.28	145.14	27.25	149.49	28.07	152.39	28.62	158.20	30.25		
	15.00	94.34	20.98	108.85	23.21	123.37	26.57	145.14	27.56	149.49	28.38	152.39	28.93	158.20	30.59		
	20.00	97.11	20.75	112.05	22.96	126.99	26.28	149.40	27.25	153.89	28.07	156.87	28.62	162.85	30.25		
	25.00	94.34	21.21	108.85	23.47	123.37	26.86	145.14	27.86	149.49	28.70	152.39	29.25	158.20	30.92		
	30.00	95.26	21.25	109.92	23.52	124.57	26.92	146.56	28.77	150.96	29.63	153.89	30.21	159.75	31.93		
	35.00	92.49	22.37	106.72	24.76	120.95	28.34	142.29	30.28	146.56	31.19	149.40	31.80	155.10	33.61		
	39.00	88.79	23.04	102.45	26.49	116.11	30.32	136.60	31.80	140.70	32.75	143.43	33.39	148.89	35.29		
	41.00	86.94	23.27	100.31	27.23	113.69	31.17	133.75	32.40	137.77	33.37	140.44	34.02	145.79	35.97		
	43.00	85.09	23.49	98.18	28.47	111.27	32.59	130.91	33.01	134.83	34.00	137.45	34.66	142.69	36.64		
46.00	82.34	25.73	95.01	30.70	107.68	35.14	126.68	37.55	130.48	38.68	133.02	39.43	138.09	41.68			
50.00	66.90	26.85	77.20	30.95	87.49	35.42	102.93	39.06	106.02	40.24	108.08	41.02	112.19	43.36			
50%	-5.00	76.83	16.69	88.64	18.47	100.46	21.14	118.19	22.25	121.74	22.92	124.10	23.36	128.83	24.70		
	0.00	76.83	16.69	88.64	18.47	100.46	21.14	118.19	22.25	121.74	22.92	124.10	23.36	128.83	24.70		
	5.00	76.83	16.69	88.64	18.47	100.46	21.14	118.19	22.25	121.74	22.92	124.10	23.36	128.83	24.70		
	10.00	76.08	16.69	87.78	18.47	99.49	21.14	117.05	22.25	120.56	22.92	122.90	23.36	127.58	24.70		
	15.00	76.08	16.87	87.78	18.67	99.49	21.37	117.05	22.50	120.56	23.17	122.90	23.62	127.58	24.97		
	20.00	78.32	16.69	90.37	18.47	102.41	21.14	120.49	22.25	124.10	22.92	126.51	23.36	131.33	24.70		
	25.00	76.08	17.06	87.78	18.88	99.49	21.61	117.05	22.74	120.56	23.42	122.90	23.88	127.58	25.24		
	30.00	76.83	17.61	88.64	19.49	100.46	22.31	118.19	23.48	121.74	24.19	124.10	24.66	128.83	26.07		
	35.00	74.59	18.54	86.06	20.52	97.54	23.48	114.75	24.72	118.19	25.46	120.49	25.96	125.08	27.44		
	39.00	71.60	19.10	82.62	21.95	93.64	25.13	110.16	25.96	113.46	26.73	115.67	27.25	120.07	28.81		
	41.00	70.11	19.28	80.90	22.57	91.69	25.83	107.87	26.45	111.10	27.24	113.26	27.77	117.57	29.36		
	43.00	68.62	19.47	79.18	23.60	89.73	27.01	105.57	26.94	108.74	27.75	110.85	28.29	115.07	29.91		
46.00	65.19	20.25	75.22	24.17	85.25	27.66	100.29	29.12	103.30	29.99	105.31	30.58	109.32	32.32			
50.00	63.13	21.14	72.84	24.36	82.56	27.89	97.12	30.29	100.04	31.20	101.98	31.81	105.87	33.63			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT084S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	168.35	43.51	194.25	48.15	220.14	55.12	258.99	58.02	266.76	59.76	271.94	60.92	282.30	64.40		
	0.00	168.35	43.51	194.25	48.15	220.14	55.12	258.99	58.02	266.76	59.76	271.94	60.92	282.30	64.40		
	5.00	168.35	43.51	194.25	48.15	220.14	55.12	258.99	58.02	266.76	59.76	271.94	60.92	282.30	64.40		
	10.00	166.71	43.51	192.36	48.15	218.01	55.12	256.48	58.02	264.17	59.76	269.30	60.92	279.56	64.40		
	15.00	166.71	44.00	192.36	48.69	218.01	55.73	256.48	58.66	264.17	60.42	269.30	61.60	279.56	65.12		
	20.00	171.61	43.51	198.02	48.15	224.42	17.72	264.02	17.72	271.94	17.72	277.22	17.72	287.78	64.40		
	25.00	166.71	44.48	192.36	49.22	218.01	56.34	256.48	59.31	264.17	61.09	269.30	62.27	279.56	65.83		
	30.00	168.35	45.93	194.25	50.83	220.14	58.18	258.99	61.24	266.76	63.08	271.94	64.30	282.30	67.98		
	35.00	163.44	48.35	188.59	53.51	213.73	61.24	251.45	64.46	258.99	66.40	264.02	67.69	274.08	71.56		
	39.00	156.90	49.80	181.04	57.25	205.18	65.53	241.39	67.69	248.63	69.72	253.46	71.07	263.12	75.13		
	41.00	153.64	50.77	177.27	59.43	200.91	68.03	236.36	69.65	243.45	71.74	248.18	73.14	257.64	77.31		
	43.00	150.37	51.26	173.50	62.13	196.63	71.12	231.33	70.95	238.27	73.08	242.90	74.50	252.15	78.76		
46.00	130.75	56.15	150.87	67.00	170.99	76.68	201.16	80.72	207.19	83.14	211.22	84.75	219.26	89.60			
50.00	106.24	58.59	122.58	67.54	138.93	77.30	163.44	83.97	168.35	86.49	171.61	88.17	178.15	93.21			
120%	-5.00	165.20	43.51	190.61	48.15	216.03	55.12	254.15	58.02	261.78	59.76	266.86	60.92	277.03	64.40		
	0.00	165.20	43.51	190.61	48.15	216.03	55.12	254.15	58.02	261.78	59.76	266.86	60.92	277.03	64.40		
	5.00	165.20	43.51	190.61	48.15	216.03	55.12	254.15	58.02	261.78	59.76	266.86	60.92	277.03	64.40		
	10.00	163.60	43.51	188.76	48.15	213.93	55.12	251.69	58.02	259.24	59.76	264.27	60.92	274.34	64.40		
	15.00	163.60	44.00	188.76	48.69	213.93	55.73	251.69	58.66	259.24	60.42	264.27	61.60	274.34	65.12		
	20.00	168.41	43.51	194.32	48.15	220.22	55.12	259.09	58.02	266.86	59.76	272.04	60.92	282.41	64.40		
	25.00	163.60	44.48	188.76	49.22	213.93	56.34	251.69	59.31	259.24	61.09	264.27	62.27	274.34	65.83		
	30.00	165.20	45.93	190.61	50.83	216.03	58.18	254.15	61.24	261.78	63.08	266.86	64.30	277.03	67.98		
	35.00	160.39	48.35	185.06	53.51	209.74	61.24	246.75	64.46	254.15	66.40	259.09	67.69	268.96	71.56		
	39.00	153.97	49.56	177.66	56.98	201.35	65.21	236.88	67.36	243.99	69.72	253.46	71.07	263.12	75.13		
	41.00	150.76	50.04	173.96	58.57	197.15	67.04	231.95	68.65	238.90	70.70	243.54	72.08	252.82	76.20		
	43.00	147.56	50.52	170.26	61.24	192.96	70.09	227.01	69.93	233.82	72.03	238.36	73.42	247.44	77.62		
46.00	128.31	55.33	148.05	66.03	167.79	75.57	197.40	79.55	203.32	81.94	207.27	83.53	215.17	88.30			
50.00	104.25	57.74	120.29	66.56	136.33	76.18	160.39	82.76	165.20	85.24	168.41	86.90	174.82	91.86			
110%	-5.00	162.05	43.30	186.98	47.92	211.91	54.85	249.31	57.73	256.79	59.47	261.78	60.62	271.75	64.08		
	0.00	162.05	43.30	186.98	47.92	211.91	54.85	249.31	57.73	256.79	59.47	261.78	60.62	271.75	64.08		
	5.00	162.05	43.30	186.98	47.92	211.91	54.85	249.31	57.73	256.79	59.47	261.78	60.62	271.75	64.08		
	10.00	160.48	43.30	185.17	47.92	209.86	54.85	246.89	57.73	254.30	59.47	259.24	60.62	269.11	64.08		
	15.00	160.48	43.78	185.17	48.45	209.86	55.46	246.89	58.37	254.30	60.13	259.24	61.29	269.11	64.80		
	20.00	165.20	43.30	190.61	47.92	216.03	54.85	254.15	57.73	261.78	59.47	266.86	60.62	277.03	64.08		
	25.00	160.48	44.26	185.17	48.98	209.86	56.07	246.89	59.02	254.30	60.79	259.24	61.97	269.11	65.51		
	30.00	162.05	45.71	186.98	50.58	211.91	57.89	249.31	60.94	256.79	62.77	261.78	63.99	271.75	67.64		
	35.00	157.33	48.11	181.54	53.24	205.74	60.94	242.05	64.15	249.31	66.07	254.15	67.36	263.83	71.20		
	39.00	151.04	49.55	174.28	56.97	197.51	65.21	232.37	67.36	239.34	69.38	243.99	70.72	253.28	74.76		
	41.00	147.89	50.04	170.65	58.57	193.40	67.03	227.53	68.64	234.35	70.70	238.90	72.07	248.00	76.19		
	43.00	144.75	50.52	167.01	61.23	189.28	70.08	222.69	69.92	229.37	72.02	233.82	73.42	242.73	77.61		
46.00	125.87	55.33	145.23	66.02	164.59	75.57	193.64	79.54	199.45	81.93	203.32	83.52	211.07	88.29			
50.00	102.27	57.73	118.00	66.55	133.73	76.18	157.33	82.75	162.05	85.23	165.20	86.89	171.49	91.85			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT084S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	157.33	42.66	181.54	47.21	205.74	54.04	242.05	56.88	249.31	58.59	254.15	59.72	263.83	63.14
	0.00	157.33	42.66	181.54	47.21	205.74	54.04	242.05	56.88	249.31	58.59	254.15	59.72	263.83	63.14
	5.00	157.33	42.66	181.54	47.21	205.74	54.04	242.05	56.88	249.31	58.59	254.15	59.72	263.83	63.14
	10.00	155.81	42.66	179.78	47.21	203.75	54.04	239.70	56.88	246.89	58.59	251.69	59.72	261.27	63.14
	15.00	155.81	43.13	179.78	47.73	203.75	54.64	239.70	57.51	246.89	59.24	251.69	60.39	261.27	63.84
	20.00	160.39	42.66	185.06	47.21	209.74	54.04	246.75	56.88	254.15	58.59	259.09	59.72	268.96	63.14
	25.00	155.81	43.61	179.78	48.26	203.75	55.24	239.70	58.14	246.89	59.89	251.69	61.05	261.27	64.54
	30.00	157.33	45.03	181.54	49.83	205.74	57.04	242.05	60.04	249.31	61.84	254.15	63.04	263.83	66.64
	35.00	152.75	47.40	176.25	52.46	199.75	60.04	235.00	63.20	242.05	65.10	246.75	66.36	256.15	70.15
	39.00	146.64	48.82	169.20	56.13	191.76	64.24	225.60	66.36	232.37	68.35	236.88	69.68	245.90	73.66
	41.00	143.59	49.30	165.68	57.70	187.77	66.04	220.90	67.62	227.53	69.65	231.95	71.01	240.78	75.06
	43.00	140.53	49.77	162.15	60.32	183.77	69.05	216.20	68.89	222.69	70.95	227.01	72.33	235.66	76.47
46.00	122.20	54.51	141.00	65.05	159.80	74.45	188.00	78.37	193.64	80.72	197.40	82.29	204.92	86.99	
50.00	99.29	56.88	114.56	65.57	129.84	75.05	152.75	81.53	157.33	83.97	160.39	85.60	166.50	90.50	
90%	-5.00	141.60	35.41	163.38	39.18	185.17	44.85	217.85	47.21	224.38	48.63	228.74	49.57	237.45	52.40
	0.00	141.60	35.41	163.38	39.18	185.17	44.85	217.85	47.21	224.38	48.63	228.74	49.57	237.45	52.40
	5.00	141.60	35.41	163.38	39.18	185.17	44.85	217.85	47.21	224.38	48.63	228.74	49.57	237.45	52.40
	10.00	140.22	35.41	161.80	39.18	183.37	44.85	215.73	47.21	222.20	48.63	226.52	49.57	235.15	52.40
	15.00	140.22	35.80	161.80	39.62	183.37	45.35	215.73	47.73	222.20	49.17	226.52	50.12	235.15	52.99
	20.00	144.35	35.41	166.56	39.18	188.76	44.85	222.08	47.21	228.74	48.63	233.18	49.57	242.06	52.40
	25.00	140.22	36.19	161.80	40.06	183.37	45.85	215.73	48.26	222.20	49.71	226.52	50.67	235.15	53.57
	30.00	141.60	37.37	163.38	41.36	185.17	47.34	217.85	49.83	224.38	51.33	228.74	52.32	237.45	55.31
	35.00	137.48	39.34	158.63	43.54	179.78	49.83	211.50	52.46	217.85	54.03	222.08	55.08	230.54	58.23
	39.00	131.98	40.52	152.28	46.59	172.58	53.32	203.04	55.08	209.13	56.73	213.19	57.83	221.31	61.14
	41.00	129.23	40.92	149.11	47.89	168.99	54.82	198.81	56.13	204.77	57.81	208.75	58.93	216.70	62.30
	43.00	126.48	41.31	145.94	50.07	165.39	57.31	194.58	57.18	200.42	58.89	204.31	60.04	212.09	63.47
46.00	117.62	43.61	135.72	52.04	153.82	59.56	180.96	62.69	186.39	64.58	190.01	65.83	197.25	69.59	
50.00	111.30	47.21	128.42	54.42	145.55	62.29	171.23	67.67	176.37	69.70	179.79	71.05	186.64	75.11	
80%	-5.00	125.87	30.29	145.23	33.52	164.59	38.37	193.64	40.38	199.45	41.60	203.32	42.40	211.07	44.83
	0.00	125.87	30.29	145.23	33.52	164.59	38.37	193.64	40.38	199.45	41.60	203.32	42.40	211.07	44.83
	5.00	125.87	30.29	145.23	33.52	164.59	38.37	193.64	40.38	199.45	41.60	203.32	42.40	211.07	44.83
	10.00	124.64	30.29	143.82	33.52	163.00	38.37	191.76	40.38	197.51	41.60	201.35	42.40	209.02	44.83
	15.00	124.64	30.63	143.82	33.89	163.00	38.79	191.76	40.83	197.51	42.06	201.35	42.88	209.02	45.33
	20.00	128.31	30.29	148.05	33.52	167.79	38.37	197.40	40.38	203.32	41.60	207.27	42.40	215.17	44.83
	25.00	124.64	30.96	143.82	34.26	163.00	39.22	191.76	41.28	197.51	42.52	201.35	43.35	209.02	45.82
	30.00	129.01	31.97	148.86	35.38	168.71	40.50	198.48	42.63	204.44	43.91	208.41	44.76	216.34	47.32
	35.00	125.26	33.65	144.53	37.24	163.80	42.63	192.70	44.87	198.48	46.22	202.34	47.12	210.04	49.81
	39.00	120.24	34.66	138.74	39.85	157.24	45.61	184.99	47.12	190.54	48.53	194.24	49.47	201.64	52.30
	41.00	117.74	35.00	135.85	40.97	153.97	46.89	181.14	48.01	186.57	49.45	190.19	50.41	197.44	53.29
	43.00	115.23	35.34	132.96	42.83	150.69	49.02	177.28	48.91	182.60	50.38	186.15	51.36	193.24	54.29
46.00	108.76	38.70	125.49	46.18	142.22	52.86	167.32	55.64	172.34	57.31	175.69	58.42	182.38	61.76	
50.00	92.34	40.38	106.54	46.55	120.75	53.29	142.06	57.88	146.32	59.62	149.16	60.78	154.84	64.25	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT084S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	113.28	25.60	130.71	28.33	148.13	32.42	174.28	34.13	179.50	35.15	182.99	35.83	189.96	37.88
	0.00	113.28	25.60	130.71	28.33	148.13	32.42	174.28	34.13	179.50	35.15	182.99	35.83	189.96	37.88
	5.00	113.28	25.60	130.71	28.33	148.13	32.42	174.28	34.13	179.50	35.15	182.99	35.83	189.96	37.88
	10.00	112.18	25.60	129.44	28.33	146.70	32.42	172.58	34.13	177.76	35.15	181.21	35.83	188.12	37.88
	15.00	112.18	25.88	129.44	28.64	146.70	32.78	172.58	34.51	177.76	35.54	181.21	36.23	188.12	38.30
	20.00	115.48	25.60	133.25	28.33	151.01	32.42	177.66	34.13	182.99	35.15	186.54	35.83	193.65	37.88
	25.00	112.18	26.16	129.44	28.96	146.70	33.14	172.58	34.89	177.76	35.93	181.21	36.63	188.12	38.72
	30.00	113.28	27.02	130.71	29.90	148.13	34.22	174.28	36.02	179.50	37.10	182.99	37.83	189.96	39.99
	35.00	109.98	28.44	126.90	31.47	143.82	36.02	169.20	37.92	174.28	39.06	177.66	39.82	184.43	42.09
	39.00	105.58	29.29	121.82	33.68	138.07	38.55	162.43	39.82	167.30	41.01	170.55	41.81	177.05	44.20
	41.00	103.38	29.58	119.29	34.62	135.19	39.63	159.05	40.57	163.82	41.79	167.00	42.60	173.36	45.04
	43.00	101.18	29.86	116.75	36.19	132.31	41.43	155.66	41.33	160.33	42.57	163.45	43.40	169.67	45.88
46.00	95.32	31.33	109.98	37.39	124.64	43.50	146.64	44.67	151.04	46.01	153.97	46.90	159.84	49.58	
50.00	77.44	32.42	89.36	37.37	101.27	43.85	119.15	46.47	122.72	47.87	125.10	48.79	129.87	51.58	
60%	-5.00	97.55	21.11	112.55	23.36	127.56	26.74	150.07	27.87	154.57	28.71	157.57	29.26	163.58	30.94
	0.00	97.55	21.11	112.55	23.36	127.56	26.74	150.07	27.87	154.57	28.71	157.57	29.26	163.58	30.94
	5.00	97.55	21.11	112.55	23.36	127.56	26.74	150.07	27.87	154.57	28.71	157.57	29.26	163.58	30.94
	10.00	96.60	21.11	111.46	23.36	126.32	26.74	148.61	27.87	153.07	28.71	156.04	29.26	161.99	30.94
	15.00	96.60	21.34	111.46	23.62	126.32	27.03	148.61	28.18	153.07	29.03	156.04	29.59	161.99	31.28
	20.00	99.44	21.11	114.74	23.36	130.04	26.74	152.99	27.87	157.57	28.71	160.63	29.26	166.75	30.94
	25.00	96.60	21.58	111.46	23.88	126.32	27.33	148.61	28.49	153.07	29.35	156.04	29.92	161.99	31.62
	30.00	97.55	21.85	112.55	24.18	127.56	27.68	150.07	29.42	154.57	30.30	157.57	30.89	163.58	32.66
	35.00	94.71	23.00	109.28	25.45	123.85	29.13	145.70	30.97	150.07	31.90	152.99	32.52	158.81	34.37
	39.00	90.92	23.69	104.90	27.23	118.89	31.17	139.87	32.52	144.07	33.49	146.87	34.14	152.46	36.09
	41.00	89.02	23.92	102.72	28.00	116.41	32.05	136.96	33.14	141.07	34.13	143.81	34.79	149.28	36.78
	43.00	87.13	24.15	100.53	29.27	113.94	33.50	134.04	33.76	138.07	34.77	140.75	35.44	146.11	37.47
46.00	84.32	26.45	97.29	31.56	110.26	36.12	129.72	38.40	133.61	39.55	136.21	40.32	141.39	42.62	
50.00	68.51	27.60	79.05	31.82	89.59	36.42	105.40	39.95	108.56	41.15	110.67	41.95	114.88	44.34	
50%	-5.00	78.67	17.06	90.77	18.88	102.87	21.61	121.03	22.75	124.66	23.43	127.08	23.89	131.92	25.25
	0.00	78.67	17.06	90.77	18.88	102.87	21.61	121.03	22.75	124.66	23.43	127.08	23.89	131.92	25.25
	5.00	78.67	17.06	90.77	18.88	102.87	21.61	121.03	22.75	124.66	23.43	127.08	23.89	131.92	25.25
	10.00	77.90	17.06	89.89	18.88	101.87	21.61	119.85	22.75	123.45	23.43	125.84	23.89	130.64	25.25
	15.00	77.90	17.25	89.89	19.09	101.87	21.85	119.85	23.00	123.45	23.69	125.84	24.16	130.64	25.54
	20.00	80.19	17.06	92.53	18.88	104.87	21.61	123.38	22.75	127.08	23.43	129.54	23.89	134.48	25.25
	25.00	77.90	17.44	89.89	19.30	101.87	22.09	119.85	23.26	123.45	23.96	125.84	24.42	130.64	25.82
	30.00	78.67	18.01	90.77	19.93	102.87	22.82	121.03	24.02	124.66	24.74	127.08	25.22	131.92	26.66
	35.00	76.38	18.96	88.13	20.98	99.88	24.02	117.50	25.28	121.03	26.04	123.38	26.54	128.08	28.06
	39.00	73.32	19.53	84.60	22.45	95.88	25.70	112.80	26.54	116.18	27.34	118.44	27.87	122.95	29.46
	41.00	71.79	19.72	82.84	23.08	93.88	26.42	110.45	27.05	113.76	27.86	115.97	28.40	120.39	30.03
	43.00	70.27	19.91	81.08	24.13	91.89	27.62	108.10	27.56	111.34	28.38	113.51	28.93	117.83	30.59
46.00	66.75	20.71	77.02	24.72	87.29	28.29	102.70	29.78	105.78	30.67	107.83	31.27	111.94	33.06	
50.00	64.64	21.61	74.59	24.92	84.53	28.52	99.45	30.98	102.44	31.91	104.42	32.53	108.40	34.39	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT086S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	172.29	44.48	198.79	49.22	225.30	56.34	265.06	59.30	273.01	61.08	278.31	62.27	288.91	65.83		
	0.00	172.29	44.48	198.79	49.22	225.30	56.34	265.06	59.30	273.01	61.08	278.31	62.27	288.91	65.83		
	5.00	172.29	44.48	198.79	49.22	225.30	56.34	265.06	59.30	273.01	61.08	278.31	62.27	288.91	65.83		
	10.00	170.61	44.48	196.86	49.22	223.11	56.34	262.48	59.30	270.36	61.08	275.61	62.27	286.11	65.83		
	15.00	170.61	44.97	196.86	49.77	223.11	56.96	262.48	59.96	270.36	61.76	275.61	62.96	286.11	66.56		
	20.00	175.63	44.48	202.65	49.22	229.67	17.72	270.20	17.72	278.31	17.72	283.71	17.72	294.52	65.83		
	25.00	170.61	45.47	196.86	50.32	223.11	57.59	262.48	60.62	270.36	62.44	275.61	63.65	286.11	67.29		
	30.00	172.29	46.95	198.79	51.96	225.30	59.47	265.06	62.60	273.01	64.48	278.31	65.73	288.91	69.48		
	35.00	167.27	49.42	193.00	54.69	218.73	62.60	257.34	65.89	265.06	67.87	270.20	69.19	280.50	73.14		
	39.00	160.58	50.90	185.28	58.52	209.99	66.98	247.04	69.19	254.45	71.26	259.39	72.65	269.28	76.80		
	41.00	157.23	51.90	181.42	60.75	205.61	69.53	241.89	71.20	249.15	73.33	253.99	74.76	263.67	79.03		
	43.00	153.89	52.40	177.56	63.51	201.24	72.69	236.75	72.53	243.85	74.70	248.59	76.15	258.06	80.50		
	46.00	133.81	57.39	154.40	68.48	174.99	78.38	205.87	82.51	212.04	84.98	216.16	86.63	224.40	91.58		
50.00	108.72	59.88	125.45	69.03	142.18	79.01	167.27	85.83	172.29	88.41	175.63	90.13	182.32	95.28			
120%	-5.00	169.07	44.48	195.08	49.22	221.09	56.34	260.10	59.30	267.90	61.08	273.11	62.27	283.51	65.83		
	0.00	169.07	44.48	195.08	49.22	221.09	56.34	260.10	59.30	267.90	61.08	273.11	62.27	283.51	65.83		
	5.00	169.07	44.48	195.08	49.22	221.09	56.34	260.10	59.30	267.90	61.08	273.11	62.27	283.51	65.83		
	10.00	167.42	44.48	193.18	49.22	218.94	56.34	257.58	59.30	265.30	61.08	270.45	62.27	280.76	65.83		
	15.00	167.42	44.97	193.18	49.77	218.94	56.96	257.58	59.96	265.30	61.76	270.45	62.96	280.76	66.56		
	20.00	172.35	44.48	198.86	49.22	225.38	56.34	265.15	59.30	273.11	61.08	278.41	62.27	289.01	65.83		
	25.00	167.42	45.47	193.18	50.32	218.94	57.59	257.58	60.62	265.30	62.44	270.45	63.65	280.76	67.29		
	30.00	169.07	46.95	195.08	51.96	221.09	59.47	260.10	62.60	267.90	64.48	273.11	65.73	283.51	69.48		
	35.00	164.14	49.42	189.39	54.69	214.65	62.60	252.53	65.89	260.10	67.87	265.15	69.19	275.25	73.14		
	39.00	157.58	50.66	181.82	58.24	206.06	66.66	242.42	68.85	249.70	71.26	254.55	72.65	269.28	76.80		
	41.00	154.29	51.15	178.03	59.87	201.77	68.53	237.37	70.17	244.49	72.27	249.24	73.67	258.06	79.03		
	43.00	151.01	51.64	174.24	62.59	197.47	71.64	232.32	71.48	239.29	73.62	243.94	75.05	253.23	79.34		
	46.00	131.31	56.56	151.52	67.49	171.72	77.25	202.02	81.31	208.08	83.75	212.12	85.38	220.20	90.26		
50.00	106.69	59.02	123.11	68.03	139.52	77.87	164.14	84.59	169.07	87.13	172.35	88.82	178.91	93.90			
110%	-5.00	165.85	44.26	191.36	48.98	216.87	56.06	255.15	59.01	262.80	60.78	267.90	61.96	278.11	65.50		
	0.00	165.85	44.26	191.36	48.98	216.87	56.06	255.15	59.01	262.80	60.78	267.90	61.96	278.11	65.50		
	5.00	165.85	44.26	191.36	48.98	216.87	56.06	255.15	59.01	262.80	60.78	267.90	61.96	278.11	65.50		
	10.00	164.24	44.26	189.50	48.98	214.77	56.06	252.67	59.01	260.25	60.78	265.30	61.96	275.41	65.50		
	15.00	164.24	44.75	189.50	49.52	214.77	56.68	252.67	59.67	260.25	61.46	265.30	62.65	275.41	66.23		
	20.00	169.07	44.26	195.08	48.98	221.09	56.06	260.10	59.01	267.90	60.78	273.11	61.96	283.51	65.50		
	25.00	164.24	45.24	189.50	50.07	214.77	57.31	252.67	60.32	260.25	62.13	265.30	63.34	275.41	66.96		
	30.00	165.85	46.72	191.36	51.70	216.87	59.18	255.15	62.29	262.80	64.16	267.90	65.41	278.11	69.14		
	35.00	161.01	49.18	185.79	54.42	210.56	62.29	247.72	65.57	255.15	67.54	260.10	68.85	270.01	72.78		
	39.00	154.57	50.65	178.35	58.23	202.14	66.65	237.81	68.85	244.94	70.91	249.70	72.29	259.21	76.42		
	41.00	151.35	51.14	174.64	59.86	197.92	68.52	232.85	70.16	239.84	72.26	244.49	73.67	253.81	77.88		
	43.00	148.13	51.64	170.92	62.59	193.71	71.63	227.90	71.47	234.73	73.61	239.29	75.04	248.41	79.33		
	46.00	128.81	56.55	148.63	67.48	168.45	77.24	198.17	81.31	204.12	83.74	208.08	85.37	216.01	90.25		
50.00	104.66	59.01	120.76	68.03	136.86	77.86	161.01	84.58	165.85	87.12	169.07	88.81	175.51	93.89			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT086S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	161.01	43.61	185.79	48.26	210.56	55.23	247.72	58.14	255.15	59.88	260.10	61.05	270.01	64.54
	0.00	161.01	43.61	185.79	48.26	210.56	55.23	247.72	58.14	255.15	59.88	260.10	61.05	270.01	64.54
	5.00	161.01	43.61	185.79	48.26	210.56	55.23	247.72	58.14	255.15	59.88	260.10	61.05	270.01	64.54
	10.00	159.45	43.61	183.98	48.26	208.51	55.23	245.31	58.14	252.67	59.88	257.58	61.05	267.39	64.54
	15.00	159.45	44.09	183.98	48.79	208.51	55.85	245.31	58.79	252.67	60.55	257.58	61.73	267.39	65.25
	20.00	164.14	43.61	189.39	48.26	214.65	55.23	252.53	58.14	260.10	59.88	265.15	61.05	275.25	64.54
	25.00	159.45	44.57	183.98	49.33	208.51	56.46	245.31	59.43	252.67	61.21	257.58	62.40	267.39	65.97
	30.00	161.01	46.03	185.79	50.94	210.56	58.30	247.72	61.37	255.15	63.21	260.10	64.44	270.01	68.12
	35.00	156.33	48.45	180.38	53.62	204.43	61.37	240.50	64.60	247.72	66.54	252.53	67.83	262.15	71.71
	39.00	150.07	49.90	173.16	57.37	196.25	65.67	230.88	67.83	237.81	69.86	242.42	71.22	251.66	75.29
	41.00	146.95	50.39	169.55	58.98	192.16	67.51	226.07	69.12	232.85	71.20	237.37	72.58	246.42	76.73
	43.00	143.82	50.87	165.95	61.66	188.07	70.58	221.26	70.41	227.90	72.53	232.32	73.93	241.17	78.16
46.00	125.06	55.72	144.30	66.49	163.54	76.10	192.40	80.10	198.17	82.51	202.02	84.11	209.72	88.92	
50.00	101.61	58.14	117.24	67.02	132.88	76.71	156.33	83.33	161.01	85.83	164.14	87.50	170.39	92.50	
90%	-5.00	144.91	36.19	167.21	40.05	189.50	45.84	222.94	48.26	229.63	49.70	234.09	50.67	243.01	53.56
	0.00	144.91	36.19	167.21	40.05	189.50	45.84	222.94	48.26	229.63	49.70	234.09	50.67	243.01	53.56
	5.00	144.91	36.19	167.21	40.05	189.50	45.84	222.94	48.26	229.63	49.70	234.09	50.67	243.01	53.56
	10.00	143.51	36.19	165.58	40.05	187.66	45.84	220.78	48.26	227.40	49.70	231.82	50.67	240.65	53.56
	15.00	143.51	36.59	165.58	40.50	187.66	46.35	220.78	48.79	227.40	50.26	231.82	51.23	240.65	54.16
	20.00	147.73	36.19	170.45	40.05	193.18	45.84	227.27	48.26	234.09	49.70	238.64	50.67	247.73	53.56
	25.00	143.51	37.00	165.58	40.94	187.66	46.86	220.78	49.33	227.40	50.81	231.82	51.79	240.65	54.75
	30.00	144.91	38.20	167.21	42.28	189.50	48.39	222.94	50.94	229.63	52.47	234.09	53.48	243.01	56.54
	35.00	140.69	40.21	162.34	44.50	183.98	50.94	216.45	53.62	222.94	55.23	227.27	56.30	235.93	59.52
	39.00	135.06	41.42	155.84	47.62	176.62	54.50	207.79	56.30	214.03	57.99	218.18	59.11	226.49	62.49
	41.00	132.25	41.82	152.60	48.95	172.94	56.03	203.46	57.37	209.57	59.09	213.64	60.24	221.77	63.68
	43.00	129.44	42.22	149.35	51.18	169.26	58.58	199.13	58.44	205.11	60.20	209.09	61.37	217.06	64.87
46.00	120.38	44.57	138.90	53.19	157.42	60.88	185.19	64.08	190.75	66.01	194.45	67.29	201.86	71.13	
50.00	113.90	48.26	131.43	55.63	148.95	63.67	175.24	69.17	180.50	71.24	184.00	72.63	191.01	76.78	
80%	-5.00	128.81	30.96	148.63	34.26	168.45	39.22	198.17	41.28	204.12	42.52	208.08	43.34	216.01	45.82
	0.00	128.81	30.96	148.63	34.26	168.45	39.22	198.17	41.28	204.12	42.52	208.08	43.34	216.01	45.82
	5.00	128.81	30.96	148.63	34.26	168.45	39.22	198.17	41.28	204.12	42.52	208.08	43.34	216.01	45.82
	10.00	127.56	30.96	147.19	34.26	166.81	39.22	196.25	41.28	202.14	42.52	206.06	43.34	213.91	45.82
	15.00	127.56	31.30	147.19	34.64	166.81	39.65	196.25	41.74	202.14	42.99	206.06	43.82	213.91	46.33
	20.00	131.31	30.96	151.52	34.26	171.72	39.22	202.02	41.28	208.08	42.52	212.12	43.34	220.20	45.82
	25.00	127.56	31.65	147.19	35.02	166.81	40.09	196.25	42.20	202.14	43.46	206.06	44.31	213.91	46.84
	30.00	132.03	32.68	152.34	36.17	172.66	41.39	203.13	43.57	209.22	44.88	213.28	45.75	221.41	48.37
	35.00	128.19	34.40	147.91	38.07	167.63	43.57	197.21	45.87	203.13	47.24	207.07	48.16	214.96	50.91
	39.00	123.06	35.43	141.99	40.73	160.92	46.62	189.32	48.16	195.00	49.60	198.79	50.57	206.36	53.46
	41.00	120.50	35.78	139.03	41.88	157.57	47.93	185.38	49.08	190.94	50.55	194.65	51.53	202.06	54.48
	43.00	117.93	36.12	136.07	43.78	154.22	50.11	181.43	49.99	186.88	51.49	190.50	52.49	197.76	55.49
46.00	111.30	39.56	128.43	47.21	145.55	54.03	171.24	56.87	176.37	58.58	179.80	59.72	186.65	63.13	
50.00	94.50	41.28	109.04	47.59	123.57	54.47	145.38	59.17	149.74	60.94	152.65	62.13	158.47	65.68	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT086S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	115.93	26.16	133.77	28.95	151.60	33.14	178.35	34.88	183.71	35.93	187.27	36.63	194.41	38.72		
	0.00	115.93	26.16	133.77	28.95	151.60	33.14	178.35	34.88	183.71	35.93	187.27	36.63	194.41	38.72		
	5.00	115.93	26.16	133.77	28.95	151.60	33.14	178.35	34.88	183.71	35.93	187.27	36.63	194.41	38.72		
	10.00	114.81	26.16	132.47	28.95	150.13	33.14	176.62	34.88	181.92	35.93	185.45	36.63	192.52	38.72		
	15.00	114.81	26.45	132.47	29.28	150.13	33.51	176.62	35.27	181.92	36.33	185.45	37.04	192.52	39.15		
	20.00	118.18	26.16	136.36	28.95	154.55	33.14	181.82	34.88	187.27	35.93	190.91	36.63	198.18	38.72		
	25.00	114.81	26.74	132.47	29.60	150.13	33.88	176.62	35.66	181.92	36.73	185.45	37.44	192.52	39.58		
	30.00	115.93	27.62	133.77	30.56	151.60	34.98	178.35	36.82	183.71	37.93	187.27	38.66	194.41	40.87		
	35.00	112.55	29.07	129.87	32.17	147.19	36.82	173.16	38.76	178.35	39.92	181.82	40.70	188.74	43.02		
	39.00	108.05	29.94	124.68	34.42	141.30	39.40	166.23	40.70	171.22	41.92	174.55	42.73	181.19	45.17		
	41.00	105.80	30.23	122.08	35.39	138.35	40.50	162.77	41.47	167.65	42.72	170.91	43.55	177.42	46.04		
	43.00	103.55	30.52	119.48	37.00	135.41	42.35	159.31	42.25	164.09	43.52	167.27	44.36	173.64	46.90		
46.00	97.55	31.89	112.55	38.05	127.56	43.91	150.07	45.66	154.57	47.03	157.58	47.94	163.58	50.68			
50.00	79.26	33.14	91.45	38.20	103.64	44.26	121.93	47.50	125.59	48.93	128.03	49.88	132.91	52.73			
60%	-5.00	99.83	21.47	115.19	23.76	130.55	27.19	153.58	28.49	158.19	29.34	161.26	29.91	167.41	31.62		
	0.00	99.83	21.47	115.19	23.76	130.55	27.19	153.58	28.49	158.19	29.34	161.26	29.91	167.41	31.62		
	5.00	99.83	21.47	115.19	23.76	130.55	27.19	153.58	28.49	158.19	29.34	161.26	29.91	167.41	31.62		
	10.00	98.86	21.47	114.07	23.76	129.28	27.19	152.09	28.49	156.65	29.34	159.70	29.91	165.78	31.62		
	15.00	98.86	21.71	114.07	24.02	129.28	27.50	152.09	28.81	156.65	29.67	159.70	30.25	165.78	31.97		
	20.00	101.77	21.47	117.42	23.76	133.08	27.19	156.57	28.49	161.26	29.34	164.39	29.91	170.66	31.62		
	25.00	98.86	21.95	114.07	24.29	129.28	27.80	152.09	29.12	156.65	30.00	159.70	30.58	165.78	32.33		
	30.00	99.83	22.45	115.19	24.84	130.55	28.43	153.58	30.07	158.19	30.97	161.26	31.57	167.41	33.38		
	35.00	96.92	23.63	111.83	26.15	126.74	29.93	149.11	31.65	153.58	32.60	156.57	33.24	162.53	35.14		
	39.00	93.04	24.34	107.36	27.98	121.67	32.02	143.15	33.24	147.44	34.23	150.30	34.90	156.03	36.89		
	41.00	91.11	24.57	105.12	28.76	119.14	32.92	140.16	33.87	144.37	34.89	147.17	35.56	152.78	37.60		
	43.00	89.17	24.81	102.89	30.07	116.60	34.42	137.18	34.50	141.30	35.54	144.04	36.23	149.53	38.30		
46.00	86.29	27.17	99.57	32.42	112.84	37.11	132.76	39.25	136.74	40.43	139.39	41.21	144.70	43.57			
50.00	70.11	28.35	80.90	32.68	91.68	37.41	107.86	40.83	111.10	42.06	113.26	42.88	117.57	45.33			
50%	-5.00	80.51	17.44	92.89	19.30	105.28	22.09	123.86	23.26	127.57	23.95	130.05	24.42	135.00	25.81		
	0.00	80.51	17.44	92.89	19.30	105.28	22.09	123.86	23.26	127.57	23.95	130.05	24.42	135.00	25.81		
	5.00	80.51	17.44	92.89	19.30	105.28	22.09	123.86	23.26	127.57	23.95	130.05	24.42	135.00	25.81		
	10.00	79.73	17.44	91.99	19.30	104.26	22.09	122.66	23.26	126.33	23.95	128.79	24.42	133.69	25.81		
	15.00	79.73	17.64	91.99	19.52	104.26	22.34	122.66	23.51	126.33	24.22	128.79	24.69	133.69	26.10		
	20.00	82.07	17.44	94.70	19.30	107.32	22.09	126.26	23.26	130.05	23.95	132.58	24.42	137.63	25.81		
	25.00	79.73	17.83	91.99	19.73	104.26	22.58	122.66	23.77	126.33	24.49	128.79	24.96	133.69	26.39		
	30.00	80.51	18.41	92.89	20.37	105.28	23.32	123.86	24.55	127.57	25.28	130.05	25.78	135.00	27.25		
	35.00	78.16	19.38	90.19	21.45	102.21	24.55	120.25	25.84	123.86	26.62	126.26	27.13	131.07	28.68		
	39.00	75.04	19.96	86.58	22.95	98.12	26.27	115.44	27.13	118.90	27.95	121.21	28.49	125.83	30.12		
	41.00	73.47	20.16	84.78	23.59	96.08	27.00	113.04	27.65	116.43	28.48	118.69	29.03	123.21	30.69		
	43.00	71.91	20.35	82.97	24.66	94.04	28.23	110.63	28.17	113.95	29.01	116.16	29.57	120.59	31.26		
46.00	68.31	21.17	78.82	25.26	89.33	28.92	105.10	30.44	108.25	31.35	110.35	31.96	114.56	33.79			
50.00	66.16	22.09	76.33	25.47	86.51	29.15	101.78	31.67	104.83	32.62	106.87	33.25	110.94	35.15			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT088S73HQSS										Cooling Capacity			
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	176.23	45.44	203.34	50.29	230.45	57.56	271.12	60.59	279.25	62.41	284.67	63.62	295.52	67.25
	0.00	176.23	45.44	203.34	50.29	230.45	57.56	271.12	60.59	279.25	62.41	284.67	63.62	295.52	67.25
	5.00	176.23	45.44	203.34	50.29	230.45	57.56	271.12	60.59	279.25	62.41	284.67	63.62	295.52	67.25
	10.00	174.51	45.44	201.36	50.29	228.21	57.56	268.48	60.59	276.54	62.41	281.91	63.62	292.65	67.25
	15.00	174.51	45.95	201.36	50.85	228.21	58.20	268.48	61.26	276.54	63.10	281.91	64.32	292.65	68.00
	20.00	179.65	45.44	207.29	50.29	234.92	17.72	276.38	17.72	284.67	17.72	290.20	17.72	301.26	67.25
	25.00	174.51	46.45	201.36	51.41	228.21	58.84	268.48	61.93	276.54	63.79	281.91	65.03	292.65	68.75
	30.00	176.23	47.97	203.34	53.08	230.45	60.76	271.12	63.95	279.25	65.87	284.67	67.15	295.52	70.99
	35.00	171.09	50.49	197.42	55.88	223.74	63.95	263.22	67.32	271.12	69.34	276.38	70.69	286.91	74.73
	39.00	164.25	52.00	189.52	59.79	214.79	68.43	252.69	70.69	260.27	72.81	265.33	74.22	275.43	78.46
	41.00	160.83	53.02	185.57	62.07	210.31	71.04	247.43	72.74	254.85	74.92	259.80	76.38	269.70	80.74
	43.00	157.41	53.53	181.62	64.89	205.84	74.27	242.16	74.10	249.43	76.32	254.27	77.80	263.96	82.25
46.00	136.87	58.63	157.93	69.97	178.99	80.08	210.58	84.30	216.89	86.82	221.10	88.51	229.53	93.57	
50.00	111.21	61.18	128.32	70.53	145.43	80.73	171.09	87.69	176.23	90.33	179.65	92.08	186.49	97.34	
120%	-5.00	172.93	45.44	199.54	50.29	226.14	57.56	266.05	60.59	274.03	62.41	279.35	63.62	289.99	67.25
	0.00	172.93	45.44	199.54	50.29	226.14	57.56	266.05	60.59	274.03	62.41	279.35	63.62	289.99	67.25
	5.00	172.93	45.44	199.54	50.29	226.14	57.56	266.05	60.59	274.03	62.41	279.35	63.62	289.99	67.25
	10.00	171.25	45.44	197.60	50.29	223.95	57.56	263.47	60.59	271.37	62.41	276.64	63.62	287.18	67.25
	15.00	171.25	45.95	197.60	50.85	223.95	58.20	263.47	61.26	271.37	63.10	276.64	64.32	287.18	68.00
	20.00	176.29	45.44	203.41	50.29	230.53	57.56	271.22	60.59	279.35	62.41	284.78	63.62	295.62	67.25
	25.00	171.25	46.45	197.60	51.41	223.95	58.84	263.47	61.93	271.37	63.79	276.64	65.03	287.18	68.75
	30.00	172.93	47.97	199.54	53.08	226.14	60.76	266.05	63.95	274.03	65.87	279.35	67.15	289.99	70.99
	35.00	167.90	50.49	193.73	55.88	219.56	63.95	258.30	67.32	266.05	69.34	271.22	70.69	281.55	74.73
	39.00	161.18	51.75	185.98	59.50	210.77	68.10	247.97	70.35	255.41	72.81	260.37	74.22	275.43	78.46
	41.00	157.82	52.26	182.10	61.17	206.38	70.01	242.80	71.69	250.09	73.84	254.94	75.27	264.65	79.57
	43.00	154.46	52.76	178.23	63.95	201.99	73.19	237.64	73.03	244.77	75.22	249.52	76.68	259.02	81.06
46.00	134.32	57.78	154.98	68.95	175.64	78.92	206.64	83.08	212.84	85.57	216.97	87.23	225.24	92.21	
50.00	109.13	60.30	125.92	69.51	142.71	79.56	167.90	86.43	172.93	89.02	176.29	90.75	183.01	95.93	
110%	-5.00	169.64	45.22	195.74	50.04	221.83	57.28	260.98	60.29	268.81	62.10	274.03	63.31	284.47	66.92
	0.00	169.64	45.22	195.74	50.04	221.83	57.28	260.98	60.29	268.81	62.10	274.03	63.31	284.47	66.92
	5.00	169.64	45.22	195.74	50.04	221.83	57.28	260.98	60.29	268.81	62.10	274.03	63.31	284.47	66.92
	10.00	167.99	45.22	193.84	50.04	219.68	57.28	258.45	60.29	266.20	62.10	271.37	63.31	281.71	66.92
	15.00	167.99	45.72	193.84	50.60	219.68	57.91	258.45	60.96	266.20	62.79	271.37	64.01	281.71	67.67
	20.00	172.93	45.22	199.54	50.04	226.14	57.28	266.05	60.29	274.03	62.10	279.35	63.31	289.99	66.92
	25.00	167.99	46.22	193.84	51.15	219.68	58.55	258.45	61.63	266.20	63.48	271.37	64.71	281.71	68.41
	30.00	169.64	47.73	195.74	52.82	221.83	60.46	260.98	63.64	268.81	65.55	274.03	66.82	284.47	70.64
	35.00	164.70	50.24	190.04	55.60	215.37	63.64	253.38	66.99	260.98	69.00	266.05	70.34	276.18	74.36
	39.00	158.11	51.75	182.43	59.49	206.76	68.10	243.24	70.34	250.54	72.45	255.41	73.86	265.14	78.08
	41.00	154.82	52.25	178.63	61.16	202.45	70.00	238.18	71.68	245.32	73.83	250.09	75.26	259.61	79.56
	43.00	151.52	52.75	174.83	63.94	198.14	73.19	233.11	73.02	240.10	75.21	244.77	76.67	254.09	81.05
46.00	131.76	57.78	152.03	68.95	172.30	78.91	202.70	83.07	208.79	85.56	212.84	87.22	220.95	92.21	
50.00	107.05	60.29	123.52	69.50	139.99	79.55	164.70	86.42	169.64	89.01	172.93	90.74	179.52	95.92	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT088S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	164.70	44.55	190.04	49.30	215.37	56.43	253.38	59.40	260.98	61.18	266.05	62.37	276.18	65.93
	0.00	164.70	44.55	190.04	49.30	215.37	56.43	253.38	59.40	260.98	61.18	266.05	62.37	276.18	65.93
	5.00	164.70	44.55	190.04	49.30	215.37	56.43	253.38	59.40	260.98	61.18	266.05	62.37	276.18	65.93
	10.00	163.10	44.55	188.19	49.30	213.28	56.43	250.92	59.40	258.45	61.18	263.47	62.37	273.50	65.93
	15.00	163.10	45.05	188.19	49.85	213.28	57.06	250.92	60.06	258.45	61.86	263.47	63.06	273.50	66.67
	20.00	167.90	44.55	193.73	49.30	219.56	56.43	258.30	59.40	266.05	61.18	271.22	62.37	281.55	65.93
	25.00	163.10	45.54	188.19	50.40	213.28	57.68	250.92	60.72	258.45	62.54	263.47	63.76	273.50	67.40
	30.00	164.70	47.03	190.04	52.04	215.37	59.57	253.38	62.70	260.98	64.58	266.05	65.84	276.18	69.60
	35.00	159.90	49.50	184.50	54.78	209.10	62.70	246.00	66.00	253.38	67.98	258.30	69.30	268.14	73.26
	39.00	153.50	50.99	177.12	58.61	200.74	67.09	236.16	69.30	243.24	71.38	247.97	72.77	257.41	76.92
	41.00	150.31	51.48	173.43	60.26	196.55	68.97	231.24	70.62	238.18	72.74	242.80	74.15	252.05	78.39
	43.00	147.11	51.98	169.74	63.00	192.37	72.11	226.32	71.94	233.11	74.10	237.64	75.54	246.69	79.85
46.00	127.92	56.93	147.60	67.93	167.28	77.75	196.80	81.84	202.70	84.30	206.64	85.93	214.51	90.84	
50.00	103.94	59.40	119.93	68.48	135.92	78.38	159.90	85.14	164.70	87.69	167.90	89.40	174.29	94.51	
90%	-5.00	148.23	36.98	171.03	40.92	193.84	46.84	228.04	49.30	234.88	50.78	239.44	51.77	248.57	54.73
	0.00	148.23	36.98	171.03	40.92	193.84	46.84	228.04	49.30	234.88	50.78	239.44	51.77	248.57	54.73
	5.00	148.23	36.98	171.03	40.92	193.84	46.84	228.04	49.30	234.88	50.78	239.44	51.77	248.57	54.73
	10.00	146.79	36.98	169.37	40.92	191.95	46.84	225.83	49.30	232.60	50.78	237.12	51.77	246.15	54.73
	15.00	146.79	37.39	169.37	41.38	191.95	47.36	225.83	49.85	232.60	51.35	237.12	52.34	246.15	55.33
	20.00	151.11	36.98	174.35	40.92	197.60	46.84	232.47	49.30	239.44	50.78	244.09	51.77	253.39	54.73
	25.00	146.79	37.80	169.37	41.83	191.95	47.88	225.83	50.40	232.60	51.91	237.12	52.92	246.15	55.94
	30.00	148.23	39.03	171.03	43.19	193.84	49.44	228.04	52.04	234.88	53.60	239.44	54.64	248.57	57.77
	35.00	143.91	41.09	166.05	45.47	188.19	52.04	221.40	54.78	228.04	56.42	232.47	57.52	241.33	60.81
	39.00	138.15	42.32	159.41	48.65	180.66	55.68	212.54	57.52	218.92	59.24	223.17	60.39	231.67	63.85
	41.00	135.28	42.73	156.09	50.01	176.90	57.25	208.12	58.61	214.36	60.37	218.52	61.55	226.85	65.06
	43.00	132.40	43.14	152.77	52.29	173.13	59.85	203.69	59.71	209.80	61.50	213.87	62.70	222.02	66.28
46.00	123.13	45.54	142.07	54.34	161.02	62.20	189.43	65.47	195.11	67.44	198.90	68.75	206.48	72.67	
50.00	116.51	49.30	134.43	56.83	152.36	65.05	179.25	70.67	184.62	72.79	188.21	74.20	195.38	78.44	
80%	-5.00	131.76	31.63	152.03	35.00	172.30	40.07	202.70	42.17	208.79	43.44	212.84	44.28	220.95	46.81
	0.00	131.76	31.63	152.03	35.00	172.30	40.07	202.70	42.17	208.79	43.44	212.84	44.28	220.95	46.81
	5.00	131.76	31.63	152.03	35.00	172.30	40.07	202.70	42.17	208.79	43.44	212.84	44.28	220.95	46.81
	10.00	130.48	31.63	150.55	35.00	170.63	40.07	200.74	42.17	206.76	43.44	210.77	44.28	218.80	46.81
	15.00	130.48	31.98	150.55	35.39	170.63	40.51	200.74	42.64	206.76	43.92	210.77	44.77	218.80	47.33
	20.00	134.32	31.63	154.98	35.00	175.64	40.07	206.64	42.17	212.84	43.44	216.97	44.28	225.24	46.81
	25.00	130.48	32.33	150.55	35.78	170.63	40.96	200.74	43.11	206.76	44.40	210.77	45.27	218.80	47.85
	30.00	135.05	33.39	155.83	36.95	176.61	42.29	207.77	44.52	214.00	45.85	218.16	46.74	226.47	49.41
	35.00	131.12	35.15	151.29	38.89	171.46	44.52	201.72	46.86	207.77	48.27	211.81	49.20	219.87	52.01
	39.00	125.87	36.20	145.24	41.62	164.60	47.63	193.65	49.20	199.46	50.68	203.33	51.66	211.08	54.62
	41.00	123.25	36.55	142.21	42.78	161.17	48.97	189.62	50.14	195.31	51.64	199.10	52.65	206.68	55.66
	43.00	120.63	36.90	139.19	44.73	157.75	51.19	185.58	51.08	191.15	52.61	194.86	53.63	202.28	56.70
46.00	113.85	40.42	131.36	48.23	148.88	55.20	175.15	58.11	180.41	59.85	183.91	61.01	190.92	64.50	
50.00	96.66	42.17	111.53	48.62	126.40	55.65	148.71	60.45	153.17	62.26	156.14	63.47	162.09	67.10	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT088S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	118.58	26.73	136.83	29.58	155.07	33.86	182.43	35.64	187.91	36.71	191.56	37.42	198.85	39.56		
	0.00	118.58	26.73	136.83	29.58	155.07	33.86	182.43	35.64	187.91	36.71	191.56	37.42	198.85	39.56		
	5.00	118.58	26.73	136.83	29.58	155.07	33.86	182.43	35.64	187.91	36.71	191.56	37.42	198.85	39.56		
	10.00	117.43	26.73	135.50	29.58	153.56	33.86	180.66	35.64	186.08	36.71	189.70	37.42	196.92	39.56		
	15.00	117.43	27.03	135.50	29.91	153.56	34.23	180.66	36.04	186.08	37.12	189.70	37.84	196.92	40.00		
	20.00	120.88	26.73	139.48	29.58	158.08	33.86	185.98	35.64	191.56	36.71	195.27	37.42	202.71	39.56		
	25.00	117.43	27.32	135.50	30.24	153.56	34.61	180.66	36.43	186.08	37.52	189.70	38.25	196.92	40.44		
	30.00	118.58	28.22	136.83	31.22	155.07	35.74	182.43	37.62	187.91	38.75	191.56	39.50	198.85	41.76		
	35.00	115.13	29.70	132.84	32.87	150.55	37.62	177.12	39.60	182.43	40.79	185.98	41.58	193.06	43.96		
	39.00	110.52	30.59	127.53	35.17	144.53	40.25	170.04	41.58	175.14	42.83	178.54	43.66	185.34	46.15		
	41.00	108.22	30.89	124.87	36.15	141.52	41.38	166.49	42.37	171.49	43.64	174.82	44.49	181.48	47.03		
	43.00	105.92	31.19	122.21	37.80	138.51	43.26	162.95	43.16	167.84	44.46	171.10	45.32	177.62	47.91		
	46.00	99.78	32.45	115.13	38.72	130.48	44.32	153.50	46.65	158.11	48.05	161.18	48.98	167.32	51.78		
50.00	81.07	33.86	93.54	39.03	106.01	44.67	124.72	48.53	128.46	49.99	130.96	50.96	135.95	53.87			
60%	-5.00	102.11	21.83	117.82	24.16	133.53	27.65	157.10	29.11	161.81	29.98	164.95	30.56	171.23	32.31		
	0.00	102.11	21.83	117.82	24.16	133.53	27.65	157.10	29.11	161.81	29.98	164.95	30.56	171.23	32.31		
	5.00	102.11	21.83	117.82	24.16	133.53	27.65	157.10	29.11	161.81	29.98	164.95	30.56	171.23	32.31		
	10.00	101.12	21.83	116.68	24.16	132.23	27.65	155.57	29.11	160.24	29.98	163.35	30.56	169.57	32.31		
	15.00	101.12	22.07	116.68	24.43	132.23	27.96	155.57	29.43	160.24	30.31	163.35	30.90	169.57	32.67		
	20.00	104.09	21.83	120.11	24.16	136.12	27.65	160.15	29.11	164.95	29.98	168.15	30.56	174.56	32.31		
	25.00	101.12	22.31	116.68	24.69	132.23	28.27	155.57	29.75	160.24	30.65	163.35	31.24	169.57	33.03		
	30.00	102.11	23.04	117.82	25.50	133.53	29.19	157.10	30.72	161.81	31.64	164.95	32.26	171.23	34.10		
	35.00	99.14	24.26	114.39	26.84	129.64	30.72	152.52	32.34	157.10	33.31	160.15	33.96	166.25	35.90		
	39.00	95.17	24.98	109.81	28.72	124.46	32.87	146.42	33.96	150.81	34.98	153.74	35.65	159.60	37.69		
	41.00	93.19	25.23	107.53	29.53	121.86	33.80	143.37	34.60	147.67	35.64	150.54	36.33	156.27	38.41		
	43.00	91.21	25.47	105.24	30.87	119.27	35.33	140.32	35.25	144.53	36.31	147.33	37.01	152.95	39.13		
	46.00	88.26	27.89	101.84	33.28	115.42	38.10	135.79	40.10	139.87	41.30	142.58	42.11	148.01	44.51		
50.00	71.72	29.11	82.75	33.55	93.78	38.40	110.33	41.72	113.64	42.97	115.85	43.80	120.26	46.31			
50%	-5.00	82.35	17.82	95.02	19.72	107.69	22.57	126.69	23.76	130.49	24.47	133.02	24.95	138.09	26.37		
	0.00	82.35	17.82	95.02	19.72	107.69	22.57	126.69	23.76	130.49	24.47	133.02	24.95	138.09	26.37		
	5.00	82.35	17.82	95.02	19.72	107.69	22.57	126.69	23.76	130.49	24.47	133.02	24.95	138.09	26.37		
	10.00	81.55	17.82	94.10	19.72	106.64	22.57	125.46	23.76	129.22	24.47	131.73	24.95	136.75	26.37		
	15.00	81.55	18.02	94.10	19.94	106.64	22.82	125.46	24.02	129.22	24.74	131.73	25.23	136.75	26.67		
	20.00	83.95	17.82	96.86	19.72	109.78	22.57	129.15	23.76	133.02	24.47	135.61	24.95	140.77	26.37		
	25.00	81.55	18.22	94.10	20.16	106.64	23.07	125.46	24.29	129.22	25.02	131.73	25.50	136.75	26.96		
	30.00	82.35	18.81	95.02	20.82	107.69	23.83	126.69	25.08	130.49	25.83	133.02	26.33	138.09	27.84		
	35.00	79.95	19.80	92.25	21.91	104.55	25.08	123.00	26.40	126.69	27.19	129.15	27.72	134.07	29.30		
	39.00	76.75	20.39	88.56	23.45	100.37	26.84	118.08	27.72	121.62	28.55	123.98	29.11	128.71	30.77		
	41.00	75.15	20.59	86.72	24.10	98.28	27.59	115.62	28.25	119.09	29.10	121.40	29.66	126.03	31.36		
	43.00	73.55	20.79	84.87	25.20	96.19	28.84	113.16	28.78	116.55	29.64	118.82	30.21	123.34	31.94		
	46.00	69.88	21.63	80.63	25.81	91.38	29.54	107.50	31.10	110.73	32.03	112.88	32.65	117.18	34.52		
50.00	67.67	22.57	78.08	26.02	88.49	29.78	104.11	32.35	107.23	33.32	109.31	33.97	113.48	35.91			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT090S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	180.88	46.20	208.71	51.13	236.54	58.52	278.28	61.60	286.63	63.45	292.19	64.68	303.33	68.37		
	0.00	180.88	46.20	208.71	51.13	236.54	58.52	278.28	61.60	286.63	63.45	292.19	64.68	303.33	68.37		
	5.00	180.88	46.20	208.71	51.13	236.54	58.52	278.28	61.60	286.63	63.45	292.19	64.68	303.33	68.37		
	10.00	179.13	46.20	206.68	51.13	234.24	58.52	275.58	61.60	283.85	63.45	289.36	64.68	300.38	68.37		
	15.00	179.13	46.71	206.68	51.69	234.24	59.17	275.58	62.28	283.85	64.15	289.36	65.40	300.38	69.13		
	20.00	184.39	46.20	212.76	51.13	241.13	17.72	283.68	17.72	292.19	17.72	297.87	17.72	309.22	68.37		
	25.00	179.13	47.22	206.68	52.26	234.24	59.82	275.58	62.97	283.85	64.86	289.36	66.11	300.38	69.89		
	30.00	180.88	48.76	208.71	53.97	236.54	61.77	278.28	65.02	286.63	66.97	292.19	68.27	303.33	72.17		
	35.00	175.61	51.33	202.63	56.81	229.65	65.02	270.18	68.44	278.28	70.50	283.68	71.86	294.49	75.97		
	39.00	168.59	52.87	194.53	60.78	220.46	69.57	259.37	71.86	267.15	74.02	272.34	75.46	282.71	79.77		
	41.00	165.08	53.91	190.47	63.10	215.87	72.22	253.96	73.95	261.58	76.17	266.66	77.65	276.82	82.09		
	43.00	161.56	54.43	186.42	65.97	211.28	75.51	248.56	75.33	256.02	77.59	260.99	79.10	270.93	83.62		
	46.00	140.49	59.61	162.11	71.13	183.72	81.42	216.14	85.70	222.62	88.27	226.95	89.99	235.59	95.13		
50.00	114.15	62.20	131.71	71.70	149.27	82.07	175.61	89.16	180.88	91.83	184.39	93.61	191.42	98.96			
120%	-5.00	177.50	46.20	204.81	51.13	232.12	58.52	273.08	61.60	281.27	63.45	286.73	64.68	297.66	68.37		
	0.00	177.50	46.20	204.81	51.13	232.12	58.52	273.08	61.60	281.27	63.45	286.73	64.68	297.66	68.37		
	5.00	177.50	46.20	204.81	51.13	232.12	58.52	273.08	61.60	281.27	63.45	286.73	64.68	297.66	68.37		
	10.00	175.78	46.20	202.82	51.13	229.86	58.52	270.43	61.60	278.54	63.45	283.95	64.68	294.77	68.37		
	15.00	175.78	46.71	202.82	51.69	229.86	59.17	270.43	62.28	278.54	64.15	283.95	65.40	294.77	69.13		
	20.00	180.95	46.20	208.79	51.13	236.62	58.52	278.38	61.60	286.73	63.45	292.30	64.68	303.44	68.37		
	25.00	175.78	47.22	202.82	52.26	229.86	59.82	270.43	62.97	278.54	64.86	283.95	66.11	294.77	69.89		
	30.00	177.50	48.76	204.81	53.97	232.12	61.77	273.08	65.02	281.27	66.97	286.73	68.27	297.66	72.17		
	35.00	172.33	51.33	198.84	56.81	225.36	65.02	265.13	68.44	273.08	70.50	278.38	71.86	288.99	75.97		
	39.00	165.44	52.62	190.89	60.49	216.34	69.24	254.52	71.52	262.16	74.02	267.25	75.46	277.43	79.77		
	41.00	161.99	53.13	186.91	62.19	211.83	71.18	249.22	72.88	256.69	75.07	261.68	76.53	271.65	80.90		
	43.00	158.54	53.64	182.94	65.01	207.33	74.41	243.92	74.24	251.23	76.47	256.11	77.96	265.87	82.41		
	46.00	137.87	58.75	159.08	70.10	180.29	80.24	212.10	84.46	218.46	86.99	222.71	88.68	231.19	93.75		
50.00	112.02	61.30	129.25	70.67	146.48	80.88	172.33	87.87	177.50	90.50	180.95	92.26	187.84	97.53			
110%	-5.00	174.12	45.97	200.91	50.88	227.70	58.23	267.88	61.30	275.91	63.13	281.27	64.36	291.99	68.04		
	0.00	174.12	45.97	200.91	50.88	227.70	58.23	267.88	61.30	275.91	63.13	281.27	64.36	291.99	68.04		
	5.00	174.12	45.97	200.91	50.88	227.70	58.23	267.88	61.30	275.91	63.13	281.27	64.36	291.99	68.04		
	10.00	172.43	45.97	198.96	50.88	225.49	58.23	265.28	61.30	273.23	63.13	278.54	64.36	289.15	68.04		
	15.00	172.43	46.48	198.96	51.44	225.49	58.88	265.28	61.98	273.23	63.84	278.54	65.08	289.15	68.79		
	20.00	177.50	45.97	204.81	50.88	232.12	58.23	273.08	61.30	281.27	63.13	286.73	64.36	297.66	68.04		
	25.00	172.43	46.99	198.96	52.01	225.49	59.53	265.28	62.66	273.23	64.54	278.54	65.79	289.15	69.55		
	30.00	174.12	48.53	200.91	53.70	227.70	61.47	267.88	64.70	275.91	66.64	281.27	67.94	291.99	71.82		
	35.00	169.05	51.08	195.06	56.53	221.06	64.70	260.08	68.11	267.88	70.15	273.08	71.51	283.48	75.60		
	39.00	162.29	52.61	187.25	60.49	212.22	69.23	249.67	71.51	257.16	73.66	262.16	75.09	272.14	79.38		
	41.00	158.91	53.12	183.35	62.18	207.80	71.17	244.47	72.87	251.80	75.06	256.69	76.52	266.47	80.89		
	43.00	155.52	53.63	179.45	65.01	203.38	74.41	239.27	74.24	246.45	76.46	251.23	77.95	260.80	82.40		
	46.00	135.24	58.74	156.05	70.10	176.85	80.23	208.06	84.45	214.30	86.99	218.46	88.67	226.79	93.74		
50.00	109.88	61.30	126.79	70.66	143.69	80.88	169.05	87.86	174.12	90.49	177.50	92.25	184.26	97.52			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT090S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	169.05	45.29	195.06	50.12	221.06	57.37	260.08	60.39	267.88	62.20	273.08	63.41	283.48	67.03
	0.00	169.05	45.29	195.06	50.12	221.06	57.37	260.08	60.39	267.88	62.20	273.08	63.41	283.48	67.03
	5.00	169.05	45.29	195.06	50.12	221.06	57.37	260.08	60.39	267.88	62.20	273.08	63.41	283.48	67.03
	10.00	167.41	45.29	193.16	50.12	218.92	57.37	257.55	60.39	265.28	62.20	270.43	63.41	280.73	67.03
	15.00	167.41	45.80	193.16	50.68	218.92	58.01	257.55	61.06	265.28	62.89	270.43	64.11	280.73	67.78
	20.00	172.33	45.29	198.84	50.12	225.36	57.37	265.13	60.39	273.08	62.20	278.38	63.41	288.99	67.03
	25.00	167.41	46.30	193.16	51.24	218.92	58.65	257.55	61.73	265.28	63.58	270.43	64.82	280.73	68.52
	30.00	169.05	47.81	195.06	52.91	221.06	60.56	260.08	63.75	267.88	65.66	273.08	66.93	283.48	70.76
	35.00	164.13	50.33	189.38	55.69	214.63	63.75	252.50	67.10	260.08	69.11	265.13	70.46	275.23	74.48
	39.00	157.56	51.83	181.80	59.59	206.04	68.21	242.40	70.46	249.67	72.57	254.52	73.98	264.22	78.21
	41.00	154.28	52.34	178.01	61.26	201.75	70.12	237.35	71.80	244.47	73.95	249.22	75.39	258.71	79.69
	43.00	151.00	52.84	174.23	64.05	197.46	73.31	232.30	73.14	239.27	75.33	243.92	76.80	253.21	81.18
	46.00	131.30	57.87	151.50	69.06	171.70	79.04	202.00	83.20	208.06	85.70	212.10	87.36	220.18	92.36
50.00	106.68	60.39	123.09	69.62	139.51	79.68	164.13	86.56	169.05	89.16	172.33	90.89	178.90	96.08	
90%	-5.00	152.14	37.59	175.55	41.60	198.96	47.62	234.07	50.12	241.09	51.63	245.77	52.63	255.13	55.64
	0.00	152.14	37.59	175.55	41.60	198.96	47.62	234.07	50.12	241.09	51.63	245.77	52.63	255.13	55.64
	5.00	152.14	37.59	175.55	41.60	198.96	47.62	234.07	50.12	241.09	51.63	245.77	52.63	255.13	55.64
	10.00	150.67	37.59	173.85	41.60	197.03	47.62	231.80	50.12	238.75	51.63	243.38	52.63	252.66	55.64
	15.00	150.67	38.01	173.85	42.06	197.03	48.15	231.80	50.68	238.75	52.20	243.38	53.21	252.66	56.26
	20.00	155.10	37.59	178.96	41.60	202.82	47.62	238.61	50.12	245.77	51.63	250.54	52.63	260.09	55.64
	25.00	150.67	38.43	173.85	42.53	197.03	48.68	231.80	51.24	238.75	52.77	243.38	53.80	252.66	56.87
	30.00	152.14	39.68	175.55	43.91	198.96	50.26	234.07	52.91	241.09	54.50	245.77	55.55	255.13	58.73
	35.00	147.71	41.77	170.44	46.23	193.16	52.91	227.25	55.69	234.07	57.36	238.61	58.48	247.70	61.82
	39.00	141.80	43.02	163.62	49.46	185.44	56.61	218.16	58.48	224.70	60.23	229.07	61.40	237.79	64.91
	41.00	138.85	43.44	160.21	50.85	181.57	58.20	213.62	59.59	220.02	61.38	224.30	62.57	232.84	66.15
	43.00	135.90	43.86	156.80	53.16	177.71	60.84	209.07	60.71	215.34	62.53	219.52	63.74	227.89	67.38
	46.00	126.38	46.30	145.83	55.25	165.27	63.24	194.44	66.56	200.27	68.56	204.16	69.89	211.93	73.89
50.00	119.59	50.12	137.99	57.78	156.38	66.14	183.98	71.84	189.50	74.00	193.18	75.44	200.54	79.75	
80%	-5.00	135.24	32.16	156.05	35.59	176.85	40.73	208.06	42.88	214.30	44.16	218.46	45.02	226.79	47.59
	0.00	135.24	32.16	156.05	35.59	176.85	40.73	208.06	42.88	214.30	44.16	218.46	45.02	226.79	47.59
	5.00	135.24	32.16	156.05	35.59	176.85	40.73	208.06	42.88	214.30	44.16	218.46	45.02	226.79	47.59
	10.00	133.93	32.16	154.53	35.59	175.13	40.73	206.04	42.88	212.22	44.16	216.34	45.02	224.58	47.59
	15.00	133.93	32.51	154.53	35.98	175.13	41.19	206.04	43.35	212.22	44.65	216.34	45.52	224.58	48.12
	20.00	137.87	32.16	159.08	35.59	180.29	40.73	212.10	42.88	218.46	44.16	222.71	45.02	231.19	47.59
	25.00	133.93	32.87	154.53	36.38	175.13	41.64	206.04	43.83	212.22	45.14	216.34	46.02	224.58	48.65
	30.00	138.62	33.94	159.95	37.56	181.27	43.00	213.26	45.26	219.66	46.62	223.92	47.52	232.46	50.24
	35.00	134.58	35.73	155.29	39.54	175.99	45.26	207.05	47.64	213.26	49.07	217.40	50.02	225.68	52.88
	39.00	129.20	36.80	149.08	42.31	168.95	48.43	198.77	50.02	204.73	51.52	208.71	52.52	216.66	55.53
	41.00	126.51	37.16	145.97	43.50	165.43	49.78	194.63	50.98	200.47	52.51	204.36	53.52	212.14	56.58
	43.00	123.82	37.52	142.86	45.47	161.91	52.05	190.49	51.93	196.20	53.49	200.01	54.53	207.63	57.64
	46.00	116.86	41.09	134.84	49.03	152.81	56.12	179.78	59.07	185.17	60.85	188.77	62.03	195.96	65.57
50.00	99.21	42.88	114.48	49.43	129.74	56.57	152.64	61.46	157.22	63.30	160.27	64.53	166.37	68.22	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT090S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5.00	121.72	27.18	140.44	30.07	159.17	34.42	187.25	36.23	192.87	37.32	196.62	38.05	204.11	40.22		
	0.00	121.72	27.18	140.44	30.07	159.17	34.42	187.25	36.23	192.87	37.32	196.62	38.05	204.11	40.22		
	5.00	121.72	27.18	140.44	30.07	159.17	34.42	187.25	36.23	192.87	37.32	196.62	38.05	204.11	40.22		
	10.00	120.53	27.18	139.08	30.07	157.62	34.42	185.44	36.23	191.00	37.32	194.71	38.05	202.13	40.22		
	15.00	120.53	27.48	139.08	30.41	157.62	34.80	185.44	36.64	191.00	37.74	194.71	38.47	202.13	40.67		
	20.00	124.08	27.18	143.17	30.07	162.26	34.42	190.89	36.23	196.62	37.32	200.43	38.05	208.07	40.22		
	25.00	120.53	27.78	139.08	30.74	157.62	35.19	185.44	37.04	191.00	38.15	194.71	38.89	202.13	41.11		
	30.00	121.72	28.69	140.44	31.75	159.17	36.33	187.25	38.25	192.87	39.39	196.62	40.16	204.11	42.45		
	35.00	118.17	30.20	136.35	33.42	154.53	38.25	181.80	40.26	187.25	41.47	190.89	42.27	198.16	44.69		
	39.00	113.44	31.10	130.90	35.75	148.35	40.92	174.53	42.27	179.76	43.54	183.25	44.39	190.24	46.92		
	41.00	111.08	31.40	128.17	36.76	145.26	42.07	170.89	43.08	176.02	44.37	179.44	45.23	186.27	47.82		
	43.00	108.72	31.70	125.44	38.43	142.17	43.98	167.26	43.88	172.27	45.20	175.62	46.08	182.31	48.71		
46.00	102.41	32.99	118.17	39.36	133.93	45.05	157.56	47.43	162.29	48.85	165.44	49.80	171.74	52.64			
50.00	83.21	34.42	96.01	39.68	108.81	45.42	128.02	49.34	131.86	50.82	134.42	51.81	139.54	54.77			
60%	-5.00	104.81	22.19	120.93	24.56	137.06	28.11	161.25	29.59	166.08	30.48	169.31	31.07	175.76	32.85		
	0.00	104.81	22.19	120.93	24.56	137.06	28.11	161.25	29.59	166.08	30.48	169.31	31.07	175.76	32.85		
	5.00	104.81	22.19	120.93	24.56	137.06	28.11	161.25	29.59	166.08	30.48	169.31	31.07	175.76	32.85		
	10.00	103.79	22.19	119.76	24.56	135.73	28.11	159.68	29.59	164.47	30.48	167.67	31.07	174.05	32.85		
	15.00	103.79	22.44	119.76	24.83	135.73	28.42	159.68	29.92	164.47	30.82	167.67	31.42	174.05	33.21		
	20.00	106.85	22.19	123.28	24.56	139.72	28.11	164.38	29.59	169.31	30.48	172.60	31.07	179.17	32.85		
	25.00	103.79	22.69	119.76	25.11	135.73	28.74	159.68	30.25	164.47	31.16	167.67	31.76	174.05	33.58		
	30.00	104.81	23.43	120.93	25.93	137.06	29.67	161.25	31.24	166.08	32.17	169.31	32.80	175.76	34.67		
	35.00	101.76	24.66	117.41	27.29	133.07	31.24	156.55	32.88	161.25	33.87	164.38	34.52	170.64	36.50		
	39.00	97.69	25.40	112.72	29.20	127.74	33.42	150.29	34.52	154.80	35.56	157.80	36.25	163.81	38.32		
	41.00	95.65	25.65	110.37	30.02	125.08	34.36	147.16	35.18	151.57	36.24	154.51	36.94	160.40	39.05		
	43.00	93.62	25.89	108.02	31.38	122.42	35.92	144.03	35.84	148.35	36.91	151.23	37.63	156.99	39.78		
46.00	90.60	28.36	104.54	33.84	118.47	38.73	139.38	40.77	143.56	41.99	146.35	42.81	151.92	45.25			
50.00	73.61	29.59	84.93	34.11	96.26	39.04	113.25	42.41	116.64	43.69	118.91	44.53	123.44	47.08			
50%	-5.00	84.52	18.12	97.53	20.05	110.53	22.95	130.04	24.16	133.94	24.88	136.54	25.36	141.74	26.81		
	0.00	84.52	18.12	97.53	20.05	110.53	22.95	130.04	24.16	133.94	24.88	136.54	25.36	141.74	26.81		
	5.00	84.52	18.12	97.53	20.05	110.53	22.95	130.04	24.16	133.94	24.88	136.54	25.36	141.74	26.81		
	10.00	83.70	18.12	96.58	20.05	109.46	22.95	128.78	24.16	132.64	24.88	135.21	25.36	140.36	26.81		
	15.00	83.70	18.32	96.58	20.27	109.46	23.20	128.78	24.42	132.64	25.16	135.21	25.65	140.36	27.11		
	20.00	86.17	18.12	99.42	20.05	112.68	22.95	132.56	24.16	136.54	24.88	139.19	25.36	144.49	26.81		
	25.00	83.70	18.52	96.58	20.50	109.46	23.46	128.78	24.69	132.64	25.43	135.21	25.93	140.36	27.41		
	30.00	84.52	19.12	97.53	21.16	110.53	24.22	130.04	25.50	133.94	26.26	136.54	26.77	141.74	28.30		
	35.00	82.06	20.13	94.69	22.28	107.31	25.50	126.25	26.84	130.04	27.65	132.56	28.18	137.61	29.79		
	39.00	78.78	20.73	90.90	23.84	103.02	27.28	121.20	28.18	124.84	29.03	127.26	29.59	132.11	31.28		
	41.00	77.14	20.94	89.01	24.50	100.87	28.05	118.68	28.72	122.24	29.58	124.61	30.15	129.36	31.88		
	43.00	75.50	21.14	87.11	25.62	98.73	29.32	116.15	29.26	119.63	30.13	121.96	30.72	126.60	32.47		
46.00	71.72	21.99	82.76	26.24	93.79	30.04	110.34	31.62	113.65	32.57	115.86	33.20	120.27	35.10			
50.00	69.46	22.95	80.14	26.45	90.83	30.28	106.86	32.89	110.06	33.88	112.20	34.54	116.48	36.51			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT092S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
130%	-5.00	185.54	46.96	214.08	51.96	242.63	59.48	285.44	62.61	294.01	64.49	299.72	65.74	311.13	69.49		
	0.00	185.54	46.96	214.08	51.96	242.63	59.48	285.44	62.61	294.01	64.49	299.72	65.74	311.13	69.49		
	5.00	185.54	46.96	214.08	51.96	242.63	59.48	285.44	62.61	294.01	64.49	299.72	65.74	311.13	69.49		
	10.00	183.74	46.96	212.00	51.96	240.27	59.48	282.67	62.61	291.15	64.49	296.81	65.74	308.11	69.49		
	15.00	183.74	47.48	212.00	52.54	240.27	60.14	282.67	63.30	291.15	65.20	296.81	66.47	308.11	70.27		
	20.00	189.14	46.96	218.24	51.96	247.34	17.72	290.99	17.72	299.72	17.72	305.54	17.72	317.18	69.49		
	25.00	183.74	48.00	212.00	53.12	240.27	60.80	282.67	64.00	291.15	65.92	296.81	67.20	308.11	71.04		
	30.00	185.54	49.56	214.08	54.85	242.63	62.78	285.44	66.09	294.01	68.07	299.72	69.39	311.13	73.36		
	35.00	180.13	52.17	207.85	57.74	235.56	66.09	277.13	69.56	285.44	71.65	290.99	73.04	302.07	77.22		
	39.00	172.93	53.74	199.53	61.78	226.14	70.71	266.04	73.04	274.03	75.23	279.35	76.69	289.99	81.08		
	41.00	169.33	54.79	195.38	64.13	221.43	73.41	260.50	75.16	268.32	77.42	273.53	78.92	283.95	83.43		
	43.00	165.72	55.32	191.22	67.05	216.72	76.74	254.96	76.57	262.61	78.87	267.71	80.40	277.91	84.99		
46.00	144.11	60.59	166.28	72.30	188.45	82.75	221.70	87.11	228.36	89.72	232.79	91.46	241.66	96.69			
50.00	117.09	63.22	135.10	72.88	153.11	83.42	180.13	90.62	185.54	93.34	189.14	95.15	196.35	100.59			
120%	-5.00	182.07	46.96	210.08	51.96	238.09	59.48	280.11	62.61	288.51	64.49	294.11	65.74	305.32	69.49		
	0.00	182.07	46.96	210.08	51.96	238.09	59.48	280.11	62.61	288.51	64.49	294.11	65.74	305.32	69.49		
	5.00	182.07	46.96	210.08	51.96	238.09	59.48	280.11	62.61	288.51	64.49	294.11	65.74	305.32	69.49		
	10.00	180.30	46.96	208.04	51.96	235.78	59.48	277.39	62.61	285.71	64.49	291.26	65.74	302.35	69.49		
	15.00	180.30	47.48	208.04	52.54	235.78	60.14	277.39	63.30	285.71	65.20	291.26	66.47	302.35	70.27		
	20.00	185.61	46.96	214.16	51.96	242.72	59.48	285.55	62.61	294.11	64.49	299.82	65.74	311.25	69.49		
	25.00	180.30	48.00	208.04	53.12	235.78	60.80	277.39	64.00	285.71	65.92	291.26	67.20	302.35	71.04		
	30.00	182.07	49.56	210.08	54.85	238.09	62.78	280.11	66.09	288.51	68.07	294.11	69.39	305.32	73.36		
	35.00	176.77	52.17	203.96	57.74	231.16	66.09	271.95	69.56	280.11	71.65	285.55	73.04	296.43	77.22		
	39.00	169.70	53.48	195.80	61.48	221.91	70.37	261.07	72.69	268.90	75.23	274.13	76.69	281.13	81.08		
	41.00	166.16	54.00	191.72	63.21	217.29	72.35	255.63	74.08	263.30	76.30	268.41	77.78	278.64	82.22		
	43.00	162.63	54.52	187.65	66.08	212.66	75.63	250.19	75.46	257.70	77.72	262.70	79.23	272.71	83.76		
46.00	141.41	59.71	163.17	71.25	184.93	81.55	217.56	85.85	224.09	88.42	228.44	90.14	237.14	95.29			
50.00	114.90	62.31	132.58	71.83	150.25	82.21	176.77	89.31	182.07	91.99	185.61	93.77	192.68	99.13			
110%	-5.00	178.60	46.73	206.08	51.71	233.56	59.19	274.77	62.30	283.02	64.17	288.51	65.42	299.50	69.15		
	0.00	178.60	46.73	206.08	51.71	233.56	59.19	274.77	62.30	283.02	64.17	288.51	65.42	299.50	69.15		
	5.00	178.60	46.73	206.08	51.71	233.56	59.19	274.77	62.30	283.02	64.17	288.51	65.42	299.50	69.15		
	10.00	176.87	46.73	204.08	51.71	231.29	59.19	272.11	62.30	280.27	64.17	285.71	65.42	296.59	69.15		
	15.00	176.87	47.24	204.08	52.28	231.29	59.84	272.11	62.99	280.27	64.88	285.71	66.14	296.59	69.92		
	20.00	182.07	46.73	210.08	51.71	238.09	59.19	280.11	62.30	288.51	64.17	294.11	65.42	305.32	69.15		
	25.00	176.87	47.76	204.08	52.86	231.29	60.50	272.11	63.69	280.27	65.60	285.71	66.87	296.59	70.69		
	30.00	178.60	49.32	206.08	54.58	233.56	62.47	274.77	65.76	283.02	67.73	288.51	69.05	299.50	73.00		
	35.00	173.40	51.92	200.08	57.46	226.75	65.76	266.77	69.22	274.77	71.30	280.11	72.68	290.78	76.84		
	39.00	166.46	53.47	192.07	61.48	217.68	70.37	256.10	72.68	263.78	74.86	268.90	76.32	279.15	80.68		
	41.00	163.00	53.99	188.07	63.20	213.15	72.34	250.76	74.07	258.29	76.29	263.30	77.77	273.33	82.22		
	43.00	159.53	54.51	184.07	66.07	208.61	75.63	245.43	75.45	252.79	77.72	257.70	79.23	267.52	83.75		
46.00	138.72	59.70	160.06	71.24	181.40	81.54	213.42	85.84	219.82	88.41	224.09	90.13	232.62	95.28			
50.00	112.71	62.30	130.05	71.82	147.39	82.20	173.40	89.30	178.60	91.98	182.07	93.76	189.01	99.12			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT092S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	173.40	46.04	200.08	50.95	226.75	58.31	266.77	61.38	274.77	63.22	280.11	64.45	290.78	68.13		
	0.00	173.40	46.04	200.08	50.95	226.75	58.31	266.77	61.38	274.77	63.22	280.11	64.45	290.78	68.13		
	5.00	173.40	46.04	200.08	50.95	226.75	58.31	266.77	61.38	274.77	63.22	280.11	64.45	290.78	68.13		
	10.00	171.72	46.04	198.14	50.95	224.55	58.31	264.18	61.38	272.11	63.22	277.39	64.45	287.96	68.13		
	15.00	171.72	46.55	198.14	51.51	224.55	58.96	264.18	62.06	272.11	63.92	277.39	65.17	287.96	68.89		
	20.00	176.77	46.04	203.96	50.95	231.16	58.31	271.95	61.38	280.11	63.22	285.55	64.45	296.43	68.13		
	25.00	171.72	47.06	198.14	52.08	224.55	59.61	264.18	62.74	272.11	64.63	277.39	65.88	287.96	69.65		
	30.00	173.40	48.59	200.08	53.78	226.75	61.55	266.77	64.79	274.77	66.73	280.11	68.03	290.78	71.92		
	35.00	168.35	51.15	194.25	56.61	220.15	64.79	259.00	68.20	266.77	70.25	271.95	71.61	282.31	75.70		
	39.00	161.62	52.68	186.48	60.57	211.34	69.33	248.64	71.61	256.10	73.76	261.07	75.19	271.02	79.49		
	41.00	158.25	53.20	182.60	62.27	206.94	71.27	243.46	72.97	250.76	75.16	255.63	76.62	265.37	81.00		
	43.00	154.88	53.71	178.71	65.10	202.54	74.51	238.28	74.34	245.43	76.57	250.19	78.05	259.73	82.52		
46.00	134.68	58.82	155.40	70.19	176.12	80.34	207.20	84.57	213.42	87.11	217.56	88.80	225.85	93.87			
50.00	109.43	61.38	126.26	70.76	143.10	80.99	168.35	87.98	173.40	90.62	176.77	92.38	183.50	97.66			
90%	-5.00	156.06	38.21	180.07	42.28	204.08	48.40	240.09	50.95	247.30	52.47	252.10	53.49	261.70	56.55		
	0.00	156.06	38.21	180.07	42.28	204.08	48.40	240.09	50.95	247.30	52.47	252.10	53.49	261.70	56.55		
	5.00	156.06	38.21	180.07	42.28	204.08	48.40	240.09	50.95	247.30	52.47	252.10	53.49	261.70	56.55		
	10.00	154.55	38.21	178.32	42.28	202.10	48.40	237.76	50.95	244.89	52.47	249.65	53.49	259.16	56.55		
	15.00	154.55	38.63	178.32	42.75	202.10	48.94	237.76	51.51	244.89	53.06	249.65	54.09	259.16	57.18		
	20.00	159.09	38.21	183.57	42.28	208.04	48.40	244.76	50.95	252.10	52.47	256.99	53.49	266.78	56.55		
	25.00	154.55	39.06	178.32	43.22	202.10	49.47	237.76	52.08	244.89	53.64	249.65	54.68	259.16	57.81		
	30.00	156.06	40.33	180.07	44.63	204.08	51.09	240.09	53.78	247.30	55.39	252.10	56.46	261.70	59.69		
	35.00	151.52	42.45	174.83	46.98	198.14	53.78	233.10	56.61	240.09	58.30	244.76	59.44	254.08	62.83		
	39.00	145.45	43.73	167.83	50.27	190.21	57.54	223.78	59.44	230.49	61.22	234.96	62.41	243.92	65.97		
	41.00	142.42	44.15	164.34	51.68	186.25	59.15	219.11	60.57	225.69	62.39	230.07	63.60	238.83	67.23		
	43.00	139.39	44.58	160.84	54.03	182.28	61.84	214.45	61.70	220.89	63.55	225.17	64.79	233.75	68.49		
46.00	129.64	47.06	149.58	56.15	169.52	64.27	199.44	67.65	205.42	69.68	209.41	71.04	217.39	75.10			
50.00	122.67	50.95	141.54	58.73	160.41	67.22	188.72	73.02	194.38	75.21	198.15	76.67	205.70	81.05			
80%	-5.00	138.72	32.68	160.06	36.17	181.40	41.40	213.42	43.58	219.82	44.89	224.09	45.76	232.62	48.37		
	0.00	138.72	32.68	160.06	36.17	181.40	41.40	213.42	43.58	219.82	44.89	224.09	45.76	232.62	48.37		
	5.00	138.72	32.68	160.06	36.17	181.40	41.40	213.42	43.58	219.82	44.89	224.09	45.76	232.62	48.37		
	10.00	137.37	32.68	158.51	36.17	179.64	41.40	211.34	43.58	217.68	44.89	221.91	45.76	230.36	48.37		
	15.00	137.37	33.05	158.51	36.57	179.64	41.86	211.34	44.06	217.68	45.39	221.91	46.27	230.36	48.91		
	20.00	141.41	32.68	163.17	36.17	184.93	41.40	217.56	43.58	224.09	44.89	228.44	45.76	237.14	48.37		
	25.00	137.37	33.41	158.51	36.98	179.64	42.32	211.34	44.55	217.68	45.88	221.91	46.78	230.36	49.45		
	30.00	142.19	34.50	164.06	38.18	185.94	43.70	218.75	46.00	225.31	47.38	229.69	48.30	238.44	51.06		
	35.00	138.05	36.32	159.29	40.19	180.52	46.00	212.38	48.42	218.75	49.87	223.00	50.84	231.49	53.75		
	39.00	132.53	37.41	152.91	43.00	173.30	49.22	203.88	50.84	210.00	52.37	214.08	53.39	222.23	56.44		
	41.00	129.76	37.77	149.73	44.21	169.69	50.60	199.64	51.81	205.63	53.37	209.62	54.40	217.60	57.51		
	43.00	127.00	38.13	146.54	46.22	166.08	52.90	195.39	52.78	201.25	54.36	205.16	55.42	212.97	58.59		
46.00	119.87	41.76	138.31	49.84	156.75	57.04	184.41	60.04	189.94	61.84	193.63	63.05	201.00	66.65			
50.00	101.77	43.58	117.42	50.24	133.08	57.50	156.57	62.46	161.26	64.34	164.39	65.59	170.66	69.34			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT092S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	124.85	27.62	144.06	30.57	163.26	34.99	192.07	36.83	197.84	37.93	201.68	38.67	209.36	40.88		
	0.00	124.85	27.62	144.06	30.57	163.26	34.99	192.07	36.83	197.84	37.93	201.68	38.67	209.36	40.88		
	5.00	124.85	27.62	144.06	30.57	163.26	34.99	192.07	36.83	197.84	37.93	201.68	38.67	209.36	40.88		
	10.00	123.64	27.62	142.66	30.57	161.68	34.99	190.21	36.83	195.92	37.93	199.72	38.67	207.33	40.88		
	15.00	123.64	27.93	142.66	30.91	161.68	35.38	190.21	37.24	195.92	38.35	199.72	39.10	207.33	41.33		
	20.00	127.27	27.62	146.85	30.57	166.43	34.99	195.80	36.83	201.68	37.93	205.59	38.67	213.43	40.88		
	25.00	123.64	28.23	142.66	31.25	161.68	35.76	190.21	37.65	195.92	38.78	199.72	39.53	207.33	41.79		
	30.00	124.85	29.16	144.06	32.27	163.26	36.93	192.07	38.87	197.84	40.04	201.68	40.82	209.36	43.15		
	35.00	121.21	30.69	139.86	33.96	158.51	38.87	186.48	40.92	192.07	42.15	195.80	42.97	203.26	45.42		
	39.00	116.36	31.61	134.27	36.34	152.17	41.60	179.02	42.97	184.39	44.25	187.97	45.11	195.13	47.69		
	41.00	113.94	31.92	131.47	37.36	149.00	42.76	175.29	43.78	180.55	45.10	184.06	45.97	191.07	48.60		
	43.00	111.52	32.22	128.67	39.06	145.83	44.71	171.56	44.60	176.71	45.94	180.14	46.83	187.00	49.51		
46.00	105.05	33.53	121.21	40.01	137.37	45.79	161.62	48.20	166.46	49.65	169.70	50.61	176.16	53.51			
50.00	85.35	34.99	98.48	40.33	111.62	46.16	131.31	50.15	135.25	51.65	137.88	52.65	143.13	55.66			
60%	-5.00	107.51	22.56	124.05	24.96	140.59	28.57	165.40	30.08	170.36	30.98	173.67	31.58	180.28	33.38		
	0.00	107.51	22.56	124.05	24.96	140.59	28.57	165.40	30.08	170.36	30.98	173.67	31.58	180.28	33.38		
	5.00	107.51	22.56	124.05	24.96	140.59	28.57	165.40	30.08	170.36	30.98	173.67	31.58	180.28	33.38		
	10.00	106.46	22.56	122.84	24.96	139.22	28.57	163.79	30.08	168.71	30.98	171.98	31.58	178.53	33.38		
	15.00	106.46	22.81	122.84	25.24	139.22	28.89	163.79	30.41	168.71	31.32	171.98	31.93	178.53	33.76		
	20.00	109.60	22.56	126.46	24.96	143.32	28.57	168.61	30.08	173.67	30.98	177.04	31.58	183.78	33.38		
	25.00	106.46	23.06	122.84	25.52	139.22	29.21	163.79	30.74	168.71	31.67	171.98	32.28	178.53	34.13		
	30.00	107.51	23.81	124.05	26.35	140.59	30.16	165.40	31.75	170.36	32.70	173.67	33.33	180.28	35.24		
	35.00	104.38	25.06	120.44	27.74	136.49	31.75	160.58	33.42	165.40	34.42	168.61	35.09	175.03	37.09		
	39.00	100.20	25.82	115.62	29.68	131.03	33.97	154.16	35.09	158.78	36.14	161.86	36.84	168.03	38.95		
	41.00	98.11	26.07	113.21	30.51	128.30	34.92	150.95	35.76	155.47	36.83	158.49	37.55	164.53	39.69		
	43.00	96.03	26.32	110.80	31.90	125.57	36.51	147.73	36.43	152.17	37.52	155.12	38.25	161.03	40.43		
46.00	92.93	28.82	107.23	34.39	121.52	39.37	142.97	41.44	147.26	42.68	150.12	43.51	155.84	46.00			
50.00	75.50	30.08	87.12	34.67	98.74	39.68	116.16	43.11	119.65	44.40	121.97	45.26	126.62	47.85			
50%	-5.00	86.70	18.41	100.04	20.38	113.38	23.32	133.39	24.55	137.39	25.29	140.05	25.78	145.39	27.25		
	0.00	86.70	18.41	100.04	20.38	113.38	23.32	133.39	24.55	137.39	25.29	140.05	25.78	145.39	27.25		
	5.00	86.70	18.41	100.04	20.38	113.38	23.32	133.39	24.55	137.39	25.29	140.05	25.78	145.39	27.25		
	10.00	85.86	18.41	99.07	20.38	112.28	23.32	132.09	24.55	136.05	25.29	138.69	25.78	143.98	27.25		
	15.00	85.86	18.62	99.07	20.60	112.28	23.58	132.09	24.82	136.05	25.57	138.69	26.07	143.98	27.56		
	20.00	88.38	18.41	101.98	20.38	115.58	23.32	135.98	24.55	140.05	25.29	142.77	25.78	148.21	27.25		
	25.00	85.86	18.82	99.07	20.83	112.28	23.84	132.09	25.10	136.05	25.85	138.69	26.35	143.98	27.86		
	30.00	86.70	19.44	100.04	21.51	113.38	24.62	133.39	25.92	137.39	26.69	140.05	27.21	145.39	28.77		
	35.00	84.18	20.46	97.13	22.64	110.08	25.92	129.50	27.28	133.39	28.10	135.98	28.64	141.16	30.28		
	39.00	80.81	21.07	93.24	24.23	105.67	27.73	124.32	28.64	128.05	29.50	130.54	30.08	135.51	31.79		
	41.00	79.12	21.28	91.30	24.91	103.47	28.51	121.73	29.19	125.38	30.07	127.82	30.65	132.69	32.40		
	43.00	77.44	21.48	89.36	26.04	101.27	29.80	119.14	29.74	122.71	30.63	125.10	31.22	129.86	33.01		
46.00	73.57	22.35	84.89	26.67	96.21	30.53	113.18	32.14	116.58	33.10	118.84	33.74	123.37	35.67			
50.00	71.25	23.32	82.21	26.89	93.17	30.78	109.61	33.43	112.90	34.43	115.09	35.10	119.47	37.11			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT094S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	190.19	47.71	219.46	52.80	248.72	60.44	292.61	63.62	301.39	65.53	307.24	66.80	318.94	70.62
	0.00	190.19	47.71	219.46	52.80	248.72	60.44	292.61	63.62	301.39	65.53	307.24	66.80	318.94	70.62
	5.00	190.19	47.71	219.46	52.80	248.72	60.44	292.61	63.62	301.39	65.53	307.24	66.80	318.94	70.62
	10.00	188.35	47.71	217.33	52.80	246.30	60.44	289.77	63.62	298.46	65.53	304.26	66.80	315.85	70.62
	15.00	188.35	48.24	217.33	53.39	246.30	61.11	289.77	64.32	298.46	66.25	304.26	67.54	315.85	71.40
	20.00	193.89	47.71	223.72	52.80	253.55	17.72	298.29	17.72	307.24	17.72	313.20	17.72	325.14	70.62
	25.00	188.35	48.77	217.33	53.98	246.30	61.78	289.77	65.03	298.46	66.98	304.26	68.28	315.85	72.18
	30.00	190.19	50.36	219.46	55.74	248.72	63.79	292.61	67.15	301.39	69.17	307.24	70.51	318.94	74.54
	35.00	184.66	53.01	213.06	58.67	241.47	67.15	284.09	70.69	292.61	72.81	298.29	74.22	309.65	78.46
	39.00	177.27	54.60	204.54	62.78	231.81	71.85	272.72	74.22	280.90	76.45	286.36	77.93	297.27	82.38
	41.00	173.58	55.68	200.28	65.17	226.98	74.59	267.04	76.38	275.05	78.67	280.39	80.19	291.07	84.78
	43.00	169.88	56.21	196.02	68.13	222.15	77.98	261.36	77.80	269.20	80.14	274.43	81.69	284.88	86.36
46.00	147.72	61.56	170.45	73.46	193.18	84.08	227.27	88.51	234.09	91.17	238.63	92.94	247.72	98.25	
50.00	120.03	64.24	138.49	74.06	156.96	84.76	184.66	92.08	190.19	94.84	193.89	96.68	201.27	102.21	
120%	-5.00	186.64	47.71	215.35	52.80	244.07	60.44	287.14	63.62	295.75	65.53	301.50	66.80	312.98	70.62
	0.00	186.64	47.71	215.35	52.80	244.07	60.44	287.14	63.62	295.75	65.53	301.50	66.80	312.98	70.62
	5.00	186.64	47.71	215.35	52.80	244.07	60.44	287.14	63.62	295.75	65.53	301.50	66.80	312.98	70.62
	10.00	184.83	47.71	213.26	52.80	241.70	60.44	284.35	63.62	292.88	65.53	298.57	66.80	309.94	70.62
	15.00	184.83	48.24	213.26	53.39	241.70	61.11	284.35	64.32	292.88	66.25	298.57	67.54	309.94	71.40
	20.00	190.26	47.71	219.54	52.80	248.81	60.44	292.71	63.62	301.50	65.53	307.35	66.80	319.06	70.62
	25.00	184.83	48.77	213.26	53.98	241.70	61.78	284.35	65.03	292.88	66.98	298.57	68.28	309.94	72.18
	30.00	186.64	50.36	215.35	55.74	244.07	63.79	287.14	67.15	295.75	69.17	301.50	70.51	312.98	74.54
	35.00	181.20	53.01	209.08	58.67	236.96	67.15	278.78	70.69	287.14	72.81	292.71	74.22	303.86	78.46
	39.00	173.96	54.34	200.72	62.47	227.48	71.51	267.62	73.86	275.65	16.08	281.01	27.34	291.71	81.99
	41.00	170.33	54.87	196.54	64.23	222.74	73.51	262.05	75.27	269.91	77.53	275.15	79.03	285.63	83.55
	43.00	166.71	55.40	192.35	67.15	218.00	76.85	256.47	76.68	264.17	78.98	269.30	80.51	279.56	85.11
46.00	144.96	60.67	167.27	72.40	189.57	82.87	223.02	87.23	229.71	89.85	234.17	91.59	243.09	96.82	
50.00	117.78	63.31	135.90	72.98	154.02	83.54	181.20	90.75	186.64	93.47	190.26	95.28	197.51	100.73	
110%	-5.00	183.08	47.48	211.25	52.54	239.42	60.14	281.67	63.31	290.12	65.20	295.75	66.47	307.02	70.27
	0.00	183.08	47.48	211.25	52.54	239.42	60.14	281.67	63.31	290.12	65.20	295.75	66.47	307.02	70.27
	5.00	183.08	47.48	211.25	52.54	239.42	60.14	281.67	63.31	290.12	65.20	295.75	66.47	307.02	70.27
	10.00	181.31	47.48	209.20	52.54	237.09	60.14	278.93	63.31	287.30	65.20	292.88	66.47	304.04	70.27
	15.00	181.31	48.01	209.20	53.13	237.09	60.81	278.93	64.01	287.30	65.93	292.88	67.21	304.04	71.05
	20.00	186.64	47.48	215.35	52.54	244.07	60.14	287.14	63.31	295.75	65.20	301.50	66.47	312.98	70.27
	25.00	181.31	48.53	209.20	53.71	237.09	61.48	278.93	64.71	287.30	66.65	292.88	67.95	304.04	71.83
	30.00	183.08	50.12	211.25	55.46	239.42	63.48	281.67	66.82	290.12	68.83	295.75	70.16	307.02	74.17
	35.00	177.75	52.75	205.10	58.38	232.45	66.82	273.47	70.34	281.67	72.45	287.14	73.86	298.08	78.08
	39.00	170.64	54.34	196.89	62.47	223.15	71.50	262.53	73.86	270.40	76.07	275.65	77.55	286.15	81.98
	41.00	167.09	54.86	192.79	64.22	218.50	73.50	257.06	75.26	264.77	77.52	269.91	79.03	280.19	83.54
	43.00	163.53	55.39	188.69	67.14	213.85	76.85	251.59	76.67	259.14	78.97	264.17	80.50	274.23	85.10
46.00	142.20	60.67	164.08	72.39	185.96	82.86	218.77	87.22	225.34	89.84	229.71	91.58	238.46	96.82	
50.00	115.54	63.31	133.31	72.98	151.09	83.53	177.75	90.74	183.08	93.46	186.64	95.27	193.75	100.72	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT094S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	177.75	46.78	205.10	51.77	232.45	59.25	273.47	62.37	281.67	64.24	287.14	65.49	298.08	69.23		
	0.00	177.75	46.78	205.10	51.77	232.45	59.25	273.47	62.37	281.67	64.24	287.14	65.49	298.08	69.23		
	5.00	177.75	46.78	205.10	51.77	232.45	59.25	273.47	62.37	281.67	64.24	287.14	65.49	298.08	69.23		
	10.00	176.03	46.78	203.11	51.77	230.19	59.25	270.81	62.37	278.93	64.24	284.35	65.49	295.18	69.23		
	15.00	176.03	47.30	203.11	52.34	230.19	59.91	270.81	63.06	278.93	64.95	284.35	66.22	295.18	70.00		
	20.00	181.20	46.78	209.08	51.77	236.96	59.25	278.78	62.37	287.14	64.24	292.71	65.49	303.86	69.23		
	25.00	176.03	47.82	203.11	52.92	230.19	60.57	270.81	63.76	278.93	65.67	284.35	66.94	295.18	70.77		
	30.00	177.75	49.38	205.10	54.64	232.45	62.54	273.47	65.84	281.67	67.81	287.14	69.13	298.08	73.08		
	35.00	172.58	51.98	199.13	57.52	225.68	65.84	265.50	69.30	273.47	71.38	278.78	72.77	289.40	76.92		
	39.00	165.67	53.53	191.16	61.55	216.65	70.44	254.88	72.77	262.53	74.95	267.62	76.40	277.82	80.77		
	41.00	162.22	54.05	187.18	63.27	212.13	72.42	249.57	74.15	257.06	76.38	262.05	77.86	272.03	82.31		
	43.00	158.77	54.57	183.20	66.15	207.62	75.71	244.26	75.54	251.59	77.80	256.47	79.31	266.24	83.85		
	46.00	138.06	59.77	159.30	71.32	180.54	81.64	212.40	85.93	218.77	88.51	223.02	90.23	231.52	95.38		
50.00	112.17	62.37	129.43	71.90	146.69	82.29	172.58	89.40	177.75	92.08	181.20	93.87	188.11	99.23			
90%	-5.00	159.98	38.83	184.59	42.97	209.20	49.18	246.12	51.77	253.50	53.32	258.42	54.36	268.27	57.46		
	0.00	159.98	38.83	184.59	42.97	209.20	49.18	246.12	51.77	253.50	53.32	258.42	54.36	268.27	57.46		
	5.00	159.98	38.83	184.59	42.97	209.20	49.18	246.12	51.77	253.50	53.32	258.42	54.36	268.27	57.46		
	10.00	158.42	38.83	182.80	42.97	207.17	49.18	243.73	51.77	251.04	53.32	255.92	54.36	265.66	57.46		
	15.00	158.42	39.26	182.80	43.44	207.17	49.73	243.73	52.34	251.04	53.91	255.92	54.96	265.66	58.10		
	20.00	163.08	38.83	188.17	42.97	213.26	49.18	250.90	51.77	258.42	53.32	263.44	54.36	273.48	57.46		
	25.00	158.42	39.69	182.80	43.92	207.17	50.27	243.73	52.92	251.04	54.51	255.92	55.56	265.66	58.74		
	30.00	159.98	40.98	184.59	45.35	209.20	51.91	246.12	54.64	253.50	56.28	258.42	57.38	268.27	60.65		
	35.00	155.32	43.14	179.21	47.74	203.11	54.64	238.95	57.52	246.12	59.24	250.90	60.39	260.46	63.85		
	39.00	149.10	44.43	172.04	51.08	194.98	58.47	229.39	60.39	236.27	62.21	240.86	63.41	250.04	67.04		
	41.00	146.00	44.86	168.46	52.51	190.92	60.11	224.61	61.55	231.35	63.39	235.84	64.62	244.83	68.32		
	43.00	142.89	45.30	164.88	54.90	186.86	62.84	219.83	62.70	226.43	64.58	230.83	65.83	239.62	69.59		
	46.00	132.89	47.82	153.33	57.06	173.78	65.31	204.45	68.75	210.58	70.81	214.67	72.18	222.85	76.31		
50.00	125.75	51.77	145.09	59.68	164.44	68.30	193.45	74.20	199.26	76.43	203.13	77.91	210.86	82.36			
80%	-5.00	142.20	33.21	164.08	36.75	185.96	42.07	218.77	44.28	225.34	45.61	229.71	46.50	238.46	49.15		
	0.00	142.20	33.21	164.08	36.75	185.96	42.07	218.77	44.28	225.34	45.61	229.71	46.50	238.46	49.15		
	5.00	142.20	33.21	164.08	36.75	185.96	42.07	218.77	44.28	225.34	45.61	229.71	46.50	238.46	49.15		
	10.00	140.82	33.21	162.49	36.75	184.15	42.07	216.65	44.28	223.15	45.61	227.48	46.50	236.15	49.15		
	15.00	140.82	33.58	162.49	37.16	184.15	42.54	216.65	44.77	223.15	46.12	227.48	47.01	236.15	49.70		
	20.00	144.96	33.21	167.27	36.75	189.57	42.07	223.02	44.28	229.71	45.61	234.17	46.50	243.09	49.15		
	25.00	140.82	33.95	162.49	37.57	184.15	43.00	216.65	45.27	223.15	46.62	227.48	47.53	236.15	50.25		
	30.00	145.76	35.06	168.18	38.80	190.61	44.41	224.24	46.74	230.97	48.15	235.45	49.08	244.42	51.88		
	35.00	141.51	36.90	163.28	40.84	185.05	46.74	217.71	49.20	224.24	50.68	228.60	51.66	237.30	54.62		
	39.00	135.85	38.01	156.75	43.70	177.65	50.01	209.00	51.66	215.27	53.21	219.45	54.25	227.81	57.35		
	41.00	133.02	38.38	153.49	44.92	173.95	51.42	204.65	52.65	210.79	54.23	214.88	55.28	223.07	58.44		
	43.00	130.19	38.75	150.22	46.96	170.25	53.75	200.29	53.63	206.30	55.24	210.31	56.31	218.32	59.53		
	46.00	122.87	42.44	141.78	50.64	160.68	57.96	189.04	61.01	194.71	62.84	198.49	64.06	206.05	67.72		
50.00	104.32	44.28	120.37	51.05	136.42	58.43	160.49	63.47	165.31	65.38	168.52	66.65	174.94	70.45			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT094S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5.00	127.98	28.07	147.67	31.06	167.36	35.55	196.89	37.42	202.80	38.54	206.74	39.29	214.62	41.54		
	0.00	127.98	28.07	147.67	31.06	167.36	35.55	196.89	37.42	202.80	38.54	206.74	39.29	214.62	41.54		
	5.00	127.98	28.07	147.67	31.06	167.36	35.55	196.89	37.42	202.80	38.54	206.74	39.29	214.62	41.54		
	10.00	126.74	28.07	146.24	31.06	165.74	35.55	194.98	37.42	200.83	38.54	204.73	39.29	212.53	41.54		
	15.00	126.74	28.38	146.24	31.41	165.74	35.95	194.98	37.84	200.83	38.97	204.73	39.73	212.53	42.00		
	20.00	130.47	28.07	150.54	31.06	170.61	35.55	200.72	37.42	206.74	38.54	210.75	39.29	218.78	41.54		
	25.00	126.74	28.69	146.24	31.75	165.74	36.34	194.98	38.25	200.83	39.40	204.73	40.17	212.53	42.46		
	30.00	127.98	29.63	147.67	32.79	167.36	37.53	196.89	39.50	202.80	40.69	206.74	41.48	214.62	43.85		
	35.00	124.25	31.19	143.37	34.51	162.49	39.50	191.16	41.58	196.89	42.83	200.72	43.66	208.36	46.15		
	39.00	119.28	32.12	137.64	36.93	155.99	42.27	183.51	43.66	189.02	44.97	192.69	45.84	200.03	48.46		
	41.00	116.80	32.43	134.77	37.96	152.74	43.45	179.69	44.49	185.08	45.83	188.67	46.72	195.86	49.38		
	43.00	114.31	32.74	131.90	39.69	149.49	45.43	175.87	45.32	181.14	46.68	184.66	47.59	191.70	50.31		
46.00	107.69	34.07	124.25	40.65	140.82	46.53	165.67	48.98	170.64	50.45	173.96	51.43	180.58	54.37			
50.00	87.50	35.55	100.96	40.98	114.42	46.91	134.61	50.96	138.65	52.48	141.34	53.50	146.72	56.56			
60%	-5.00	110.21	22.92	127.16	25.37	144.12	29.03	169.55	30.56	174.63	31.48	178.03	32.09	184.81	33.92		
	0.00	110.21	22.92	127.16	25.37	144.12	29.03	169.55	30.56	174.63	31.48	178.03	32.09	184.81	33.92		
	5.00	110.21	22.92	127.16	25.37	144.12	29.03	169.55	30.56	174.63	31.48	178.03	32.09	184.81	33.92		
	10.00	109.14	22.92	125.93	25.37	142.72	29.03	167.90	30.56	172.94	31.48	176.30	32.09	183.01	33.92		
	15.00	109.14	23.18	125.93	25.65	142.72	29.36	167.90	30.90	172.94	31.83	176.30	32.45	183.01	34.30		
	20.00	112.35	22.92	129.63	25.37	146.91	29.03	172.84	30.56	178.03	31.48	181.48	32.09	188.40	33.92		
	25.00	109.14	23.43	125.93	25.93	142.72	29.68	167.90	31.24	172.94	32.18	176.30	32.80	183.01	34.68		
	30.00	110.21	24.19	127.16	26.78	144.12	30.65	169.55	32.26	174.63	33.23	178.03	33.87	184.81	35.81		
	35.00	107.00	25.47	123.46	28.18	139.92	32.26	164.61	33.96	169.55	34.98	172.84	35.65	179.42	37.69		
	39.00	102.72	26.23	118.52	30.16	134.32	34.52	158.03	35.65	162.77	36.72	165.93	37.44	172.25	39.58		
	41.00	100.58	26.49	116.05	31.00	131.52	35.49	154.73	36.33	159.38	37.42	162.47	38.15	168.66	40.33		
	43.00	98.44	26.74	113.58	32.41	128.73	37.10	151.44	37.01	155.98	38.12	159.01	38.86	165.07	41.08		
46.00	95.26	29.29	109.92	34.95	124.57	40.00	146.56	42.11	150.95	43.37	153.88	44.21	159.75	46.74			
50.00	77.40	30.56	89.31	35.23	101.22	40.32	119.08	43.80	122.65	45.12	125.03	45.99	129.79	48.62			
50%	-5.00	88.88	18.71	102.55	20.71	116.22	23.70	136.73	24.95	140.83	25.70	143.57	26.20	149.04	27.69		
	0.00	88.88	18.71	102.55	20.71	116.22	23.70	136.73	24.95	140.83	25.70	143.57	26.20	149.04	27.69		
	5.00	88.88	18.71	102.55	20.71	116.22	23.70	136.73	24.95	140.83	25.70	143.57	26.20	149.04	27.69		
	10.00	88.01	18.71	101.55	20.71	115.09	23.70	135.41	24.95	139.47	25.70	142.18	26.20	147.59	27.69		
	15.00	88.01	18.92	101.55	20.94	115.09	23.96	135.41	25.23	139.47	25.98	142.18	26.49	147.59	28.00		
	20.00	90.60	18.71	104.54	20.71	118.48	23.70	139.39	24.95	143.57	25.70	146.36	26.20	151.93	27.69		
	25.00	88.01	19.13	101.55	21.17	115.09	24.23	135.41	25.50	139.47	26.27	142.18	26.78	147.59	28.31		
	30.00	88.88	19.75	102.55	21.86	116.22	25.02	136.73	26.33	140.83	27.12	143.57	27.65	149.04	29.23		
	35.00	86.29	20.79	99.56	23.01	112.84	26.33	132.75	27.72	136.73	28.55	139.39	29.11	144.70	30.77		
	39.00	82.84	21.41	95.58	24.62	108.32	28.18	127.44	29.11	131.26	29.98	133.81	30.56	138.91	32.31		
	41.00	81.11	21.62	93.59	25.31	106.07	28.97	124.79	29.66	128.53	30.55	131.02	31.14	136.02	32.92		
	43.00	79.38	21.83	91.60	26.46	103.81	30.28	122.13	30.21	125.79	31.12	128.24	31.73	133.12	33.54		
46.00	75.42	22.71	87.02	27.10	98.62	31.02	116.02	32.65	119.50	33.63	121.82	34.29	126.47	36.25			
50.00	73.03	23.70	84.27	27.32	95.51	31.27	112.36	33.97	115.73	34.99	117.98	35.67	122.47	37.71			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT096S73HQSS										Cooling Capacity			
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	194.85	48.47	224.83	53.64	254.81	61.40	299.77	64.63	308.76	66.57	314.76	67.86	326.75	71.74
	0.00	194.85	48.47	224.83	53.64	254.81	61.40	299.77	64.63	308.76	66.57	314.76	67.86	326.75	71.74
	5.00	194.85	48.47	224.83	53.64	254.81	61.40	299.77	64.63	308.76	66.57	314.76	67.86	326.75	71.74
	10.00	192.96	48.47	222.65	53.64	252.33	61.40	296.86	64.63	305.77	66.57	311.70	67.86	323.58	71.74
	15.00	192.96	49.01	222.65	54.24	252.33	62.08	296.86	65.35	305.77	67.31	311.70	68.61	323.58	72.53
	20.00	198.63	48.47	229.19	53.64	259.75	17.72	305.59	17.72	314.76	17.72	320.87	17.72	333.10	71.74
	25.00	192.96	49.55	222.65	54.83	252.33	62.76	296.86	66.06	305.77	68.05	311.70	69.37	323.58	73.33
	30.00	194.85	51.16	224.83	56.62	254.81	64.81	299.77	68.22	308.76	70.26	314.76	71.63	326.75	75.72
	35.00	189.18	53.86	218.28	59.60	247.38	68.22	291.04	71.81	299.77	73.96	305.59	75.40	317.23	79.71
	39.00	181.61	55.47	209.55	63.77	237.49	72.99	279.40	75.40	287.78	77.66	293.37	79.17	304.54	83.69
	41.00	177.83	56.56	205.18	66.20	232.54	75.78	273.58	77.59	281.78	79.92	287.26	81.47	298.20	86.12
	43.00	174.04	57.10	200.82	69.21	227.59	79.22	267.76	79.04	275.79	81.41	281.14	82.99	291.85	87.73
46.00	151.34	62.54	174.62	74.63	197.91	85.42	232.83	89.91	239.82	92.61	244.47	94.41	253.79	99.81	
50.00	122.96	65.26	141.88	75.23	160.80	86.11	189.18	93.54	194.85	96.35	198.63	98.22	206.20	103.83	
120%	-5.00	191.21	48.47	220.63	53.64	250.04	61.40	294.17	64.63	302.99	66.57	308.88	67.86	320.64	71.74
	0.00	191.21	48.47	220.63	53.64	250.04	61.40	294.17	64.63	302.99	66.57	308.88	67.86	320.64	71.74
	5.00	191.21	48.47	220.63	53.64	250.04	61.40	294.17	64.63	302.99	66.57	308.88	67.86	320.64	71.74
	10.00	189.35	48.47	218.48	53.64	247.62	61.40	291.31	64.63	300.05	66.57	305.88	67.86	317.53	71.74
	15.00	189.35	49.01	218.48	54.24	247.62	62.08	291.31	65.35	300.05	67.31	305.88	68.61	317.53	72.53
	20.00	194.92	48.47	224.91	53.64	254.90	61.40	299.88	64.63	308.88	66.57	314.87	67.86	326.87	71.74
	25.00	189.35	49.55	218.48	54.83	247.62	62.76	291.31	66.06	300.05	68.05	305.88	69.37	317.53	73.33
	30.00	191.21	51.16	220.63	56.62	250.04	64.81	294.17	68.22	302.99	70.26	308.88	71.63	320.64	75.72
	35.00	185.64	53.86	214.20	59.60	242.76	68.22	285.60	71.81	294.17	73.96	299.88	75.40	311.30	79.71
	39.00	178.21	55.21	205.63	63.47	233.05	72.64	274.18	75.04	282.40	77.66	287.88	79.17	298.20	83.69
	41.00	174.50	55.74	201.35	65.25	228.19	74.68	268.46	76.47	276.52	78.76	281.89	80.29	292.63	84.88
	43.00	170.79	56.28	197.06	68.21	223.34	78.07	262.75	77.89	270.63	80.23	275.89	81.79	286.40	86.46
46.00	148.51	61.64	171.36	73.55	194.21	84.18	228.48	88.61	235.33	91.27	239.90	93.05	249.04	98.36	
50.00	120.67	64.32	139.23	74.14	157.79	84.86	185.64	92.19	191.21	94.95	194.92	96.80	202.35	102.33	
110%	-5.00	187.57	48.23	216.42	53.38	245.28	61.09	288.56	64.31	297.22	66.24	302.99	67.53	314.54	71.38
	0.00	187.57	48.23	216.42	53.38	245.28	61.09	288.56	64.31	297.22	66.24	302.99	67.53	314.54	71.38
	5.00	187.57	48.23	216.42	53.38	245.28	61.09	288.56	64.31	297.22	66.24	302.99	67.53	314.54	71.38
	10.00	185.75	48.23	214.32	53.38	242.90	61.09	285.76	64.31	294.34	66.24	300.05	67.53	311.48	71.38
	15.00	185.75	48.77	214.32	53.97	242.90	61.77	285.76	65.02	294.34	66.98	300.05	68.28	311.48	72.18
	20.00	191.21	48.23	220.63	53.38	250.04	61.09	294.17	64.31	302.99	66.24	308.88	67.53	320.64	71.38
	25.00	185.75	49.30	214.32	54.56	242.90	62.45	285.76	65.74	294.34	67.71	300.05	69.03	311.48	72.97
	30.00	187.57	50.91	216.42	56.34	245.28	64.49	288.56	67.88	297.22	69.92	302.99	71.28	314.54	75.35
	35.00	182.10	53.59	210.12	59.31	238.14	67.88	280.16	71.46	288.56	73.60	294.17	75.03	305.37	79.32
	39.00	174.82	55.20	201.72	63.46	228.61	72.64	268.95	75.03	277.02	77.28	282.40	78.78	293.16	83.28
	41.00	171.18	55.74	197.51	65.24	223.85	74.67	263.35	76.46	271.25	78.75	276.52	80.28	287.05	84.87
	43.00	167.54	56.27	193.31	68.20	219.09	78.07	257.75	77.89	265.48	80.22	270.63	81.78	280.94	86.45
46.00	145.68	61.63	168.10	73.54	190.51	84.18	224.13	88.61	230.85	91.26	235.33	93.04	244.30	98.35	
50.00	118.37	64.31	136.58	74.14	154.79	84.85	182.10	92.18	187.57	94.94	191.21	96.79	198.49	102.32	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT096S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-5.00	182.10	47.52	210.12	52.59	238.14	60.19	280.16	63.36	288.56	65.26	294.17	66.53	305.37	70.33		
	0.00	182.10	47.52	210.12	52.59	238.14	60.19	280.16	63.36	288.56	65.26	294.17	66.53	305.37	70.33		
	5.00	182.10	47.52	210.12	52.59	238.14	60.19	280.16	63.36	288.56	65.26	294.17	66.53	305.37	70.33		
	10.00	180.34	47.52	208.08	52.59	235.82	60.19	277.44	63.36	285.76	65.26	291.31	66.53	302.41	70.33		
	15.00	180.34	48.05	208.08	53.17	235.82	60.86	277.44	64.06	285.76	65.99	291.31	67.27	302.41	71.11		
	20.00	185.64	47.52	214.20	52.59	242.76	60.19	285.60	63.36	294.17	65.26	299.88	66.53	311.30	70.33		
	25.00	180.34	48.58	208.08	53.76	235.82	61.53	277.44	64.77	285.76	66.71	291.31	68.01	302.41	71.89		
	30.00	182.10	50.16	210.12	55.51	238.14	63.54	280.16	66.88	288.56	68.89	294.17	70.22	305.37	74.24		
	35.00	176.80	52.80	204.00	58.43	231.20	66.88	272.00	70.40	280.16	72.51	285.60	73.92	296.48	78.14		
	39.00	169.73	54.38	195.84	62.52	221.95	71.56	261.12	73.92	268.95	76.14	274.18	77.62	284.62	82.05		
	41.00	166.19	54.91	191.76	64.28	217.33	73.57	255.68	75.33	263.35	77.59	268.46	79.09	278.69	83.61		
	43.00	162.66	55.44	187.68	67.20	212.70	76.91	250.24	76.74	257.75	79.04	262.75	80.57	272.76	85.18		
	46.00	141.44	60.72	163.20	72.46	184.96	82.93	217.60	87.30	224.13	89.91	228.48	91.66	237.18	96.90		
50.00	114.92	63.36	132.60	73.04	150.28	83.60	176.80	90.82	182.10	93.54	185.64	95.36	192.71	100.81			
90%	-5.00	163.89	39.44	189.11	43.65	214.32	49.96	252.14	52.59	259.71	54.17	264.75	55.22	274.84	58.37		
	0.00	163.89	39.44	189.11	43.65	214.32	49.96	252.14	52.59	259.71	54.17	264.75	55.22	274.84	58.37		
	5.00	163.89	39.44	189.11	43.65	214.32	49.96	252.14	52.59	259.71	54.17	264.75	55.22	274.84	58.37		
	10.00	162.30	39.44	187.27	43.65	212.24	49.96	249.70	52.59	257.19	54.17	262.18	55.22	272.17	58.37		
	15.00	162.30	39.88	187.27	44.13	212.24	50.51	249.70	53.17	257.19	54.77	262.18	55.83	272.17	59.02		
	20.00	167.08	39.44	192.78	43.65	218.48	49.96	257.04	52.59	264.75	54.17	269.89	55.22	280.17	58.37		
	25.00	162.30	40.32	187.27	44.62	212.24	51.07	249.70	53.76	257.19	55.37	262.18	56.45	272.17	59.67		
	30.00	163.89	41.63	189.11	46.07	214.32	52.73	252.14	55.51	259.71	57.18	264.75	58.29	274.84	61.62		
	35.00	159.12	43.82	183.60	48.50	208.08	55.51	244.80	58.43	252.14	60.18	257.04	61.35	266.83	64.86		
	39.00	152.76	45.14	176.26	51.89	199.76	59.40	235.01	61.35	242.06	63.19	246.76	64.42	256.16	68.10		
	41.00	149.57	45.58	172.58	53.35	195.60	61.06	230.11	62.52	237.02	64.40	241.62	65.65	250.82	69.40		
	43.00	146.39	46.02	168.91	55.77	191.43	63.84	225.22	63.69	231.97	65.60	236.48	66.88	245.49	70.70		
	46.00	136.14	48.58	157.09	57.96	178.03	66.34	209.45	69.84	215.73	71.93	219.92	73.33	228.30	77.52		
50.00	128.82	52.59	148.64	60.62	168.46	69.39	198.19	75.38	204.14	77.64	208.10	79.15	216.03	83.67			
80%	-5.00	145.68	33.74	168.10	37.34	190.51	42.74	224.13	44.99	230.85	46.34	235.33	47.23	244.30	49.93		
	0.00	145.68	33.74	168.10	37.34	190.51	42.74	224.13	44.99	230.85	46.34	235.33	47.23	244.30	49.93		
	5.00	145.68	33.74	168.10	37.34	190.51	42.74	224.13	44.99	230.85	46.34	235.33	47.23	244.30	49.93		
	10.00	144.27	33.74	166.46	37.34	188.66	42.74	221.95	44.99	228.61	46.34	233.05	47.23	241.93	49.93		
	15.00	144.27	34.11	166.46	37.75	188.66	43.21	221.95	45.49	228.61	46.85	233.05	47.76	241.93	50.49		
	20.00	148.51	33.74	171.36	37.34	194.21	42.74	228.48	44.99	235.33	46.34	239.90	47.23	249.04	49.93		
	25.00	144.27	34.49	166.46	38.17	188.66	43.69	221.95	45.99	228.61	47.36	233.05	48.28	241.93	51.04		
	30.00	149.33	35.61	172.30	39.41	195.27	45.11	229.73	47.48	236.62	48.91	241.22	49.86	250.41	52.71		
	35.00	144.98	37.49	167.28	41.49	189.58	47.48	223.04	49.98	229.73	51.48	234.19	52.48	243.11	55.48		
	39.00	139.18	38.61	160.59	44.39	182.00	50.81	214.12	52.48	220.54	54.06	224.82	55.11	233.39	58.26		
	41.00	136.28	38.99	157.24	45.64	178.21	52.23	209.66	53.48	215.95	55.09	220.14	56.16	228.53	59.37		
	43.00	133.38	39.36	153.90	47.71	174.42	54.61	205.20	54.48	211.35	56.12	215.46	57.21	223.66	60.48		
	46.00	125.88	43.11	145.25	51.44	164.61	58.88	193.66	61.98	199.47	63.84	203.35	65.08	211.09	68.80		
50.00	106.88	44.99	123.32	51.86	139.76	59.36	164.42	64.48	169.36	66.41	172.65	67.70	179.22	71.57			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT096S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-5.00	131.11	28.51	151.29	31.55	171.46	36.12	201.72	38.02	207.77	39.16	211.80	39.92	219.87	42.20		
	0.00	131.11	28.51	151.29	31.55	171.46	36.12	201.72	38.02	207.77	39.16	211.80	39.92	219.87	42.20		
	5.00	131.11	28.51	151.29	31.55	171.46	36.12	201.72	38.02	207.77	39.16	211.80	39.92	219.87	42.20		
	10.00	129.84	28.51	149.82	31.55	169.79	36.12	199.76	38.02	205.75	39.16	209.74	39.92	217.73	42.20		
	15.00	129.84	28.83	149.82	31.90	169.79	36.52	199.76	38.44	205.75	39.59	209.74	40.36	217.73	42.67		
	20.00	133.66	28.51	154.22	31.55	174.79	36.12	205.63	38.02	211.80	39.16	215.91	39.92	224.14	42.20		
	25.00	129.84	29.15	149.82	32.25	169.79	36.92	199.76	38.86	205.75	40.03	209.74	40.80	217.73	43.14		
	30.00	131.11	30.10	151.29	33.31	171.46	38.12	201.72	40.13	207.77	41.33	211.80	42.13	219.87	44.54		
	35.00	127.30	31.68	146.88	35.06	166.46	40.13	195.84	42.24	201.72	43.51	205.63	44.35	213.47	46.89		
	39.00	122.20	32.63	141.00	37.51	159.81	42.94	188.01	44.35	193.65	45.68	197.41	46.57	204.93	49.23		
	41.00	119.66	32.95	138.07	38.57	156.48	44.14	184.09	45.20	189.61	46.55	193.29	47.46	200.66	50.17		
	43.00	117.11	33.26	135.13	40.32	153.15	46.15	180.17	46.04	185.58	47.42	189.18	48.34	196.39	51.11		
46.00	110.32	34.61	127.30	41.30	144.27	47.27	169.73	49.76	174.82	51.25	178.21	52.25	185.00	55.23			
50.00	89.64	36.12	103.43	41.63	117.22	47.65	137.90	51.77	142.04	53.32	144.80	54.35	150.32	57.46			
60%	-5.00	112.90	23.28	130.27	25.77	147.64	29.49	173.70	31.05	178.91	31.98	182.38	32.60	189.33	34.46		
	0.00	112.90	23.28	130.27	25.77	147.64	29.49	173.70	31.05	178.91	31.98	182.38	32.60	189.33	34.46		
	5.00	112.90	23.28	130.27	25.77	147.64	29.49	173.70	31.05	178.91	31.98	182.38	32.60	189.33	34.46		
	10.00	111.81	23.28	129.01	25.77	146.21	29.49	172.01	31.05	177.17	31.98	180.61	32.60	187.49	34.46		
	15.00	111.81	23.54	129.01	26.05	146.21	29.82	172.01	31.39	177.17	32.33	180.61	32.96	187.49	34.84		
	20.00	115.10	23.28	132.80	25.77	150.51	29.49	177.07	31.05	182.38	31.98	185.93	32.60	193.01	34.46		
	25.00	111.81	23.80	129.01	26.34	146.21	30.15	172.01	31.74	177.17	32.69	180.61	33.32	187.49	35.23		
	30.00	112.90	24.58	130.27	27.20	147.64	31.13	173.70	32.77	178.91	33.75	182.38	34.41	189.33	36.38		
	35.00	109.62	25.87	126.48	28.63	143.34	32.77	168.64	34.50	173.70	35.53	177.07	36.22	183.82	38.29		
	39.00	105.23	26.65	121.42	30.64	137.61	35.07	161.89	36.22	166.75	37.31	169.99	38.03	176.46	40.21		
	41.00	103.04	26.91	118.89	31.49	134.74	36.05	158.52	36.91	163.28	38.02	166.45	38.76	172.79	40.97		
	43.00	100.85	27.17	116.36	32.93	131.88	37.69	155.15	37.60	159.80	38.73	162.91	39.48	169.11	41.74		
46.00	97.59	29.75	112.61	35.50	127.62	40.64	150.14	42.78	154.65	44.06	157.65	44.91	163.66	47.48			
50.00	79.29	31.05	91.49	35.79	103.69	40.96	121.99	44.50	125.65	45.83	128.09	46.72	132.97	49.39			
50%	-5.00	91.05	19.01	105.06	21.04	119.07	24.08	140.08	25.34	144.28	26.10	147.08	26.61	152.69	28.13		
	0.00	91.05	19.01	105.06	21.04	119.07	24.08	140.08	25.34	144.28	26.10	147.08	26.61	152.69	28.13		
	5.00	91.05	19.01	105.06	21.04	119.07	24.08	140.08	25.34	144.28	26.10	147.08	26.61	152.69	28.13		
	10.00	90.17	19.01	104.04	21.04	117.91	24.08	138.72	25.34	142.88	26.10	145.66	26.61	151.20	28.13		
	15.00	90.17	19.22	104.04	21.27	117.91	24.34	138.72	25.63	142.88	26.39	145.66	26.91	151.20	28.44		
	20.00	92.82	19.01	107.10	21.04	121.38	24.08	142.80	25.34	147.08	26.10	149.94	26.61	155.65	28.13		
	25.00	90.17	19.43	104.04	21.50	117.91	24.61	138.72	25.91	142.88	26.68	145.66	27.20	151.20	28.76		
	30.00	91.05	20.06	105.06	22.20	119.07	25.41	140.08	26.75	144.28	27.55	147.08	28.09	152.69	29.69		
	35.00	88.40	21.12	102.00	23.37	115.60	26.75	136.00	28.16	140.08	29.00	142.80	29.57	148.24	31.26		
	39.00	84.86	21.75	97.92	25.01	110.98	28.62	130.56	29.57	134.48	30.46	137.09	31.05	142.31	32.82		
	41.00	83.10	21.96	95.88	25.71	108.66	29.43	127.84	30.13	131.68	31.04	134.23	31.64	139.35	33.45		
	43.00	81.33	22.18	93.84	26.88	106.35	30.76	125.12	30.69	128.87	31.62	131.38	32.23	136.38	34.07		
46.00	77.26	23.07	89.15	27.53	101.03	31.51	118.86	33.17	122.43	34.17	124.81	34.83	129.56	36.82			
50.00	74.82	24.08	86.33	27.76	97.84	31.77	115.11	34.51	118.56	35.55	120.87	36.24	125.47	38.31			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT098S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-5.00	198.79	48.95	229.37	54.55	259.96	62.44	305.83	65.73	315.01	67.70	321.12	69.02	333.36	72.96		
	0.00	198.79	48.95	229.37	54.55	259.96	62.44	305.83	65.73	315.01	67.70	321.12	69.02	333.36	72.96		
	5.00	198.79	48.95	229.37	54.55	259.96	62.44	305.83	65.73	315.01	67.70	321.12	69.02	333.36	72.96		
	10.00	196.86	48.95	227.15	54.55	257.43	62.44	302.86	65.73	311.95	67.70	318.01	69.02	330.12	72.96		
	15.00	196.86	49.50	227.15	55.16	257.43	63.14	302.86	66.46	311.95	68.45	318.01	69.78	330.12	73.77		
	20.00	202.65	48.95	233.83	54.55	265.01	17.72	311.77	17.72	321.12	17.72	327.36	17.72	339.83	72.96		
	25.00	196.86	50.04	227.15	55.77	257.43	63.83	302.86	67.19	311.95	69.21	318.01	70.55	330.12	74.58		
	30.00	198.79	51.67	229.37	57.59	259.96	65.91	305.83	69.38	315.01	71.46	321.12	72.85	333.36	77.01		
	35.00	193.00	54.39	222.69	60.62	252.39	69.38	296.92	73.03	305.83	75.22	311.77	76.68	323.65	81.07		
	39.00	185.28	56.02	213.79	64.86	242.29	74.24	285.05	76.68	293.60	78.98	299.30	80.52	310.70	85.12		
	41.00	181.42	57.12	209.33	67.33	237.24	77.07	279.11	78.91	287.48	81.28	293.06	82.86	304.23	87.59		
	43.00	177.56	57.67	204.88	70.39	232.20	80.57	273.17	80.39	281.37	82.80	286.83	84.40	297.76	89.23		
46.00	154.40	63.16	178.15	75.90	201.91	86.88	237.54	91.45	244.67	94.19	249.42	96.02	258.92	101.51			
50.00	125.45	65.91	144.75	76.51	164.05	87.58	193.00	95.13	198.79	97.99	202.65	99.89	210.37	105.60			
120%	-5.00	195.08	48.95	225.09	54.55	255.10	62.44	300.12	65.73	309.12	67.70	315.12	69.02	327.13	72.96		
	0.00	195.08	48.95	225.09	54.55	255.10	62.44	300.12	65.73	309.12	67.70	315.12	69.02	327.13	72.96		
	5.00	195.08	48.95	225.09	54.55	255.10	62.44	300.12	65.73	309.12	67.70	315.12	69.02	327.13	72.96		
	10.00	193.18	48.95	222.90	54.55	252.62	62.44	297.20	65.73	306.12	67.70	312.06	69.02	323.95	72.96		
	15.00	193.18	49.50	222.90	55.16	252.62	63.14	297.20	66.46	306.12	68.45	312.06	69.78	323.95	73.77		
	20.00	198.86	48.95	229.46	54.55	260.05	62.44	305.94	65.73	315.12	67.70	321.24	69.02	333.48	72.96		
	25.00	193.18	50.04	222.90	55.77	252.62	63.83	297.20	67.19	306.12	69.21	312.06	70.55	323.95	74.58		
	30.00	195.08	51.67	225.09	57.59	255.10	65.91	300.12	69.38	309.12	71.46	315.12	72.85	327.13	77.01		
	35.00	189.39	54.39	218.53	60.62	247.67	69.38	291.37	73.03	300.12	75.22	305.94	76.68	317.60	81.07		
	39.00	181.82	55.75	209.79	64.55	237.76	73.88	279.72	76.32	288.11	16.08	293.71	27.34	304.89	84.71		
	41.00	178.03	56.29	205.42	66.36	232.81	75.95	273.89	77.77	282.11	80.10	287.59	81.66	298.54	86.32		
	43.00	174.24	56.84	201.05	69.37	227.86	79.40	268.06	79.22	276.11	81.60	281.47	83.18	292.19	87.94		
46.00	151.51	62.25	174.82	74.80	198.13	85.62	233.10	90.12	240.09	92.83	244.75	94.63	254.08	100.04			
50.00	123.11	64.96	142.05	75.41	160.98	86.31	189.39	93.76	195.08	96.57	198.86	98.45	206.44	104.07			
110%	-5.00	191.36	48.71	220.80	54.29	250.24	62.14	294.40	65.41	303.23	67.37	309.12	68.68	320.90	72.60		
	0.00	191.36	48.71	220.80	54.29	250.24	62.14	294.40	65.41	303.23	67.37	309.12	68.68	320.90	72.60		
	5.00	191.36	48.71	220.80	54.29	250.24	62.14	294.40	65.41	303.23	67.37	309.12	68.68	320.90	72.60		
	10.00	189.50	48.71	218.66	54.29	247.81	62.14	291.54	65.41	300.29	67.37	306.12	68.68	317.78	72.60		
	15.00	189.50	49.25	218.66	54.89	247.81	62.83	291.54	66.13	300.29	68.12	306.12	69.44	317.78	73.41		
	20.00	195.08	48.71	225.09	54.29	255.10	62.14	300.12	65.41	309.12	67.37	315.12	68.68	327.13	72.60		
	25.00	189.50	49.79	218.66	55.49	247.81	63.52	291.54	66.86	300.29	68.87	306.12	70.20	317.78	74.21		
	30.00	191.36	51.42	220.80	57.30	250.24	65.59	294.40	69.04	303.23	71.11	309.12	72.49	320.90	76.63		
	35.00	185.79	54.12	214.37	60.32	242.95	69.04	285.82	72.67	294.40	74.85	300.12	76.31	311.55	80.67		
	39.00	178.35	55.75	205.79	64.54	233.23	73.87	274.39	76.31	282.62	78.60	288.11	80.12	299.09	84.70		
	41.00	174.64	56.29	201.51	66.35	228.37	75.94	268.68	77.76	276.74	80.09	282.11	81.65	292.86	86.31		
	43.00	170.92	56.83	197.22	69.37	223.52	79.40	262.96	79.21	270.85	81.59	276.11	83.18	286.63	87.93		
46.00	148.63	62.24	171.49	74.80	194.36	85.61	228.66	90.12	235.52	92.82	240.09	94.62	249.24	100.03			
50.00	120.76	64.95	139.34	75.40	157.92	86.30	185.79	93.75	191.36	96.56	195.08	98.44	202.51	104.06			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT098S73HQSS														Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	185.79	47.99	214.37	53.49	242.95	61.22	285.82	64.44	294.40	66.37	300.12	67.66	311.55	71.53		
	0.00	185.79	47.99	214.37	53.49	242.95	61.22	285.82	64.44	294.40	66.37	300.12	67.66	311.55	71.53		
	5.00	185.79	47.99	214.37	53.49	242.95	61.22	285.82	64.44	294.40	66.37	300.12	67.66	311.55	71.53		
	10.00	183.98	47.99	212.29	53.49	240.59	61.22	283.05	64.44	291.54	66.37	297.20	67.66	308.52	71.53		
	15.00	183.98	48.52	212.29	54.08	240.59	61.90	283.05	65.16	291.54	67.11	297.20	68.41	308.52	72.32		
	20.00	189.39	47.99	218.53	53.49	247.67	61.22	291.37	64.44	300.12	66.37	305.94	67.66	317.60	71.53		
	25.00	183.98	49.06	212.29	54.67	240.59	62.58	283.05	65.87	291.54	67.85	297.20	69.17	308.52	73.12		
	30.00	185.79	50.66	214.37	56.46	242.95	64.62	285.82	68.02	294.40	70.06	300.12	71.42	311.55	75.50		
	35.00	180.37	53.32	208.12	59.43	235.87	68.02	277.50	71.60	285.82	73.75	291.37	75.18	302.47	79.48		
	39.00	173.16	54.92	199.80	63.59	226.44	72.78	266.40	75.18	274.39	77.44	279.72	78.94	290.38	83.45		
	41.00	169.55	55.46	195.64	65.37	221.72	74.82	260.85	76.61	268.68	78.91	273.89	80.44	284.33	85.04		
	43.00	165.94	55.99	191.47	68.34	217.00	78.22	255.30	78.04	262.96	80.39	268.06	81.95	278.28	86.63		
	46.00	144.30	61.32	166.50	73.69	188.70	84.34	222.00	88.78	228.66	91.45	233.10	93.22	241.98	98.55		
50.00	117.24	63.99	135.28	74.29	153.32	85.03	180.37	92.36	185.79	95.13	189.39	96.98	196.61	102.52			
90%	-5.00	167.21	39.83	192.93	44.39	218.66	50.81	257.24	52.17	264.96	55.09	270.10	56.16	280.39	59.37		
	0.00	167.21	39.83	192.93	44.39	218.66	50.81	257.24	53.49	264.96	55.09	270.10	56.16	280.39	59.37		
	5.00	167.21	39.83	192.93	44.39	218.66	50.81	257.24	53.49	264.96	55.09	270.10	56.16	280.39	59.37		
	10.00	165.58	39.83	191.06	44.39	216.53	50.81	254.74	53.49	262.39	55.09	267.48	56.16	277.67	59.37		
	15.00	165.58	40.28	191.06	44.89	216.53	51.38	254.74	54.08	262.39	55.70	267.48	56.78	277.67	60.03		
	20.00	170.45	39.83	196.68	44.39	222.90	50.81	262.24	53.49	270.10	55.09	275.35	56.16	285.84	59.37		
	25.00	165.58	40.72	191.06	45.38	216.53	51.94	254.74	54.67	262.39	56.31	267.48	57.41	277.67	60.69		
	30.00	167.21	42.05	192.93	46.86	218.66	53.63	257.24	56.46	264.96	58.15	270.10	59.28	280.39	62.67		
	35.00	162.34	44.26	187.31	49.33	212.29	56.46	249.75	59.43	257.24	61.21	262.24	62.40	272.23	65.97		
	39.00	155.84	45.59	179.82	52.78	203.80	60.41	239.76	62.40	246.95	64.27	251.75	65.52	261.34	69.26		
	41.00	152.60	46.03	176.07	54.26	199.55	62.10	234.76	63.59	241.81	65.50	246.50	66.77	255.89	70.58		
	43.00	149.35	46.47	172.33	56.72	195.30	64.93	229.77	64.78	236.66	66.72	241.26	68.02	250.45	71.90		
	46.00	138.90	49.06	160.26	58.95	181.63	67.48	213.69	71.03	220.10	73.16	224.37	74.58	232.92	78.84		
50.00	131.43	53.11	151.65	61.66	171.87	70.57	202.20	76.66	208.26	78.96	212.31	80.50	220.40	85.09			
80%	-5.00	148.63	34.07	171.49	37.97	194.36	43.46	228.66	45.75	235.52	47.12	240.09	48.04	249.24	50.79		
	0.00	148.63	34.07	171.49	37.97	194.36	43.46	228.66	45.75	235.52	47.12	240.09	48.04	249.24	50.79		
	5.00	148.63	34.07	171.49	37.97	194.36	43.46	228.66	45.75	235.52	47.12	240.09	48.04	249.24	50.79		
	10.00	147.19	34.07	169.83	37.97	192.47	43.46	226.44	45.75	233.23	47.12	237.76	48.04	246.82	50.79		
	15.00	147.19	34.45	169.83	38.40	192.47	43.95	226.44	46.26	233.23	47.65	237.76	48.57	246.82	51.35		
	20.00	151.51	34.07	174.82	37.97	198.13	43.46	233.10	45.75	240.09	47.12	244.75	48.04	254.08	50.79		
	25.00	147.19	34.83	169.83	38.82	192.47	44.43	226.44	46.77	233.23	48.17	237.76	49.11	246.82	51.91		
	30.00	152.34	35.97	175.78	40.08	199.22	45.88	234.38	48.29	241.41	49.74	246.10	50.71	255.47	53.61		
	35.00	147.91	37.86	170.66	42.19	193.42	48.29	227.55	50.84	234.38	52.36	238.93	53.38	248.03	56.43		
	39.00	141.99	39.00	163.84	45.15	185.68	51.67	218.45	53.38	225.00	54.98	229.37	56.05	238.11	59.25		
	41.00	139.03	39.37	160.42	46.41	181.81	53.12	213.90	54.39	220.31	56.03	224.59	57.11	233.15	60.38		
	43.00	136.07	39.75	157.01	48.52	177.94	55.54	209.35	55.41	215.63	57.07	219.81	58.18	228.19	61.51		
	46.00	128.43	43.54	148.18	52.32	167.94	59.88	197.58	63.04	203.51	64.93	207.46	66.19	215.36	69.97		
50.00	109.04	45.43	125.81	52.74	142.59	60.37	167.75	65.58	172.78	67.55	176.14	68.86	182.85	72.79			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT098S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-5.00	133.77	28.79	154.35	32.09	174.92	36.73	205.79	38.66	211.97	39.82	216.08	40.60	224.32	42.92		
	0.00	133.77	28.79	154.35	32.09	174.92	36.73	205.79	38.66	211.97	39.82	216.08	40.60	224.32	42.92		
	5.00	133.77	28.79	154.35	32.09	174.92	36.73	205.79	38.66	211.97	39.82	216.08	40.60	224.32	42.92		
	10.00	132.47	28.79	152.85	32.09	173.23	36.73	203.80	38.66	209.91	39.82	213.99	40.60	222.14	42.92		
	15.00	132.47	29.11	152.85	32.45	173.23	37.14	203.80	39.09	209.91	40.27	213.99	41.05	222.14	43.39		
	20.00	136.36	28.79	157.34	32.09	178.32	36.73	209.79	38.66	216.08	39.82	220.28	40.60	228.67	42.92		
	25.00	132.47	29.43	152.85	32.80	173.23	37.55	203.80	39.52	209.91	40.71	213.99	41.50	222.14	43.87		
	30.00	133.77	30.39	154.35	33.87	174.92	38.77	205.79	40.81	211.97	42.04	216.08	42.85	224.32	45.30		
	35.00	129.87	31.99	149.85	35.66	169.83	40.81	199.80	42.96	205.79	44.25	209.79	45.11	217.78	47.69		
	39.00	124.68	32.95	143.86	38.15	163.04	43.67	191.81	45.11	197.56	46.46	201.40	47.36	209.07	50.07		
	41.00	122.08	33.27	140.86	39.22	159.64	44.89	187.81	45.97	193.45	47.35	197.20	48.27	204.72	51.02		
	43.00	119.48	33.59	137.86	41.01	156.24	46.93	183.82	46.83	189.33	48.23	193.01	49.17	200.36	51.98		
46.00	112.55	34.95	129.87	42.00	147.19	48.08	173.16	50.61	178.35	52.13	181.82	53.14	188.74	56.17			
50.00	91.45	36.47	105.52	42.34	119.59	48.46	140.69	52.65	144.91	54.23	147.73	55.28	153.35	58.44			
60%	-5.00	115.19	23.52	132.91	26.21	150.63	30.00	177.21	31.58	182.53	32.52	186.07	33.15	193.16	35.05		
	0.00	115.19	23.52	132.91	26.21	150.63	30.00	177.21	31.58	182.53	32.52	186.07	33.15	193.16	35.05		
	5.00	115.19	23.52	132.91	26.21	150.63	30.00	177.21	31.58	182.53	32.52	186.07	33.15	193.16	35.05		
	10.00	114.07	23.52	131.62	26.21	149.17	30.00	175.49	31.58	180.76	32.52	184.27	33.15	191.29	35.05		
	15.00	114.07	23.78	131.62	26.50	149.17	30.33	175.49	31.93	180.76	32.88	184.27	33.52	191.29	35.44		
	20.00	117.42	23.52	135.49	26.21	153.55	30.00	180.65	31.58	186.07	32.52	189.69	33.15	196.91	35.05		
	25.00	114.07	24.04	131.62	26.79	149.17	30.66	175.49	32.28	180.76	33.25	184.27	33.89	191.29	35.83		
	30.00	115.19	24.82	132.91	27.66	150.63	31.66	177.21	33.33	182.53	34.33	186.07	35.00	193.16	37.00		
	35.00	111.83	26.13	129.04	29.12	146.24	33.33	172.05	35.08	177.21	36.14	180.65	36.84	187.53	38.94		
	39.00	107.36	26.91	123.88	31.16	140.39	35.66	165.17	36.84	170.12	37.94	173.43	38.68	180.03	40.89		
	41.00	105.12	27.17	121.30	32.03	137.47	36.66	161.73	37.54	166.58	38.67	169.81	39.42	176.28	41.67		
	43.00	102.89	27.44	118.71	33.49	134.54	38.33	158.29	38.24	163.03	39.39	166.20	40.15	172.53	42.45		
46.00	99.57	30.05	114.88	36.11	130.20	41.33	153.18	43.50	157.78	44.81	160.84	45.68	166.97	48.29			
50.00	80.90	31.35	93.34	36.40	105.79	41.66	124.46	45.26	128.19	46.62	130.68	47.52	135.66	50.24			
50%	-5.00	92.89	19.20	107.18	21.39	121.48	24.49	142.91	25.78	147.20	26.55	150.06	27.06	155.77	28.61		
	0.00	92.89	19.20	107.18	21.39	121.48	24.49	142.91	25.78	147.20	26.55	150.06	27.06	155.77	28.61		
	5.00	92.89	19.20	107.18	21.39	121.48	24.49	142.91	25.78	147.20	26.55	150.06	27.06	155.77	28.61		
	10.00	91.99	19.20	106.14	21.39	120.30	24.49	141.52	25.78	145.77	26.55	148.60	27.06	154.26	28.61		
	15.00	91.99	19.41	106.14	21.63	120.30	24.76	141.52	26.06	145.77	26.84	148.60	27.37	154.26	28.93		
	20.00	94.70	19.20	109.27	21.39	123.83	24.49	145.69	25.78	150.06	26.55	152.97	27.06	158.80	28.61		
	25.00	91.99	19.62	106.14	21.87	120.30	25.03	141.52	26.35	145.77	27.14	148.60	27.67	154.26	29.25		
	30.00	92.89	20.26	107.18	22.58	121.48	25.85	142.91	27.21	147.20	28.02	150.06	28.57	155.77	30.20		
	35.00	90.19	21.33	104.06	23.77	117.94	27.21	138.75	28.64	142.91	29.50	145.69	30.07	151.24	31.79		
	39.00	86.58	21.97	99.90	25.44	113.22	29.11	133.20	30.07	137.20	30.97	139.86	31.58	145.19	33.38		
	41.00	84.78	22.18	97.82	26.15	110.86	29.93	130.42	30.64	134.34	31.56	136.95	32.18	142.16	34.02		
	43.00	82.97	22.40	95.74	27.34	108.50	31.29	127.65	31.22	131.48	32.15	134.03	32.78	139.14	34.65		
46.00	78.82	23.30	90.95	28.00	103.08	32.05	121.27	33.74	124.91	34.75	127.33	35.42	132.18	37.45			
50.00	76.33	24.32	88.08	28.23	99.82	32.31	117.44	35.10	120.96	36.15	123.31	36.85	128.01	38.96			

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



		38VT100S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	202.73	49.43	233.92	55.47	265.11	63.49	311.89	66.83	321.25	68.84	327.49	70.17	339.96	74.18
	0.00	202.73	49.43	233.92	55.47	265.11	63.49	311.89	66.83	321.25	68.84	327.49	70.17	339.96	74.18
	5.00	202.73	49.43	233.92	55.47	265.11	63.49	311.89	66.83	321.25	68.84	327.49	70.17	339.96	74.18
	10.00	200.76	49.43	231.65	55.47	262.54	63.49	308.87	66.83	318.13	68.84	324.31	70.17	336.66	74.18
	15.00	200.76	49.98	231.65	56.09	262.54	64.19	308.87	67.57	318.13	69.60	324.31	70.95	336.66	75.01
	20.00	206.67	49.43	238.46	55.47	270.26	17.72	317.95	17.72	327.49	17.72	333.85	17.72	346.57	74.18
	25.00	200.76	50.53	231.65	56.70	262.54	64.90	308.87	68.32	318.13	70.36	324.31	71.73	336.66	75.83
	30.00	202.73	52.18	233.92	58.55	265.11	67.02	311.89	70.54	321.25	72.66	327.49	74.07	339.96	78.30
	35.00	196.83	54.92	227.11	61.63	257.39	70.54	302.81	74.26	311.89	76.48	317.95	77.97	330.06	82.42
	39.00	188.95	56.57	218.02	65.95	247.09	75.48	290.70	77.97	299.42	80.31	305.23	81.87	316.86	86.55
	41.00	185.02	57.68	213.48	68.46	241.95	78.36	284.64	80.23	293.18	82.64	298.87	84.24	310.26	89.06
	43.00	181.08	58.24	208.94	71.57	236.80	81.92	278.59	81.73	286.94	84.18	292.51	85.82	303.66	90.72
	46.00	157.46	63.78	181.69	77.17	205.91	88.33	242.25	92.98	249.52	95.77	254.36	97.63	264.05	103.21
50.00	127.94	66.56	147.62	77.80	167.30	89.04	196.83	96.73	202.73	99.63	206.67	101.57	214.54	107.37	
120%	-5.00	198.94	49.43	229.55	55.47	260.15	63.49	306.06	66.83	315.25	68.84	321.37	70.17	333.61	74.18
	0.00	198.94	49.43	229.55	55.47	260.15	63.49	306.06	66.83	315.25	68.84	321.37	70.17	333.61	74.18
	5.00	198.94	49.43	229.55	55.47	260.15	63.49	306.06	66.83	315.25	68.84	321.37	70.17	333.61	74.18
	10.00	197.01	49.43	227.32	55.47	257.63	63.49	303.09	66.83	312.19	68.84	318.25	70.17	330.37	74.18
	15.00	197.01	49.98	227.32	56.09	257.63	64.19	303.09	67.57	312.19	69.60	318.25	70.95	330.37	75.01
	20.00	202.80	49.43	234.01	55.47	265.21	63.49	312.01	66.83	321.37	68.84	327.61	70.17	340.09	74.18
	25.00	197.01	50.53	227.32	56.70	257.63	64.90	303.09	68.32	312.19	70.36	318.25	71.73	330.37	75.83
	30.00	198.94	52.18	229.55	58.55	260.15	67.02	306.06	70.54	315.25	72.66	321.37	74.07	333.61	78.30
	35.00	193.15	54.92	222.86	61.63	252.58	70.54	297.15	74.26	306.06	76.48	312.01	77.97	323.89	82.42
	39.00	185.42	56.30	213.95	65.63	242.47	75.12	285.26	77.59	293.82	16.08	299.53	27.34	310.94	86.13
	41.00	181.56	56.85	209.49	67.47	237.42	77.22	279.32	79.07	287.70	81.44	293.29	83.03	304.46	87.77
	43.00	177.70	57.39	205.03	70.54	232.37	80.74	273.38	80.55	281.58	82.97	287.05	84.58	297.98	89.41
	46.00	154.52	62.86	178.29	76.06	202.06	87.05	237.72	91.64	244.85	94.38	249.61	96.22	259.11	101.72
50.00	125.55	65.59	144.86	76.67	164.18	87.76	193.15	95.33	198.94	98.19	202.80	100.10	210.53	105.82	
110%	-5.00	195.15	49.19	225.18	55.20	255.20	63.18	300.23	66.50	309.24	68.50	315.25	69.83	327.26	73.82
	0.00	195.15	49.19	225.18	55.20	255.20	63.18	300.23	66.50	309.24	68.50	315.25	69.83	327.26	73.82
	5.00	195.15	49.19	225.18	55.20	255.20	63.18	300.23	66.50	309.24	68.50	315.25	69.83	327.26	73.82
	10.00	193.26	49.19	222.99	55.20	252.72	63.18	297.32	66.50	306.24	68.50	312.19	69.83	324.08	73.82
	15.00	193.26	49.74	222.99	55.81	252.72	63.88	297.32	67.24	306.24	69.26	312.19	70.60	324.08	74.64
	20.00	198.94	49.19	229.55	55.20	260.15	63.18	306.06	66.50	315.25	68.50	321.37	69.83	333.61	73.82
	25.00	193.26	50.28	222.99	56.42	252.72	64.58	297.32	67.98	306.24	70.02	312.19	71.38	324.08	75.46
	30.00	195.15	51.92	225.18	58.26	255.20	66.69	300.23	70.20	309.24	72.30	315.25	73.71	327.26	77.92
	35.00	189.47	54.66	218.62	61.33	247.77	70.20	291.49	73.89	300.23	76.11	306.06	77.59	317.72	82.02
	39.00	181.89	56.30	209.87	65.62	237.86	75.11	279.83	77.59	288.23	79.91	293.82	81.47	305.02	86.12
	41.00	178.10	56.84	205.50	67.46	232.90	77.22	274.00	79.06	282.22	81.44	287.70	83.02	298.66	87.76
	43.00	174.31	57.39	201.13	70.53	227.95	80.73	268.17	80.54	276.22	82.96	281.58	84.57	292.31	89.40
	46.00	151.57	62.85	174.89	76.05	198.21	87.04	233.19	91.63	240.19	94.37	244.85	96.21	254.18	101.70
50.00	123.15	65.59	142.10	76.66	161.05	87.75	189.47	95.32	195.15	98.18	198.94	100.09	206.52	105.81	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT100S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)															
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
100%	-5.00	189.47	48.46	218.62	54.38	247.77	62.24	291.49	65.52	300.23	67.49	306.06	68.80	317.72	72.73		
	0.00	189.47	48.46	218.62	54.38	247.77	62.24	291.49	65.52	300.23	67.49	306.06	68.80	317.72	72.73		
	5.00	189.47	48.46	218.62	54.38	247.77	62.24	291.49	65.52	300.23	67.49	306.06	68.80	317.72	72.73		
	10.00	187.63	48.46	216.49	54.38	245.36	62.24	288.66	65.52	297.32	67.49	303.09	68.80	314.64	72.73		
	15.00	187.63	49.00	216.49	54.99	245.36	62.94	288.66	66.25	297.32	68.24	303.09	69.56	314.64	73.54		
	20.00	193.15	48.46	222.86	54.38	252.58	62.24	297.15	65.52	306.06	67.49	312.01	68.80	323.89	72.73		
	25.00	187.63	49.54	216.49	55.59	245.36	63.63	288.66	66.98	297.32	68.99	303.09	70.32	314.64	74.34		
	30.00	189.47	51.16	218.62	57.40	247.77	65.70	291.49	69.16	300.23	71.23	306.06	72.62	317.72	76.77		
	35.00	183.95	53.85	212.25	60.42	240.55	69.16	283.00	72.80	291.49	74.98	297.15	76.44	308.47	80.81		
	39.00	176.59	55.46	203.76	64.65	230.93	74.00	271.68	76.44	279.83	78.73	285.26	80.26	296.13	84.85		
	41.00	172.91	56.00	199.51	66.47	226.12	76.08	266.02	77.90	274.00	80.23	279.32	81.79	289.96	86.46		
	43.00	169.23	56.54	195.27	69.49	221.31	79.53	260.36	79.35	268.17	81.73	273.38	83.32	283.79	88.08		
	46.00	147.16	61.93	169.80	74.93	192.44	85.76	226.40	90.27	233.19	92.98	237.72	94.79	246.78	100.20		
50.00	119.57	64.62	137.96	75.53	156.36	86.45	183.95	93.91	189.47	96.73	193.15	98.61	200.51	104.24			
90%	-5.00	170.52	40.22	196.76	45.14	222.99	51.66	262.34	51.74	270.21	56.01	275.46	57.10	285.95	60.36		
	0.00	170.52	40.22	196.76	45.14	222.99	51.66	262.34	54.38	270.21	56.01	275.46	57.10	285.95	60.36		
	5.00	170.52	40.22	196.76	45.14	222.99	51.66	262.34	54.38	270.21	56.01	275.46	57.10	285.95	60.36		
	10.00	168.87	40.22	194.85	45.14	220.82	51.66	259.79	54.38	267.59	56.01	272.78	57.10	283.18	60.36		
	15.00	168.87	40.67	194.85	45.64	220.82	52.24	259.79	54.99	267.59	56.64	272.78	57.74	283.18	61.03		
	20.00	173.83	40.22	200.58	45.14	227.32	51.66	267.43	54.38	275.46	56.01	280.81	57.10	291.50	60.36		
	25.00	168.87	41.12	194.85	46.14	220.82	52.81	259.79	55.59	267.59	57.26	272.78	58.37	283.18	61.70		
	30.00	170.52	42.46	196.76	47.64	222.99	54.53	262.34	57.40	270.21	59.12	275.46	60.27	285.95	63.72		
	35.00	165.55	44.69	191.02	50.15	216.49	57.40	254.70	60.42	262.34	62.24	267.43	63.45	277.62	67.07		
	39.00	158.93	46.03	183.38	53.66	207.84	61.42	244.51	63.45	251.85	65.35	256.74	66.62	266.52	70.42		
	41.00	155.62	46.48	179.56	55.17	203.51	63.14	239.42	64.65	246.60	66.59	251.39	67.89	260.97	71.77		
	43.00	152.31	46.93	175.74	57.67	199.18	66.01	234.32	65.86	241.35	67.84	246.04	69.16	255.41	73.11		
	46.00	141.65	49.54	163.44	59.94	185.23	68.61	217.92	72.22	224.46	74.38	228.82	75.83	237.53	80.16		
50.00	134.03	53.63	154.65	62.69	175.27	71.75	206.21	77.95	212.39	80.29	216.52	81.84	224.76	86.52			
80%	-5.00	151.57	34.41	174.89	38.61	198.21	44.19	233.19	46.52	240.19	47.91	244.85	48.85	254.18	51.64		
	0.00	151.57	34.41	174.89	38.61	198.21	44.19	233.19	46.52	240.19	47.91	244.85	48.85	254.18	51.64		
	5.00	151.57	34.41	174.89	38.61	198.21	44.19	233.19	46.52	240.19	47.91	244.85	48.85	254.18	51.64		
	10.00	150.10	34.41	173.20	38.61	196.29	44.19	230.93	46.52	237.86	47.91	242.47	48.85	251.71	51.64		
	15.00	150.10	34.79	173.20	39.04	196.29	44.68	230.93	47.04	237.86	48.45	242.47	49.39	251.71	52.21		
	20.00	154.52	34.41	178.29	38.61	202.06	44.19	237.72	46.52	244.85	47.91	249.61	48.85	259.11	51.64		
	25.00	150.10	35.17	173.20	39.47	196.29	45.18	230.93	47.55	237.86	48.98	242.47	49.93	251.71	52.78		
	30.00	155.36	36.32	179.27	40.76	203.17	46.65	239.02	49.10	246.19	50.58	250.97	51.56	260.53	54.50		
	35.00	150.84	38.23	174.04	42.90	197.25	49.10	232.06	51.69	239.02	53.24	243.66	54.27	252.95	57.37		
	39.00	144.81	39.38	167.08	45.90	189.36	52.54	222.78	54.27	229.46	55.90	233.92	56.99	242.83	60.24		
	41.00	141.79	39.76	163.60	47.19	185.42	54.01	218.14	55.31	224.68	56.97	229.04	58.07	237.77	61.39		
	43.00	138.77	40.14	160.12	49.34	181.47	56.47	213.50	56.34	219.90	58.03	224.17	59.16	232.71	62.54		
	46.00	130.97	43.97	151.12	53.20	171.27	60.89	201.50	64.09	207.54	66.02	211.57	67.30	219.63	71.14		
50.00	111.20	45.88	128.31	53.63	145.41	61.38	171.07	66.68	176.21	68.68	179.63	70.01	186.47	74.01			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT100S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	136.42	29.08	157.40	32.63	178.39	37.35	209.87	39.31	216.17	40.49	220.37	41.28	228.76	43.64
	0.00	136.42	29.08	157.40	32.63	178.39	37.35	209.87	39.31	216.17	40.49	220.37	41.28	228.76	43.64
	5.00	136.42	29.08	157.40	32.63	178.39	37.35	209.87	39.31	216.17	40.49	220.37	41.28	228.76	43.64
	10.00	135.09	29.08	155.88	32.63	176.66	37.35	207.84	39.31	214.07	40.49	218.23	41.28	226.54	43.64
	15.00	135.09	29.40	155.88	32.99	176.66	37.76	207.84	39.75	214.07	40.94	218.23	41.74	226.54	44.12
	20.00	139.07	29.08	160.46	32.63	181.86	37.35	213.95	39.31	220.37	40.49	224.65	41.28	233.20	43.64
	25.00	135.09	29.72	155.88	33.35	176.66	38.18	207.84	40.19	214.07	41.39	218.23	42.19	226.54	44.61
	30.00	136.42	30.69	157.40	34.44	178.39	39.42	209.87	41.50	216.17	42.74	220.37	43.57	228.76	46.06
	35.00	132.44	32.31	152.82	36.25	173.20	41.50	203.76	43.68	209.87	44.99	213.95	45.86	222.10	48.48
	39.00	127.15	33.28	146.71	38.79	166.27	44.40	195.61	45.86	201.48	47.24	205.39	48.16	213.21	50.91
	41.00	124.50	33.60	143.65	39.88	162.80	45.65	191.53	46.74	197.28	48.14	201.11	49.07	208.77	51.88
	43.00	121.85	33.92	140.59	41.69	159.34	47.72	187.46	47.61	193.08	49.04	196.83	49.99	204.33	52.85
46.00	114.78	35.30	132.44	42.71	150.10	48.88	176.59	51.46	181.89	53.00	185.42	54.03	192.49	57.12	
50.00	93.26	36.83	107.61	43.05	121.96	49.28	143.48	53.53	147.79	55.14	150.66	56.21	156.39	59.42	
60%	-5.00	117.47	23.75	135.54	26.65	153.62	30.50	180.72	32.10	186.15	33.07	189.76	33.71	196.99	35.64
	0.00	117.47	23.75	135.54	26.65	153.62	30.50	180.72	32.10	186.15	33.07	189.76	33.71	196.99	35.64
	5.00	117.47	23.75	135.54	26.65	153.62	30.50	180.72	32.10	186.15	33.07	189.76	33.71	196.99	35.64
	10.00	116.33	23.75	134.23	26.65	152.12	30.50	178.97	32.10	184.34	33.07	187.92	33.71	195.08	35.64
	15.00	116.33	24.01	134.23	26.94	152.12	30.84	178.97	32.46	184.34	33.44	187.92	34.08	195.08	36.03
	20.00	119.75	23.75	138.17	26.65	156.60	30.50	184.23	32.10	189.76	33.07	193.44	33.71	200.81	35.64
	25.00	116.33	24.27	134.23	27.24	152.12	31.18	178.97	32.82	184.34	33.80	187.92	34.46	195.08	36.43
	30.00	117.47	25.07	135.54	28.13	153.62	32.19	180.72	33.89	186.15	34.91	189.76	35.58	196.99	37.62
	35.00	114.05	26.39	131.59	29.61	149.14	33.89	175.46	35.67	180.72	36.74	184.23	37.46	191.25	39.60
	39.00	109.49	27.18	126.33	31.68	143.18	36.26	168.44	37.46	173.49	38.58	176.86	39.33	183.60	41.58
	41.00	107.21	27.44	123.70	32.57	140.19	37.28	164.93	38.17	169.88	39.31	173.18	40.08	179.78	42.37
	43.00	104.93	27.70	121.07	34.05	137.21	38.97	161.42	38.88	166.27	40.05	169.49	40.83	175.95	43.16
46.00	101.54	30.34	117.16	36.71	132.78	42.02	156.22	44.23	160.90	45.56	164.03	46.44	170.28	49.10	
50.00	82.50	31.66	95.19	37.01	107.89	42.36	126.93	46.02	130.73	47.40	133.27	48.32	138.35	51.08	
50%	-5.00	94.73	19.39	109.31	21.75	123.88	24.90	145.74	26.21	150.12	26.99	153.03	27.52	158.86	29.09
	0.00	94.73	19.39	109.31	21.75	123.88	24.90	145.74	26.21	150.12	26.99	153.03	27.52	158.86	29.09
	5.00	94.73	19.39	109.31	21.75	123.88	24.90	145.74	26.21	150.12	26.99	153.03	27.52	158.86	29.09
	10.00	93.81	19.39	108.25	21.75	122.68	24.90	144.33	26.21	148.66	26.99	151.55	27.52	157.32	29.09
	15.00	93.81	19.60	108.25	21.99	122.68	25.17	144.33	26.50	148.66	27.29	151.55	27.82	157.32	29.41
	20.00	96.57	19.39	111.43	21.75	126.29	24.90	148.57	26.21	153.03	26.99	156.00	27.52	161.95	29.09
	25.00	93.81	19.82	108.25	22.24	122.68	25.45	144.33	26.79	148.66	27.59	151.55	28.13	157.32	29.74
	30.00	94.73	20.46	109.31	22.96	123.88	26.28	145.74	27.66	150.12	28.49	153.03	29.05	158.86	30.71
	35.00	91.97	21.54	106.12	24.17	120.27	27.66	141.50	29.12	145.74	29.99	148.57	30.58	154.23	32.32
	39.00	88.30	22.19	101.88	25.86	115.46	29.60	135.84	30.58	139.92	31.49	142.63	32.10	148.07	33.94
	41.00	86.46	22.40	99.76	26.59	113.06	30.43	133.01	31.16	137.00	32.09	139.66	32.72	144.98	34.59
	43.00	84.62	22.62	97.63	27.80	110.65	31.81	130.18	31.74	134.09	32.69	136.69	33.33	141.90	35.23
46.00	80.39	23.53	92.75	28.47	105.12	32.59	123.67	34.30	127.38	35.33	129.85	36.02	134.80	38.08	
50.00	77.85	24.55	89.82	28.70	101.80	32.85	119.77	35.69	123.36	36.76	125.75	37.47	130.54	39.61	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT102S73HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)													
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	206.67	49.91	238.47	56.38	270.26	64.54	317.96	67.93	327.49	69.97	333.85	71.33	346.57	75.40
	0.00	206.67	49.91	238.47	56.38	270.26	64.54	317.96	67.93	327.49	69.97	333.85	71.33	346.57	75.40
	5.00	206.67	49.91	238.47	56.38	270.26	64.54	317.96	67.93	327.49	69.97	333.85	71.33	346.57	75.40
	10.00	204.66	49.91	236.15	56.38	267.64	64.54	314.87	67.93	324.31	69.97	330.61	71.33	343.21	75.40
	15.00	204.66	50.47	236.15	57.01	267.64	65.25	314.87	68.69	324.31	70.75	330.61	72.12	343.21	76.24
	20.00	210.68	49.91	243.10	56.38	275.51	17.72	324.13	17.72	333.85	17.72	340.34	17.72	353.30	75.40
	25.00	204.66	51.02	236.15	57.64	267.64	65.97	314.87	69.44	324.31	71.52	330.61	72.91	343.21	77.08
	30.00	206.67	52.69	238.47	59.52	270.26	68.12	317.96	71.71	327.49	73.86	333.85	75.29	346.57	79.59
	35.00	200.65	55.46	231.52	62.65	262.39	71.71	308.69	75.48	317.96	77.74	324.13	79.25	336.48	83.78
	39.00	192.63	57.12	222.26	67.03	251.90	76.73	296.35	79.25	305.24	81.63	311.16	83.22	323.02	87.97
	41.00	188.61	58.24	217.63	69.59	246.65	79.65	290.17	81.56	298.88	84.00	304.68	85.63	316.29	90.53
	43.00	184.60	58.80	213.00	72.75	241.40	83.27	284.00	83.08	292.52	85.57	298.20	87.23	309.56	92.22
46.00	160.52	64.40	185.22	78.45	209.91	89.79	246.96	94.51	254.36	97.35	259.30	99.24	269.18	104.91	
50.00	130.42	67.20	150.49	79.08	170.55	90.51	200.65	98.32	206.67	101.27	210.68	103.24	218.71	109.14	
120%	-5.00	202.81	49.91	234.01	56.38	265.21	64.54	312.01	67.93	321.37	69.97	327.61	71.33	340.09	75.40
	0.00	202.81	49.91	234.01	56.38	265.21	64.54	312.01	67.93	321.37	69.97	327.61	71.33	340.09	75.40
	5.00	202.81	49.91	234.01	56.38	265.21	64.54	312.01	67.93	321.37	69.97	327.61	71.33	340.09	75.40
	10.00	200.84	49.91	231.74	56.38	262.64	64.54	308.98	67.93	318.25	69.97	324.43	71.33	336.79	75.40
	15.00	200.84	50.47	231.74	57.01	262.64	65.25	308.98	68.69	318.25	70.75	324.43	72.12	336.79	76.24
	20.00	206.75	49.91	238.55	56.38	270.36	64.54	318.07	67.93	327.61	69.97	333.97	71.33	346.70	75.40
	25.00	200.84	51.02	231.74	57.64	262.64	65.97	308.98	69.44	318.25	71.52	324.43	72.91	336.79	77.08
	30.00	202.81	52.69	234.01	59.52	265.21	68.12	312.01	71.71	321.37	73.86	327.61	75.29	340.09	79.59
	35.00	196.90	55.46	227.19	62.65	257.49	71.71	302.92	75.48	312.01	77.74	318.07	79.25	330.19	83.78
	39.00	189.03	56.85	218.11	66.71	247.19	76.36	290.81	78.87	299.53	16.08	305.35	27.34	316.98	87.55
	41.00	185.09	57.40	213.56	68.58	242.04	78.50	284.75	80.38	293.29	82.79	298.99	84.39	310.38	89.22
	43.00	181.15	57.95	209.02	71.70	236.89	82.07	278.69	81.88	287.05	84.33	292.63	85.97	303.77	90.88
46.00	157.52	63.47	181.75	77.31	205.99	88.49	242.34	93.15	249.61	95.94	254.46	97.80	264.15	103.39	
50.00	127.99	66.23	147.68	77.93	167.37	89.20	196.90	96.90	202.81	99.81	206.75	101.75	214.62	107.56	
110%	-5.00	198.95	49.67	229.55	56.11	260.16	64.22	306.07	67.60	315.25	69.63	321.37	70.98	333.62	75.03
	0.00	198.95	49.67	229.55	56.11	260.16	64.22	306.07	67.60	315.25	69.63	321.37	70.98	333.62	75.03
	5.00	198.95	49.67	229.55	56.11	260.16	64.22	306.07	67.60	315.25	69.63	321.37	70.98	333.62	75.03
	10.00	197.01	49.67	227.32	56.11	257.63	64.22	303.10	67.60	312.19	69.63	318.25	70.98	330.38	75.03
	15.00	197.01	50.22	227.32	56.73	257.63	64.93	303.10	68.35	312.19	70.40	318.25	71.77	330.38	75.87
	20.00	202.81	49.67	234.01	56.11	265.21	64.22	312.01	67.60	321.37	69.63	327.61	70.98	340.09	75.03
	25.00	197.01	50.77	227.32	57.35	257.63	65.65	303.10	69.10	312.19	71.17	318.25	72.56	330.38	76.70
	30.00	198.95	52.43	229.55	59.22	260.16	67.79	306.07	71.35	315.25	73.50	321.37	74.92	333.62	79.20
	35.00	193.15	55.19	222.87	62.34	252.58	71.35	297.15	75.11	306.07	77.36	312.01	78.87	323.90	83.37
	39.00	185.42	56.84	213.95	66.71	242.48	76.35	285.27	78.87	293.83	81.23	299.53	82.81	310.94	87.54
	41.00	181.56	57.40	209.49	68.58	237.43	78.49	279.33	80.37	287.71	82.78	293.29	84.39	304.47	89.21
	43.00	177.70	57.95	205.04	71.69	232.38	82.06	273.38	81.87	281.58	84.33	287.05	85.96	297.99	90.88
46.00	154.52	63.47	178.29	77.30	202.07	88.48	237.72	93.14	244.86	95.93	249.61	97.79	259.12	103.38	
50.00	125.55	66.23	144.86	77.93	164.18	89.19	193.15	96.89	198.95	99.80	202.81	101.74	210.53	107.55	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT102S73HQSS																Cooling Capacity	
Capacity Factor (%)	Outdoor Temp (°C DB)	Indoor Temp. (°C WB)															
		14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)			
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI			
	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW			
100%	-5.00	193.15	48.93	222.87	55.28	252.58	63.27	297.15	66.60	306.07	68.60	312.01	69.93	323.90	73.93		
	0.00	193.15	48.93	222.87	55.28	252.58	63.27	297.15	66.60	306.07	68.60	312.01	69.93	323.90	73.93		
	5.00	193.15	48.93	222.87	55.28	252.58	63.27	297.15	66.60	306.07	68.60	312.01	69.93	323.90	73.93		
	10.00	191.28	48.93	220.70	55.28	250.13	63.27	294.27	66.60	303.10	68.60	308.98	69.93	320.75	73.93		
	15.00	191.28	49.48	220.70	55.89	250.13	63.97	294.27	67.34	303.10	69.36	308.98	70.71	320.75	74.75		
	20.00	196.90	48.93	227.19	55.28	257.49	63.27	302.92	66.60	312.01	68.60	318.07	69.93	330.19	73.93		
	25.00	191.28	50.02	220.70	56.51	250.13	64.68	294.27	68.08	303.10	70.12	308.98	71.48	320.75	75.57		
	30.00	193.15	51.65	222.87	58.35	252.58	66.79	297.15	70.30	306.07	72.41	312.01	73.82	323.90	78.03		
	35.00	187.52	54.37	216.37	61.42	245.22	70.30	288.50	74.00	297.15	76.22	302.92	77.70	314.46	82.14		
	39.00	180.02	56.00	207.72	65.72	235.42	75.22	276.96	77.70	285.27	80.03	290.81	81.59	301.89	86.25		
	41.00	176.27	56.55	203.39	67.56	230.51	77.33	271.19	79.18	279.33	81.56	284.75	83.14	295.60	87.89		
	43.00	172.52	57.09	199.06	70.63	225.61	80.85	265.42	80.66	273.38	83.08	278.69	84.69	289.31	89.53		
	46.00	150.02	62.53	173.10	76.16	196.18	87.17	230.80	91.76	237.72	94.51	242.34	96.35	251.57	101.85		
50.00	121.89	65.25	140.64	76.78	159.40	87.88	187.52	95.46	193.15	98.32	196.90	100.23	204.40	105.96			
90%	-5.00	173.84	40.62	200.58	45.88	227.32	52.51	267.44	51.32	275.46	56.94	280.81	58.04	291.51	61.36		
	0.00	173.84	40.62	200.58	45.88	227.32	52.51	267.44	55.28	275.46	56.94	280.81	58.04	291.51	61.36		
	5.00	173.84	40.62	200.58	45.88	227.32	52.51	267.44	55.28	275.46	56.94	280.81	58.04	291.51	61.36		
	10.00	172.15	40.62	198.63	45.88	225.12	52.51	264.84	55.28	272.79	56.94	278.09	58.04	288.68	61.36		
	15.00	172.15	41.07	198.63	46.39	225.12	53.10	264.84	55.89	272.79	57.57	278.09	58.69	288.68	62.04		
	20.00	177.21	40.62	204.47	45.88	231.74	52.51	272.63	55.28	280.81	56.94	286.26	58.04	297.17	61.36		
	25.00	172.15	41.52	198.63	46.90	225.12	53.68	264.84	56.51	272.79	58.20	278.09	59.33	288.68	62.72		
	30.00	173.84	42.87	200.58	48.43	227.32	55.43	267.44	58.35	275.46	60.10	280.81	61.27	291.51	64.77		
	35.00	168.77	45.13	194.74	50.98	220.70	58.35	259.65	61.42	267.44	63.26	272.63	64.49	283.02	68.18		
	39.00	162.02	46.48	186.95	54.55	211.87	62.43	249.26	64.49	256.74	66.43	261.73	67.72	271.70	71.59		
	41.00	158.65	46.93	183.05	56.08	207.46	64.18	244.07	65.72	251.39	67.69	256.27	69.01	266.04	72.95		
	43.00	155.27	47.39	179.16	58.63	203.05	67.10	238.88	66.95	246.04	68.96	250.82	70.30	260.38	74.31		
	46.00	144.40	50.02	166.62	60.93	188.83	69.74	222.16	73.41	228.82	75.61	233.26	77.08	242.15	81.48		
50.00	136.64	54.15	157.66	63.72	178.68	72.94	210.21	79.23	216.52	81.61	220.72	83.19	229.13	87.95			
80%	-5.00	154.52	34.74	178.29	39.25	202.07	44.92	237.72	47.29	244.86	48.70	249.61	49.65	259.12	52.49		
	0.00	154.52	34.74	178.29	39.25	202.07	44.92	237.72	47.29	244.86	48.70	249.61	49.65	259.12	52.49		
	5.00	154.52	34.74	178.29	39.25	202.07	44.92	237.72	47.29	244.86	48.70	249.61	49.65	259.12	52.49		
	10.00	153.02	34.74	176.56	39.25	200.10	44.92	235.42	47.29	242.48	48.70	247.19	49.65	256.60	52.49		
	15.00	153.02	35.13	176.56	39.68	200.10	45.42	235.42	47.81	242.48	49.25	247.19	50.20	256.60	53.07		
	20.00	157.52	34.74	181.75	39.25	205.99	44.92	242.34	47.29	249.61	48.70	254.46	49.65	264.15	52.49		
	25.00	153.02	35.52	176.56	40.12	200.10	45.92	235.42	48.34	242.48	49.79	247.19	50.75	256.60	53.65		
	30.00	158.38	36.67	182.75	41.43	207.12	47.42	243.67	49.91	250.98	51.41	255.85	52.41	265.60	55.40		
	35.00	153.77	38.60	177.43	43.61	201.08	49.91	236.57	52.54	243.67	54.12	248.40	55.17	257.86	58.32		
	39.00	147.62	39.76	170.33	46.66	193.04	53.41	227.11	55.17	233.92	56.82	238.46	57.93	247.55	61.24		
	41.00	144.54	40.15	166.78	47.97	189.02	54.90	222.38	56.22	229.05	57.90	233.49	59.03	242.39	62.40		
	43.00	141.47	40.53	163.23	50.15	185.00	57.40	217.64	57.27	224.17	58.99	228.53	60.13	237.23	63.57		
	46.00	133.52	44.39	154.06	54.07	174.60	61.89	205.41	65.15	211.57	67.10	215.68	68.41	223.90	72.32		
50.00	113.36	46.32	130.80	54.51	148.24	62.39	174.40	67.78	179.63	69.81	183.12	71.17	190.09	75.23			

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

		38VT102S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	139.07	29.36	160.46	33.17	181.86	37.96	213.95	39.96	220.37	41.16	224.65	41.96	233.21	44.36
	0.00	139.07	29.36	160.46	33.17	181.86	37.96	213.95	39.96	220.37	41.16	224.65	41.96	233.21	44.36
	5.00	139.07	29.36	160.46	33.17	181.86	37.96	213.95	39.96	220.37	41.16	224.65	41.96	233.21	44.36
	10.00	137.72	29.36	158.91	33.17	180.09	37.96	211.87	39.96	218.23	41.16	222.47	41.96	230.94	44.36
	15.00	137.72	29.69	158.91	33.54	180.09	38.38	211.87	40.40	218.23	41.62	222.47	42.42	230.94	44.85
	20.00	141.77	29.36	163.58	33.17	185.39	37.96	218.11	39.96	224.65	41.16	229.01	41.96	237.74	44.36
	25.00	137.72	30.01	158.91	33.90	180.09	38.81	211.87	40.85	218.23	42.07	222.47	42.89	230.94	45.34
	30.00	139.07	30.99	160.46	35.01	181.86	40.07	213.95	42.18	220.37	43.45	224.65	44.29	233.21	46.82
	35.00	135.02	32.62	155.79	36.85	176.56	42.18	207.72	44.40	213.95	45.73	218.11	46.62	226.41	49.28
	39.00	129.62	33.60	149.56	39.43	169.50	45.13	199.41	46.62	205.39	48.02	209.38	48.95	217.36	51.75
	41.00	126.92	33.93	146.44	40.54	165.97	46.40	195.26	47.51	201.11	48.93	205.02	49.88	212.83	52.73
	43.00	124.22	34.25	143.33	42.38	162.44	48.51	191.10	48.40	196.84	49.85	200.66	50.82	208.30	53.72
46.00	117.02	35.64	135.02	43.41	153.02	49.69	180.02	52.30	185.42	53.87	189.03	54.92	196.23	58.06	
50.00	95.08	37.19	109.70	43.76	124.33	50.09	146.27	54.41	150.66	56.04	153.58	57.13	159.43	60.40	
60%	-5.00	119.75	23.98	138.18	27.09	156.60	31.00	184.24	32.63	189.76	33.61	193.45	34.27	200.82	36.22
	0.00	119.75	23.98	138.18	27.09	156.60	31.00	184.24	32.63	189.76	33.61	193.45	34.27	200.82	36.22
	5.00	119.75	23.98	138.18	27.09	156.60	31.00	184.24	32.63	189.76	33.61	193.45	34.27	200.82	36.22
	10.00	118.59	23.98	136.84	27.09	155.08	31.00	182.45	32.63	187.92	33.61	191.57	34.27	198.87	36.22
	15.00	118.59	24.24	136.84	27.39	155.08	31.35	182.45	33.00	187.92	33.99	191.57	34.65	198.87	36.63
	20.00	122.08	23.98	140.86	27.09	159.64	31.00	187.81	32.63	193.45	33.61	197.20	34.27	204.72	36.22
	25.00	118.59	24.51	136.84	27.69	155.08	31.69	182.45	33.36	187.92	34.36	191.57	35.03	198.87	37.03
	30.00	119.75	25.31	138.18	28.59	156.60	32.72	184.24	34.45	189.76	35.48	193.45	36.17	200.82	38.24
	35.00	116.27	26.64	134.15	30.10	152.04	34.45	178.87	36.26	184.24	37.35	187.81	38.07	194.97	40.25
	39.00	111.61	27.44	128.79	32.20	145.96	36.86	171.72	38.07	176.87	39.22	180.30	39.98	187.17	42.26
	41.00	109.29	27.71	126.10	33.11	142.92	37.89	168.14	38.80	173.18	39.96	176.54	40.74	183.27	43.07
	43.00	106.96	27.97	123.42	34.61	139.88	39.61	164.56	39.52	169.50	40.71	172.79	41.50	179.37	43.87
46.00	103.51	30.64	119.44	37.32	135.36	42.71	159.25	44.96	164.03	46.31	167.21	47.21	173.58	49.91	
50.00	84.10	31.97	97.04	37.62	109.98	43.06	129.39	46.78	133.27	48.18	135.86	49.11	141.04	51.92	
50%	-5.00	96.58	19.57	111.43	22.11	126.29	25.31	148.58	26.64	153.03	27.44	156.01	27.97	161.95	29.57
	0.00	96.58	19.57	111.43	22.11	126.29	25.31	148.58	26.64	153.03	27.44	156.01	27.97	161.95	29.57
	5.00	96.58	19.57	111.43	22.11	126.29	25.31	148.58	26.64	153.03	27.44	156.01	27.97	161.95	29.57
	10.00	95.64	19.57	110.35	22.11	125.06	25.31	147.13	26.64	151.55	27.44	154.49	27.97	160.38	29.57
	15.00	95.64	19.79	110.35	22.36	125.06	25.59	147.13	26.94	151.55	27.74	154.49	28.28	160.38	29.90
	20.00	98.45	19.57	113.60	22.11	128.74	25.31	151.46	26.64	156.01	27.44	159.04	27.97	165.09	29.57
	25.00	95.64	20.01	110.35	22.60	125.06	25.87	147.13	27.23	151.55	28.05	154.49	28.59	160.38	30.23
	30.00	96.58	20.66	111.43	23.34	126.29	26.71	148.58	28.12	153.03	28.96	156.01	29.53	161.95	31.21
	35.00	93.76	21.75	108.19	24.57	122.61	28.12	144.25	29.60	148.58	30.49	151.46	31.08	157.23	32.86
	39.00	90.01	22.40	103.86	26.29	117.71	30.09	138.48	31.08	142.63	32.01	145.40	32.63	150.94	34.50
	41.00	88.14	22.62	101.70	27.02	115.26	30.93	135.59	31.67	139.66	32.62	142.37	33.26	147.80	35.16
	43.00	86.26	22.84	99.53	28.25	112.80	32.34	132.71	32.26	136.69	33.23	139.35	33.88	144.65	35.81
46.00	81.95	23.76	94.56	28.94	107.16	33.13	126.07	34.87	129.86	35.91	132.38	36.61	137.42	38.70	
50.00	79.36	24.79	91.57	29.17	103.78	33.39	122.09	36.27	125.76	37.36	128.20	38.09	133.08	40.27	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT104S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-5.00	210.61	50.39	243.01	57.30	275.41	65.58	324.02	69.03	333.74	71.10	340.22	72.49	353.18	76.63
	0.00	210.61	50.39	243.01	57.30	275.41	65.58	324.02	69.03	333.74	71.10	340.22	72.49	353.18	76.63
	5.00	210.61	50.39	243.01	57.30	275.41	65.58	324.02	69.03	333.74	71.10	340.22	72.49	353.18	76.63
	10.00	208.57	50.39	240.65	57.30	272.74	65.58	320.87	69.03	330.50	71.10	336.92	72.49	349.75	76.63
	15.00	208.57	50.95	240.65	57.93	272.74	66.31	320.87	69.80	330.50	71.89	336.92	73.29	349.75	77.48
	20.00	214.70	50.39	247.73	57.30	280.76	17.72	330.31	17.72	340.22	17.72	346.82	17.72	360.04	76.63
	25.00	208.57	51.51	240.65	58.57	272.74	67.04	320.87	70.57	330.50	72.68	336.92	74.10	349.75	78.33
	30.00	210.61	53.19	243.01	60.48	275.41	69.23	324.02	72.87	333.74	75.05	340.22	76.51	353.18	80.88
	35.00	204.48	55.99	235.94	63.66	267.39	72.87	314.58	76.70	324.02	79.01	330.31	80.54	342.89	85.14
	39.00	196.30	57.67	226.50	68.12	256.70	77.97	302.00	80.54	311.06	82.96	317.10	84.57	329.18	89.40
	41.00	192.21	58.80	221.78	70.72	251.35	80.94	295.71	82.88	304.58	85.36	310.49	87.02	322.32	91.99
	43.00	188.12	59.37	217.06	73.93	246.00	84.62	289.41	84.43	298.10	86.96	303.88	88.65	315.46	93.71
	46.00	163.58	65.02	188.75	79.72	213.91	91.24	251.66	96.05	259.21	98.93	264.25	100.85	274.31	106.61
50.00	132.91	67.85	153.36	80.36	173.81	91.98	204.48	99.92	210.61	102.92	214.70	104.91	222.88	110.91	
120%	-5.00	206.67	50.39	238.47	57.30	270.27	65.58	317.96	69.03	327.50	71.10	333.86	72.49	346.58	76.63
	0.00	206.67	50.39	238.47	57.30	270.27	65.58	317.96	69.03	327.50	71.10	333.86	72.49	346.58	76.63
	5.00	206.67	50.39	238.47	57.30	270.27	65.58	317.96	69.03	327.50	71.10	333.86	72.49	346.58	76.63
	10.00	204.67	50.39	236.16	57.30	267.64	65.58	314.87	69.03	324.32	71.10	330.62	72.49	343.21	76.63
	15.00	204.67	50.95	236.16	57.93	267.64	66.31	314.87	69.80	324.32	71.89	330.62	73.29	343.21	77.48
	20.00	210.69	50.39	243.10	57.30	275.51	65.58	324.14	69.03	333.86	71.10	340.34	72.49	353.31	76.63
	25.00	204.67	51.51	236.16	58.57	267.64	67.04	314.87	70.57	324.32	72.68	330.62	74.10	343.21	78.33
	30.00	206.67	53.19	238.47	60.48	270.27	69.23	317.96	72.87	327.50	75.05	333.86	76.51	346.58	80.88
	35.00	200.66	55.99	231.53	63.66	262.40	72.87	308.70	76.70	317.96	79.01	324.14	80.54	336.48	85.14
	39.00	192.63	57.40	222.26	67.79	251.90	77.60	296.35	80.15	305.24	16.08	311.17	27.34	323.02	88.97
	41.00	188.62	57.95	217.63	69.69	246.65	79.77	290.18	81.68	298.88	84.13	304.69	85.76	316.29	90.66
	43.00	184.60	58.51	213.00	72.86	241.40	83.40	284.00	83.21	292.52	85.70	298.20	87.37	309.56	92.36
	46.00	160.52	64.08	185.22	78.56	209.92	89.92	246.96	94.66	254.37	97.50	259.31	99.39	269.19	105.07
50.00	130.43	66.87	150.49	79.20	170.56	90.65	200.66	98.47	206.67	101.43	210.69	103.40	218.71	109.30	
110%	-5.00	202.74	50.15	233.93	57.02	265.12	65.26	311.90	68.70	321.26	70.76	327.50	72.13	339.98	76.25
	0.00	202.74	50.15	233.93	57.02	265.12	65.26	311.90	68.70	321.26	70.76	327.50	72.13	339.98	76.25
	5.00	202.74	50.15	233.93	57.02	265.12	65.26	311.90	68.70	321.26	70.76	327.50	72.13	339.98	76.25
	10.00	200.77	50.15	231.66	57.02	262.54	65.26	308.88	68.70	318.14	70.76	324.32	72.13	336.68	76.25
	15.00	200.77	50.70	231.66	57.65	262.54	65.99	308.88	69.46	318.14	71.54	324.32	72.93	336.68	77.10
	20.00	206.67	50.15	238.47	57.02	270.27	65.26	317.96	68.70	327.50	70.76	333.86	72.13	346.58	76.25
	25.00	200.77	51.26	231.66	58.28	262.54	66.71	308.88	70.22	318.14	72.33	324.32	73.73	336.68	77.95
	30.00	202.74	52.93	233.93	60.18	265.12	68.89	311.90	72.51	321.26	74.69	327.50	76.14	339.98	80.49
	35.00	196.83	55.72	227.12	63.35	257.40	72.51	302.82	76.33	311.90	78.62	317.96	80.14	330.07	84.72
	39.00	188.96	57.39	218.03	67.79	247.10	77.59	290.71	80.14	299.43	82.55	305.24	84.15	316.87	88.96
	41.00	185.02	57.95	213.49	69.69	241.95	79.76	284.65	81.67	293.19	84.12	298.88	85.75	310.27	90.65
	43.00	181.09	58.51	208.95	72.86	236.81	83.39	278.59	83.20	286.95	85.69	292.52	87.36	303.67	92.35
	46.00	157.47	64.08	181.69	78.56	205.92	89.91	242.26	94.65	249.52	97.49	254.37	99.38	264.06	105.06
50.00	127.94	66.86	147.62	79.19	167.31	90.64	196.83	98.46	202.74	101.42	206.67	103.39	214.55	109.29	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT104S73HQSS															
															Cooling Capacity
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-5.00	196.83	49.41	227.12	56.17	257.40	64.30	302.82	67.68	311.90	69.71	317.96	71.06	330.07	75.12
	0.00	196.83	49.41	227.12	56.17	257.40	64.30	302.82	67.68	311.90	69.71	317.96	71.06	330.07	75.12
	5.00	196.83	49.41	227.12	56.17	257.40	64.30	302.82	67.68	311.90	69.71	317.96	71.06	330.07	75.12
	10.00	194.92	49.41	224.91	56.17	254.90	64.30	299.88	67.68	308.88	69.71	314.87	71.06	326.87	75.12
	15.00	194.92	49.96	224.91	56.80	254.90	65.01	299.88	68.43	308.88	70.48	314.87	71.85	326.87	75.96
	20.00	200.66	49.41	231.53	56.17	262.40	64.30	308.70	67.68	317.96	69.71	324.14	71.06	336.48	75.12
	25.00	194.92	50.50	224.91	57.42	254.90	65.72	299.88	69.18	308.88	71.26	314.87	72.64	326.87	76.79
	30.00	196.83	52.15	227.12	59.30	257.40	67.87	302.82	71.44	311.90	73.58	317.96	75.01	330.07	79.30
	35.00	191.10	54.90	220.50	62.42	249.90	71.44	294.00	75.20	302.82	77.46	308.70	78.96	320.46	83.47
	39.00	183.46	56.54	211.68	66.79	239.90	76.44	282.24	78.96	290.71	81.33	296.35	82.91	307.64	87.65
	41.00	179.63	57.09	207.27	68.66	234.91	78.58	276.36	80.46	284.65	82.88	290.18	84.49	301.23	89.32
	43.00	175.81	57.64	202.86	71.78	229.91	82.16	270.48	81.97	278.59	84.43	284.00	86.07	294.82	90.98
	46.00	152.88	63.13	176.40	77.40	199.92	88.59	235.20	93.25	242.26	96.05	246.96	97.91	256.37	103.51
50.00	124.22	65.88	143.33	78.02	162.44	89.30	191.10	97.01	196.83	99.92	200.66	101.86	208.30	107.68	
90%	-5.00	177.15	41.01	204.40	46.62	231.66	53.37	272.54	50.90	280.71	57.86	286.16	58.98	297.07	62.35
	0.00	177.15	41.01	204.40	46.62	231.66	53.37	272.54	56.17	280.71	57.86	286.16	58.98	297.07	62.35
	5.00	177.15	41.01	204.40	46.62	231.66	53.37	272.54	56.17	280.71	57.86	286.16	58.98	297.07	62.35
	10.00	175.43	41.01	202.42	46.62	229.41	53.37	269.89	56.17	277.99	57.86	283.39	58.98	294.18	62.35
	15.00	175.43	41.46	202.42	47.14	229.41	53.96	269.89	56.80	277.99	58.50	283.39	59.64	294.18	63.05
	20.00	180.59	41.01	208.37	46.62	236.16	53.37	277.83	56.17	286.16	57.86	291.72	58.98	302.83	62.35
	25.00	175.43	41.92	202.42	47.66	229.41	54.55	269.89	57.42	277.99	59.15	283.39	60.29	294.18	63.74
	30.00	177.15	43.29	204.40	49.22	231.66	56.33	272.54	59.30	280.71	61.07	286.16	62.26	297.07	65.82
	35.00	171.99	45.56	198.45	51.81	224.91	59.30	264.60	62.42	272.54	64.29	277.83	65.54	288.41	69.28
	39.00	165.11	46.93	190.51	55.43	215.91	63.45	254.02	65.54	261.64	67.50	266.72	68.81	276.88	72.75
	41.00	161.67	47.39	186.54	56.99	211.42	65.22	248.72	66.79	256.19	68.79	261.16	70.12	271.11	74.13
	43.00	158.23	47.84	182.57	59.58	206.92	68.19	243.43	68.03	250.73	70.07	255.60	71.44	265.34	75.52
	46.00	147.15	50.50	169.79	61.92	192.43	70.87	226.39	74.60	233.18	76.84	237.71	78.33	246.77	82.80
50.00	139.24	54.68	160.67	64.76	182.09	74.12	214.22	80.52	220.65	82.93	224.93	84.54	233.50	89.37	
80%	-5.00	157.47	35.08	181.69	39.88	205.92	45.65	242.26	48.05	249.52	49.49	254.37	50.46	264.06	53.34
	0.00	157.47	35.08	181.69	39.88	205.92	45.65	242.26	48.05	249.52	49.49	254.37	50.46	264.06	53.34
	5.00	157.47	35.08	181.69	39.88	205.92	45.65	242.26	48.05	249.52	49.49	254.37	50.46	264.06	53.34
	10.00	155.94	35.08	179.93	39.88	203.92	45.65	239.90	48.05	247.10	49.49	251.90	50.46	261.50	53.34
	15.00	155.94	35.47	179.93	40.33	203.92	46.16	239.90	48.59	247.10	50.04	251.90	51.02	261.50	53.93
	20.00	160.52	35.08	185.22	39.88	209.92	45.65	246.96	48.05	254.37	49.49	259.31	50.46	269.19	53.34
	25.00	155.94	35.86	179.93	40.77	203.92	46.66	239.90	49.12	247.10	50.59	251.90	51.58	261.50	54.52
	30.00	161.40	37.03	186.23	42.10	211.07	48.19	248.31	50.72	255.76	52.24	260.73	53.26	270.66	56.30
	35.00	156.70	38.98	180.81	44.32	204.92	50.72	241.08	53.39	248.31	54.99	253.13	56.06	262.78	59.27
	39.00	150.43	40.15	173.58	47.42	196.72	54.27	231.44	56.06	238.38	57.74	243.01	58.86	252.27	62.23
	41.00	147.30	40.54	169.96	48.75	192.62	55.79	226.62	57.13	233.41	58.84	237.95	59.99	247.01	63.41
	43.00	144.17	40.92	166.35	50.96	188.52	58.33	221.79	58.20	228.45	59.94	232.88	61.11	241.76	64.60
	46.00	136.06	44.82	157.00	54.95	177.93	62.90	209.33	66.21	215.61	68.19	219.79	69.52	228.17	73.49
50.00	115.52	46.77	133.29	55.39	151.06	63.40	177.72	68.88	183.05	70.94	186.61	72.32	193.72	76.45	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



		38VT104S73HQSS												Cooling Capacity	
Capacity Factor (%)	Outdoor Temp	Indoor Temp. (°C WB)													
	(°C DB)	14 (°C)		16 (°C)		18 (°C)		19 (°C)		20 (°C)		22 (°C)		24 (°C)	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-5.00	141.72	29.64	163.52	33.70	185.33	38.58	218.03	40.61	224.57	41.83	228.93	42.64	237.65	45.07
	0.00	141.72	29.64	163.52	33.70	185.33	38.58	218.03	40.61	224.57	41.83	228.93	42.64	237.65	45.07
	5.00	141.72	29.64	163.52	33.70	185.33	38.58	218.03	40.61	224.57	41.83	228.93	42.64	237.65	45.07
	10.00	140.34	29.64	161.94	33.70	183.53	38.58	215.91	40.61	222.39	41.83	226.71	42.64	235.35	45.07
	15.00	140.34	29.97	161.94	34.08	183.53	39.01	215.91	41.06	222.39	42.29	226.71	43.11	235.35	45.58
	20.00	144.47	29.64	166.70	33.70	188.92	38.58	222.26	40.61	228.93	41.83	233.38	42.64	242.27	45.07
	25.00	140.34	30.30	161.94	34.45	183.53	39.43	215.91	41.51	222.39	42.76	226.71	43.59	235.35	46.08
	30.00	141.72	31.29	163.52	35.58	185.33	40.72	218.03	42.86	224.57	44.15	228.93	45.01	237.65	47.58
	35.00	137.59	32.94	158.76	37.45	179.93	42.86	211.68	45.12	218.03	46.47	222.26	47.38	230.73	50.08
	39.00	132.09	33.93	152.41	40.07	172.73	45.86	203.21	47.38	209.31	48.80	213.37	49.74	221.50	52.59
	41.00	129.34	34.26	149.23	41.19	169.13	47.15	198.98	48.28	204.95	49.73	208.93	50.69	216.89	53.59
	43.00	126.58	34.58	146.06	43.07	165.53	49.29	194.75	49.18	200.59	50.66	204.48	51.64	212.27	54.59
46.00	119.25	35.98	137.59	44.12	155.94	50.49	183.46	53.15	188.96	54.75	192.63	55.81	199.97	59.00	
50.00	96.89	37.55	111.79	44.47	126.70	50.90	149.06	55.29	153.53	56.95	156.51	58.06	162.47	61.38	
60%	-5.00	122.04	24.21	140.81	27.53	159.59	31.51	187.75	33.16	193.38	34.16	197.14	34.82	204.65	36.81
	0.00	122.04	24.21	140.81	27.53	159.59	31.51	187.75	33.16	193.38	34.16	197.14	34.82	204.65	36.81
	5.00	122.04	24.21	140.81	27.53	159.59	31.51	187.75	33.16	193.38	34.16	197.14	34.82	204.65	36.81
	10.00	120.85	24.21	139.44	27.53	158.04	31.51	185.93	33.16	191.50	34.16	195.22	34.82	202.66	36.81
	15.00	120.85	24.48	139.44	27.83	158.04	31.86	185.93	33.53	191.50	34.54	195.22	35.21	202.66	37.22
	20.00	124.41	24.21	143.55	27.53	162.68	31.51	191.39	33.16	197.14	34.16	200.96	34.82	208.62	36.81
	25.00	120.85	24.75	139.44	28.14	158.04	32.21	185.93	33.90	191.50	34.92	195.22	35.60	202.66	37.63
	30.00	122.04	25.55	140.81	29.05	159.59	33.26	187.75	35.01	193.38	36.06	197.14	36.76	204.65	38.86
	35.00	118.48	26.90	136.71	30.58	154.94	35.01	182.28	36.85	187.75	37.95	191.39	38.69	198.69	40.90
	39.00	113.74	27.71	131.24	32.72	148.74	37.46	174.99	38.69	180.24	39.85	183.74	40.62	190.74	42.95
	41.00	111.37	27.98	128.51	33.64	145.64	38.51	171.34	39.43	176.48	40.61	179.91	41.40	186.76	43.76
	43.00	109.00	28.24	125.77	35.17	142.54	40.26	167.70	40.16	172.73	41.37	176.08	42.17	182.79	44.58
46.00	105.49	30.93	121.72	37.92	137.94	43.41	162.29	45.69	167.16	47.06	170.40	47.98	176.89	50.72	
50.00	85.71	32.28	98.89	38.23	112.08	43.76	131.86	47.53	135.81	48.96	138.45	49.91	143.73	52.76	
50%	-5.00	98.42	19.76	113.56	22.47	128.70	25.72	151.41	27.07	155.95	27.88	158.98	28.43	165.04	30.05
	0.00	98.42	19.76	113.56	22.47	128.70	25.72	151.41	27.07	155.95	27.88	158.98	28.43	165.04	30.05
	5.00	98.42	19.76	113.56	22.47	128.70	25.72	151.41	27.07	155.95	27.88	158.98	28.43	165.04	30.05
	10.00	97.46	19.76	112.46	22.47	127.45	25.72	149.94	27.07	154.44	27.88	157.44	28.43	163.43	30.05
	15.00	97.46	19.98	112.46	22.72	127.45	26.00	149.94	27.37	154.44	28.19	157.44	28.74	163.43	30.38
	20.00	100.33	19.76	115.76	22.47	131.20	25.72	154.35	27.07	158.98	27.88	162.07	28.43	168.24	30.05
	25.00	97.46	20.20	112.46	22.97	127.45	26.29	149.94	27.67	154.44	28.50	157.44	29.06	163.43	30.72
	30.00	98.42	20.86	113.56	23.72	128.70	27.15	151.41	28.58	155.95	29.43	158.98	30.00	165.04	31.72
	35.00	95.55	21.96	110.25	24.97	124.95	28.58	147.00	30.08	151.41	30.98	154.35	31.58	160.23	33.39
	39.00	91.73	22.62	105.84	26.71	119.95	30.58	141.12	31.58	145.35	32.53	148.18	33.16	153.82	35.06
	41.00	89.82	22.84	103.64	27.46	117.45	31.43	138.18	32.19	142.33	33.15	145.09	33.79	150.62	35.73
	43.00	87.91	23.06	101.43	28.71	114.95	32.86	135.24	32.79	139.30	33.77	142.00	34.43	147.41	36.39
46.00	83.51	23.99	96.36	29.41	109.21	33.66	128.48	35.43	132.33	36.50	134.90	37.21	140.04	39.33	
50.00	80.87	25.03	93.32	29.65	105.76	33.93	124.42	36.86	128.15	37.97	130.64	38.71	135.62	40.92	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



15.2 Top Side (380V) outdoor unit heating capacity tables

38VT008173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
130%	-22.9	-23	9.79	5.59	9.70	5.54	8.99	5.17	8.72	5.12	8.27	5.07	8.09	5.02	
	-18.8	-19	12.24	5.67	12.13	5.61	11.23	5.25	10.90	5.19	10.33	5.14	10.11	5.09	
	-14.7	-15	13.77	5.90	13.65	5.85	12.64	5.46	12.26	5.41	11.63	5.36	11.37	5.30	
	-12.6	-13	15.30	5.95	15.16	5.90	14.04	5.51	13.62	5.46	12.92	5.40	12.64	5.35	
	-10.5	-11	16.53	6.01	16.38	5.95	15.16	5.56	14.71	5.51	13.95	5.45	13.65	5.39	
	-9.5	-10	17.45	6.11	17.29	6.05	16.01	5.66	15.53	5.60	14.73	5.54	14.41	5.49	
	-8.5	-9.1	18.36	6.27	18.20	6.21	16.85	5.80	16.34	5.75	15.50	5.69	15.16	5.63	
	-7	-7.6	21.43	6.42	21.23	6.36	19.66	5.95	19.07	5.89	18.08	5.83	17.69	5.77	
	-5	-5.6	22.96	6.69	22.74	6.62	21.06	6.19	20.43	6.13	19.38	6.07	18.95	6.00	
	-3	-3.7	24.49	7.05	24.26	6.99	22.46	6.53	21.79	6.46	20.67	6.40	20.22	6.33	
	0	-0.7	26.93	6.89	26.69	6.83	24.71	6.38	23.97	6.32	22.73	6.26	22.24	6.19	
	3	2.2	29.08	6.27	28.81	6.21	26.68	5.80	25.88	5.75	24.54	5.69	24.01	5.63	
	5	4.1	29.69	6.01	29.42	5.95	27.24	5.56	26.42	5.51	25.06	5.45	24.51	5.39	
	7	6	30.61	5.22	30.33	5.17	28.08	4.84	27.24	4.79	25.83	4.74	25.27	4.69	
	9	7.9	31.22	5.17	30.93	5.12	28.64	4.79	27.78	4.74	26.35	4.69	25.78	4.64	
	11	9.8	31.22	5.12	30.93	5.07	28.64	4.74	27.78	4.69	26.35	4.64	25.78	4.60	
	13	11.8	31.22	5.09	30.93	5.05	28.64	4.72	27.78	4.67	26.35	4.62	25.78	4.57	
15	13.7	31.22	5.07	30.93	5.02	28.64	4.69	27.78	4.64	26.35	4.60	25.78	4.55		
19	14.2	31.51	5.04	30.93	4.99	28.64	4.67	27.78	4.62	26.35	4.57	25.78	4.53		
21	15	31.51	5.01	30.93	4.97	28.64	4.64	27.78	4.60	26.35	4.55	25.78	4.50		
120%	-22.9	-23	9.70	5.89	9.61	5.83	8.90	5.45	8.63	5.40	8.19	5.34	8.01	5.29	
	-18.8	-19	12.13	5.97	12.01	5.92	11.12	5.53	10.79	5.47	10.23	5.42	10.01	5.36	
	-14.7	-15	13.64	6.22	13.52	6.16	12.51	5.76	12.14	5.70	11.51	5.64	11.26	5.59	
	-12.6	-13	15.16	6.27	15.02	6.22	13.91	5.81	13.49	5.75	12.79	5.69	12.51	5.64	
	-10.5	-11	16.37	6.33	16.22	6.27	15.02	5.86	14.57	5.80	13.82	5.74	13.52	5.68	
	-9.5	-10	17.28	6.44	17.12	6.38	15.85	5.96	15.38	5.90	14.58	5.84	14.27	5.78	
	-8.5	-9.1	18.19	6.60	18.02	6.54	16.69	6.12	16.19	6.05	15.35	5.99	15.02	5.93	
	-7	-7.6	21.22	6.77	21.02	6.71	19.47	6.27	18.88	6.21	17.91	6.14	17.52	6.08	
	-5	-5.6	22.73	7.04	22.53	6.98	20.86	6.52	20.23	6.46	19.19	6.39	18.77	6.33	
	-3	-3.7	24.25	7.43	24.03	7.36	22.25	6.88	21.58	6.81	20.47	6.74	20.02	6.67	
	0	-0.7	26.68	7.26	26.43	7.20	24.47	6.73	23.74	6.66	22.51	6.59	22.03	6.52	
	3	2.2	28.80	6.60	28.53	6.54	26.42	6.12	25.63	6.05	24.31	5.99	23.78	5.93	
	5	4.1	29.40	6.33	29.13	6.27	26.98	5.86	26.17	5.80	24.82	5.74	24.28	5.68	
	7	6	30.31	5.50	30.03	5.45	27.81	5.10	26.98	5.05	25.59	4.99	25.03	4.94	
	9	7.9	30.92	5.45	30.64	5.40	28.37	5.05	27.52	4.99	26.10	4.94	25.53	4.89	
	11	9.8	30.92	5.39	30.64	5.34	28.37	4.99	27.52	4.94	26.10	4.89	25.53	4.84	
	13	11.8	30.92	5.37	30.64	5.32	28.37	4.97	27.52	4.92	26.10	4.87	25.53	4.82	
15	13.7	30.92	5.34	30.64	5.29	28.37	4.94	27.52	4.89	26.10	4.84	25.53	4.79		
19	14.2	31.20	5.31	30.64	5.26	28.37	4.92	27.52	4.87	26.10	4.82	25.53	4.77		
21	15	31.20	5.28	30.64	5.23	28.37	4.89	27.52	4.84	26.10	4.79	25.53	4.75		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT008173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.9	-23	9.51	5.95	9.42	5.89	8.73	5.51	8.46	5.45	8.03	5.40	7.85	5.34	
	-18.8	-19	11.89	6.03	11.78	5.98	10.91	5.59	10.58	5.53	10.04	5.47	9.82	5.42	
	-14.7	-15	13.38	6.28	13.25	6.22	12.27	5.82	11.90	5.76	11.29	5.70	11.04	5.64	
	-12.6	-13	14.86	6.34	14.73	6.28	13.64	5.87	13.23	5.81	12.54	5.75	12.27	5.69	
	-10.5	-11	16.05	6.39	15.90	6.33	14.73	5.92	14.28	5.86	13.55	5.80	13.25	5.74	
	-9.5	-10	16.94	6.51	16.79	6.44	15.54	6.02	15.08	5.96	14.30	5.90	13.99	5.84	
	-8.5	-9.1	17.83	6.67	17.67	6.61	16.36	6.18	15.87	6.12	15.05	6.05	14.73	5.99	
	-7	-7.6	20.81	6.84	20.62	6.78	19.09	6.33	18.52	6.27	17.56	6.21	17.18	6.14	
	-5	-5.6	22.29	7.12	22.09	7.05	20.45	6.59	19.84	6.52	18.82	6.46	18.41	6.39	
	-3	-3.7	23.78	7.51	23.56	7.44	21.82	6.95	21.16	6.88	20.07	6.81	19.63	6.74	
	0	-0.7	26.16	7.34	25.92	7.27	24.00	6.80	23.28	6.73	22.08	6.66	21.60	6.59	
	3	2.2	28.24	6.67	27.98	6.61	25.91	6.18	25.13	6.12	23.83	6.05	23.32	5.99	
	5	4.1	28.83	6.39	28.57	6.33	26.45	5.92	25.66	5.86	24.34	5.80	23.81	5.74	
	7	6	29.72	5.56	29.45	5.51	27.27	5.15	26.45	5.10	25.09	5.05	24.54	4.99	
	9	7.9	30.32	5.50	30.04	5.45	27.82	5.10	26.98	5.05	25.59	4.99	25.03	4.94	
	11	9.8	30.32	5.45	30.04	5.40	27.82	5.05	26.98	4.99	25.59	4.94	25.03	4.89	
	13	11.8	30.32	5.42	30.04	5.37	27.82	5.02	26.98	4.97	25.59	4.92	25.03	4.87	
	15	13.7	30.32	5.39	30.04	5.34	27.82	4.99	26.98	4.94	25.59	4.89	25.03	4.84	
19	14.2	30.60	5.37	30.04	5.32	27.82	4.97	26.98	4.92	25.59	4.87	25.03	4.82		
21	15	30.60	5.34	30.04	5.29	27.82	4.94	26.98	4.89	25.59	4.84	25.03	4.79		
100%	-22.9	-23	9.42	6.01	9.33	5.95	8.64	5.56	8.38	5.51	7.95	5.45	7.78	5.40	
	-18.8	-19	11.77	6.09	11.66	6.04	10.80	5.64	10.48	5.59	9.94	5.53	9.72	5.47	
	-14.7	-15	13.24	6.35	13.12	6.29	12.15	5.88	11.79	5.82	11.18	5.76	10.94	5.70	
	-12.6	-13	14.72	6.40	14.58	6.34	13.50	5.93	13.10	5.87	12.42	5.81	12.15	5.75	
	-10.5	-11	15.89	6.46	15.75	6.40	14.58	5.98	14.14	5.92	13.41	5.86	13.12	5.80	
	-9.5	-10	16.78	6.57	16.62	6.51	15.39	6.08	14.93	6.02	14.16	5.96	13.85	5.90	
	-8.5	-9.1	17.66	6.74	17.50	6.68	16.20	6.24	15.71	6.18	14.90	6.12	14.58	6.05	
	-7	-7.6	20.60	6.91	20.41	6.84	18.90	6.40	18.33	6.33	17.39	6.27	17.01	6.20	
	-5	-5.6	22.07	7.19	21.87	7.12	20.25	6.66	19.64	6.59	18.63	6.52	18.23	6.46	
	-3	-3.7	23.54	7.58	23.33	7.51	21.60	7.02	20.95	6.95	19.87	6.88	19.44	6.81	
	0	-0.7	25.90	7.41	25.66	7.34	23.76	6.86	23.05	6.80	21.86	6.73	21.38	6.66	
	3	2.2	27.96	6.74	27.70	6.68	25.65	6.24	24.88	6.18	23.60	6.12	23.09	6.05	
	5	4.1	28.55	6.46	28.29	6.40	26.19	5.98	25.40	5.92	24.09	5.86	23.57	5.80	
	7	6	29.43	5.62	29.16	5.56	27.00	5.20	26.19	5.15	24.84	5.10	24.30	5.04	
	9	7.9	30.02	5.56	29.74	5.51	27.54	5.15	26.71	5.10	25.34	5.05	24.79	4.99	
	11	9.8	30.02	5.50	29.74	5.45	27.54	5.10	26.71	5.05	25.34	4.99	24.79	4.94	
	13	11.8	30.02	5.48	29.74	5.42	27.54	5.07	26.71	5.02	25.34	4.97	24.79	4.92	
	15	13.7	30.02	5.45	29.74	5.40	27.54	5.04	26.71	4.99	25.34	4.94	24.79	4.89	
19	14.2	30.29	5.42	29.74	5.37	27.54	5.02	26.71	4.97	25.34	4.92	24.79	4.87		
21	15	30.29	5.39	29.74	5.34	27.54	4.99	26.71	4.94	25.34	4.89	24.79	4.84		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT008173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-22.9	-23	8.48	5.35	8.40	5.30	7.78	4.95	7.55	4.90	7.16	4.85	7.00	4.80	
	-18.8	-19	10.60	5.42	10.50	5.37	9.73	5.02	9.43	4.97	8.95	4.92	8.75	4.87	
	-14.7	-15	11.93	5.65	11.82	5.60	10.94	5.23	10.61	5.18	10.07	5.13	9.85	5.07	
	-12.6	-13	13.25	5.70	13.13	5.65	12.16	5.28	11.79	5.22	11.18	5.17	10.94	5.12	
	-10.5	-11	14.31	5.75	14.18	5.69	13.13	5.32	12.74	5.27	12.08	5.22	11.82	5.16	
	-9.5	-10	15.11	5.85	14.97	5.79	13.86	5.41	13.44	5.36	12.75	5.31	12.47	5.25	
	-8.5	-9.1	15.90	6.00	15.76	5.94	14.59	5.55	14.15	5.50	13.42	5.44	13.13	5.39	
	-7	-7.6	18.55	6.15	18.38	6.09	17.02	5.69	16.51	5.64	15.66	5.58	15.32	5.52	
	-5	-5.6	19.88	6.40	19.69	6.34	18.24	5.92	17.69	5.86	16.78	5.81	16.41	5.75	
	-3	-3.7	21.20	6.75	21.01	6.69	19.45	6.25	18.87	6.19	17.89	6.12	17.51	6.06	
	0	-0.7	23.32	6.60	23.11	6.54	21.40	6.11	20.75	6.05	19.68	5.99	19.26	5.93	
	3	2.2	25.18	6.00	24.95	5.94	23.10	5.55	22.40	5.50	21.25	5.44	20.79	5.39	
	5	4.1	25.71	5.75	25.47	5.69	23.58	5.32	22.88	5.27	21.70	5.22	21.23	5.16	
	7	6	26.50	5.00	26.26	4.95	24.31	4.63	23.58	4.58	22.37	4.54	21.88	4.49	
	9	7.9	27.03	4.95	26.78	4.90	24.80	4.58	24.06	4.54	22.82	4.49	22.32	4.44	
	11	9.8	27.03	4.90	26.78	4.85	24.80	4.54	24.06	4.49	22.82	4.44	22.32	4.40	
	13	11.8	27.03	4.87	26.78	4.83	24.80	4.51	24.06	4.47	22.82	4.42	22.32	4.38	
15	13.7	27.03	4.85	26.78	4.80	24.80	4.49	24.06	4.44	22.82	4.40	22.32	4.35		
19	14.2	27.28	4.82	26.78	4.78	24.80	4.47	24.06	4.42	22.82	4.38	22.32	4.33		
21	15	27.28	4.80	26.78	4.75	24.80	4.44	24.06	4.40	22.82	4.35	22.32	4.31		
80%	-22.9	-23	7.63	4.81	7.56	4.76	7.00	4.45	6.79	4.41	6.44	4.36	6.30	4.32	
	-18.8	-19	9.54	4.87	9.45	4.83	8.75	4.51	8.49	4.47	8.05	4.42	7.87	4.38	
	-14.7	-15	10.73	5.08	10.63	5.03	9.84	4.70	9.55	4.65	9.05	4.61	8.86	4.56	
	-12.6	-13	11.92	5.12	11.81	5.07	10.94	4.74	10.61	4.69	10.06	4.65	9.84	4.60	
	-10.5	-11	12.87	5.17	12.75	5.12	11.81	4.78	11.46	4.74	10.87	4.69	10.63	4.64	
	-9.5	-10	13.59	5.26	13.46	5.21	12.47	4.87	12.09	4.82	11.47	4.77	11.22	4.72	
	-8.5	-9.1	14.30	5.39	14.17	5.34	13.12	4.99	12.73	4.94	12.07	4.89	11.81	4.84	
	-7	-7.6	16.69	5.53	16.53	5.47	15.31	5.12	14.85	5.07	14.08	5.01	13.78	4.96	
	-5	-5.6	17.88	5.75	17.71	5.70	16.40	5.32	15.91	5.27	15.09	5.22	14.76	5.17	
	-3	-3.7	19.07	6.07	18.90	6.01	17.50	5.62	16.97	5.56	16.10	5.50	15.75	5.45	
	0	-0.7	20.98	5.93	20.79	5.88	19.25	5.49	18.67	5.44	17.71	5.38	17.32	5.33	
	3	2.2	22.65	5.39	22.44	5.34	20.78	4.99	20.15	4.94	19.11	4.89	18.70	4.84	
	5	4.1	23.12	5.17	22.91	5.12	21.21	4.78	20.58	4.74	19.52	4.69	19.09	4.64	
	7	6	23.84	4.49	23.62	4.45	21.87	4.16	21.21	4.12	20.12	4.08	19.68	4.04	
	9	7.9	24.32	4.45	24.09	4.41	22.31	4.12	21.64	4.08	20.52	4.04	20.08	3.99	
	11	9.8	24.32	4.40	24.09	4.36	22.31	4.08	21.64	4.04	20.52	4.00	20.08	3.95	
	13	11.8	24.32	4.38	24.09	4.34	22.31	4.06	21.64	4.02	20.52	3.97	20.08	3.93	
15	13.7	24.32	4.36	24.09	4.32	22.31	4.04	21.64	3.99	20.52	3.95	20.08	3.91		
19	14.2	24.54	4.34	24.09	4.30	22.31	4.01	21.64	3.97	20.52	3.93	20.08	3.89		
21	15	24.54	4.31	24.09	4.27	22.31	3.99	21.64	3.95	20.52	3.91	20.08	3.87		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT008173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.9	-23	6.69	4.21	6.63	4.17	6.13	3.89	5.95	3.86	5.64	3.82	5.52	3.78	
	-18.8	-19	8.36	4.27	8.28	4.23	7.67	3.95	7.44	3.91	7.05	3.87	6.90	3.83	
	-14.7	-15	9.40	4.44	9.32	4.40	8.63	4.11	8.37	4.07	7.94	4.03	7.76	3.99	
	-12.6	-13	10.45	4.48	10.35	4.44	9.59	4.15	9.30	4.11	8.82	4.07	8.63	4.03	
	-10.5	-11	11.28	4.52	11.18	4.48	10.35	4.19	10.04	4.14	9.52	4.10	9.32	4.06	
	-9.5	-10	11.91	4.60	11.80	4.56	10.93	4.26	10.60	4.22	10.05	4.17	9.83	4.13	
	-8.5	-9.1	12.54	4.72	12.42	4.67	11.50	4.37	11.16	4.32	10.58	4.28	10.35	4.24	
	-7	-7.6	14.63	4.84	14.49	4.79	13.42	4.48	13.02	4.43	12.35	4.39	12.08	4.34	
	-5	-5.6	15.67	5.03	15.53	4.99	14.38	4.66	13.95	4.61	13.23	4.57	12.94	4.52	
	-3	-3.7	16.72	5.31	16.56	5.26	15.34	4.91	14.88	4.86	14.11	4.82	13.80	4.77	
	0	-0.7	18.39	5.19	18.22	5.14	16.87	4.80	16.36	4.76	15.52	4.71	15.18	4.66	
	3	2.2	19.85	4.72	19.67	4.67	18.21	4.37	17.67	4.32	16.75	4.28	16.39	4.24	
	5	4.1	20.27	4.52	20.08	4.48	18.59	4.19	18.04	4.14	17.11	4.10	16.74	4.06	
	7	6	20.90	3.93	20.70	3.89	19.17	3.64	18.59	3.60	17.64	3.57	17.25	3.53	
	9	7.9	21.31	3.89	21.12	3.86	19.55	3.60	18.97	3.57	17.99	3.53	17.60	3.50	
	11	9.8	21.31	3.85	21.12	3.82	19.55	3.57	18.97	3.53	17.99	3.50	17.60	3.46	
	13	11.8	21.31	3.83	21.12	3.80	19.55	3.55	18.97	3.51	17.99	3.48	17.60	3.44	
	15	13.7	21.31	3.81	21.12	3.78	19.55	3.53	18.97	3.50	17.99	3.46	17.60	3.42	
19	14.2	21.51	3.79	21.12	3.76	19.55	3.51	18.97	3.48	17.99	3.44	17.60	3.41		
21	15	21.51	3.77	21.12	3.74	19.55	3.49	18.97	3.46	17.99	3.42	17.60	3.39		
60%	-22.9	-23	5.65	3.73	5.60	3.69	5.18	3.45	5.03	3.42	4.77	3.38	4.67	3.35	
	-18.8	-19	7.06	3.78	7.00	3.74	6.48	3.50	6.29	3.46	5.96	3.43	5.83	3.39	
	-14.7	-15	7.95	3.93	7.87	3.90	7.29	3.64	7.07	3.61	6.71	3.57	6.56	3.53	
	-12.6	-13	8.83	3.97	8.75	3.93	8.10	3.68	7.86	3.64	7.45	3.60	7.29	3.57	
	-10.5	-11	9.54	4.00	9.45	3.97	8.75	3.71	8.49	3.67	8.05	3.63	7.87	3.60	
	-9.5	-10	10.07	4.07	9.97	4.04	9.23	3.77	8.96	3.73	8.50	3.70	8.31	3.66	
	-8.5	-9.1	10.59	4.18	10.50	4.14	9.72	3.87	9.43	3.83	8.94	3.79	8.75	3.75	
	-7	-7.6	12.36	4.28	12.25	4.24	11.34	3.97	11.00	3.93	10.43	3.89	10.21	3.85	
	-5	-5.6	13.24	4.46	13.12	4.42	12.15	4.13	11.79	4.09	11.18	4.04	10.94	4.00	
	-3	-3.7	14.13	4.70	14.00	4.66	12.96	4.35	12.57	4.31	11.92	4.27	11.66	4.22	
	0	-0.7	15.54	4.60	15.40	4.55	14.26	4.26	13.83	4.21	13.12	4.17	12.83	4.13	
	3	2.2	16.78	4.18	16.62	4.14	15.39	3.87	14.93	3.83	14.16	3.79	13.85	3.75	
	5	4.1	17.13	4.00	16.97	3.97	15.71	3.71	15.24	3.67	14.46	3.63	14.14	3.60	
	7	6	17.66	3.48	17.50	3.45	16.20	3.22	15.71	3.19	14.90	3.16	14.58	3.13	
	9	7.9	18.01	3.45	17.85	3.42	16.52	3.19	16.03	3.16	15.20	3.13	14.87	3.10	
	11	9.8	18.01	3.41	17.85	3.38	16.52	3.16	16.03	3.13	15.20	3.10	14.87	3.06	
	13	11.8	18.01	3.39	17.85	3.36	16.52	3.14	16.03	3.11	15.20	3.08	14.87	3.05	
	15	13.7	18.01	3.38	17.85	3.35	16.52	3.13	16.03	3.10	15.20	3.06	14.87	3.03	
19	14.2	18.18	3.36	17.85	3.33	16.52	3.11	16.03	3.08	15.20	3.05	14.87	3.02		
21	15	18.18	3.34	17.85	3.31	16.52	3.10	16.03	3.06	15.20	3.03	14.87	3.00		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT008173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.9	-23	4.71	3.31	4.67	3.27	4.32	3.06	4.19	3.03	3.97	3.00	3.89	2.97	
	-18.8	-19	5.89	3.35	5.83	3.32	5.40	3.10	5.24	3.07	4.97	3.04	4.86	3.01	
	-14.7	-15	6.62	3.49	6.56	3.46	6.08	3.23	5.89	3.20	5.59	3.17	5.47	3.13	
	-12.6	-13	7.36	3.52	7.29	3.49	6.75	3.26	6.55	3.23	6.21	3.20	6.08	3.16	
	-10.5	-11	7.95	3.55	7.87	3.52	7.29	3.29	7.07	3.26	6.71	3.22	6.56	3.19	
	-9.5	-10	8.39	3.61	8.31	3.58	7.70	3.35	7.46	3.31	7.08	3.28	6.93	3.25	
	-8.5	-9.1	8.83	3.71	8.75	3.67	8.10	3.43	7.86	3.40	7.45	3.36	7.29	3.33	
	-7	-7.6	10.30	3.80	10.21	3.76	9.45	3.52	9.17	3.48	8.69	3.45	8.51	3.41	
	-5	-5.6	11.04	3.95	10.94	3.92	10.13	3.66	9.82	3.62	9.32	3.59	9.11	3.55	
	-3	-3.7	11.77	4.17	11.66	4.13	10.80	3.86	10.48	3.82	9.94	3.78	9.72	3.75	
	0	-0.7	12.95	4.08	12.83	4.04	11.88	3.78	11.52	3.74	10.93	3.70	10.69	3.66	
	3	2.2	13.98	3.71	13.85	3.67	12.83	3.43	12.44	3.40	11.80	3.36	11.54	3.33	
	5	4.1	14.27	3.55	14.14	3.52	13.10	3.29	12.70	3.26	12.05	3.22	11.79	3.19	
	7	6	14.72	3.09	14.58	3.06	13.50	2.86	13.10	2.83	12.42	2.80	12.15	2.77	
	9	7.9	15.01	3.06	14.87	3.03	13.77	2.83	13.36	2.80	12.67	2.77	12.39	2.75	
	11	9.8	15.01	3.03	14.87	3.00	13.77	2.80	13.36	2.77	12.67	2.75	12.39	2.72	
	13	11.8	15.01	3.01	14.87	2.98	13.77	2.79	13.36	2.76	12.67	2.73	12.39	2.70	
15	13.7	15.01	3.00	14.87	2.97	13.77	2.77	13.36	2.75	12.67	2.72	12.39	2.69		
19	14.2	15.15	2.98	14.87	2.95	13.77	2.76	13.36	2.73	12.67	2.70	12.39	2.68		
21	15	15.15	2.97	14.87	2.94	13.77	2.75	13.36	2.72	12.67	2.69	12.39	2.66		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT010173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.9	-23	11.43	7.06	11.32	7.00	10.48	6.54	10.17	6.47	9.64	6.41	9.43	6.34	
	-18.8	-19	14.28	7.16	14.15	7.09	13.10	6.63	12.71	6.56	12.06	6.50	11.79	6.43	
	-14.7	-15	16.07	7.46	15.92	7.39	14.74	6.91	14.30	6.84	13.56	6.77	13.27	6.70	
	-12.6	-13	17.85	7.52	17.69	7.45	16.38	6.97	15.89	6.90	15.07	6.83	14.74	6.76	
	-10.5	-11	19.28	7.59	19.11	7.52	17.69	7.03	17.16	6.96	16.28	6.89	15.92	6.82	
	-9.5	-10	20.35	7.72	20.17	7.65	18.67	7.15	18.11	7.08	17.18	7.01	16.81	6.94	
	-8.5	-9.1	21.43	7.92	21.23	7.85	19.66	7.33	19.07	7.26	18.08	7.19	17.69	7.11	
	-7	-7.6	25.00	8.12	24.77	8.04	22.93	7.52	22.24	7.44	21.10	7.37	20.64	7.29	
	-5	-5.6	26.78	8.45	26.54	8.37	24.57	7.82	23.83	7.74	22.60	7.67	22.11	7.59	
	-3	-3.7	28.57	8.91	26.54	8.83	26.21	8.25	25.42	8.17	24.11	8.08	23.59	8.00	
	0	-0.7	31.42	8.71	28.30	8.63	28.83	8.07	27.96	7.99	26.52	7.91	25.95	7.82	
	3	2.2	33.92	7.92	31.14	7.85	31.12	7.33	30.19	7.26	28.63	7.19	28.01	7.11	
	5	4.1	34.64	7.59	33.61	7.52	31.78	7.03	30.82	6.96	29.24	6.89	28.60	6.82	
	7	6	35.71	6.60	34.32	6.54	32.76	6.11	31.78	6.05	30.14	5.99	29.48	5.93	
	9	7.9	36.42	6.53	35.38	6.47	33.42	6.05	32.41	5.99	30.74	5.93	30.07	5.87	
	11	9.8	36.42	6.47	36.09	6.41	33.42	5.99	32.41	5.93	30.74	5.87	30.07	5.81	
	13	11.8	36.42	6.43	36.09	6.38	33.42	5.96	32.41	5.90	30.74	5.84	30.07	5.78	
15	13.7	36.42	6.40	36.09	6.34	33.42	5.93	32.41	5.87	30.74	5.81	30.07	5.75		
19	14.2	36.76	6.37	36.09	6.31	33.42	5.90	32.41	5.84	30.74	5.78	30.07	5.72		
21	15	36.76	6.34	36.09	6.28	33.42	5.87	32.41	5.81	30.74	5.75	30.07	5.69		
120%	-22.9	-23	11.32	7.13	11.21	7.07	10.38	6.61	10.07	6.54	9.55	6.47	9.34	6.41	
	-18.8	-19	14.15	7.23	14.02	7.17	12.98	6.70	12.59	6.63	11.94	6.56	11.68	6.50	
	-14.7	-15	15.91	7.53	15.77	7.46	14.60	6.98	14.16	6.91	13.43	6.84	13.14	6.77	
	-12.6	-13	17.68	7.60	17.52	7.53	16.22	7.04	15.74	6.97	14.92	6.90	14.60	6.83	
	-10.5	-11	19.10	7.67	18.92	7.60	17.52	7.10	16.99	7.03	16.12	6.96	15.77	6.89	
	-9.5	-10	20.16	7.80	19.97	7.73	18.49	7.22	17.94	7.15	17.01	7.08	16.64	7.01	
	-8.5	-9.1	21.22	8.00	21.02	7.93	19.47	7.41	18.88	7.33	17.91	7.26	17.52	7.19	
	-7	-7.6	24.76	8.20	24.53	8.13	22.71	7.59	22.03	7.52	20.89	7.44	20.44	7.37	
	-5	-5.6	26.52	8.53	26.28	8.46	24.33	7.90	23.60	7.82	22.39	7.74	21.90	7.67	
	-3	-3.7	28.29	9.00	26.28	8.92	25.96	8.33	25.18	8.25	23.88	8.17	23.36	8.08	
	0	-0.7	31.12	8.80	28.03	8.72	28.55	8.15	27.70	8.07	26.27	7.99	25.70	7.91	
	3	2.2	33.60	8.00	30.84	7.93	30.82	7.41	29.90	7.33	28.36	7.26	27.74	7.19	
	5	4.1	34.30	7.67	33.29	7.60	31.47	7.10	30.53	7.03	28.95	6.96	28.32	6.89	
	7	6	35.37	6.67	33.99	6.61	32.45	6.17	31.47	6.11	29.85	6.05	29.20	5.99	
	9	7.9	36.07	6.60	35.04	6.54	33.09	6.11	32.10	6.05	30.45	5.99	29.78	5.93	
	11	9.8	36.07	6.53	35.74	6.47	33.09	6.05	32.10	5.99	30.45	5.93	29.78	5.87	
	13	11.8	36.07	6.50	35.74	6.44	33.09	6.02	32.10	5.96	30.45	5.90	29.78	5.84	
15	13.7	36.07	6.47	35.74	6.41	33.09	5.99	32.10	5.93	30.45	5.87	29.78	5.81		
19	14.2	36.40	6.43	35.74	6.37	33.09	5.96	32.10	5.90	30.45	5.84	29.78	5.78		
21	15	36.40	6.40	35.74	6.34	33.09	5.93	32.10	5.87	30.45	5.81	29.78	5.75		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT010173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.9	-23	11.10	7.21	11.00	7.14	10.18	6.67	9.88	6.61	9.37	6.54	9.16	6.47	
	-18.8	-19	13.87	7.31	13.74	7.24	12.73	6.77	12.34	6.70	11.71	6.63	11.45	6.56	
	-14.7	-15	15.61	7.61	15.46	7.54	14.32	7.05	13.89	6.98	13.17	6.91	12.89	6.84	
	-12.6	-13	17.34	7.68	17.18	7.61	15.91	7.11	15.43	7.04	14.63	6.97	14.32	6.90	
	-10.5	-11	18.73	7.75	18.55	7.67	17.18	7.17	16.66	7.10	15.81	7.03	15.46	6.96	
	-9.5	-10	19.77	7.88	19.59	7.81	18.13	7.30	17.59	7.22	16.68	7.15	16.32	7.08	
	-8.5	-9.1	20.81	8.08	20.62	8.01	19.09	7.48	18.52	7.41	17.56	7.33	17.18	7.26	
	-7	-7.6	24.27	8.29	24.05	8.21	22.27	7.67	21.60	7.59	20.49	7.52	20.04	7.44	
	-5	-5.6	26.01	8.62	25.77	8.54	23.86	7.98	23.15	7.90	21.95	7.82	21.48	7.74	
	-3	-3.7	27.74	9.09	25.77	9.01	25.45	8.42	24.69	8.34	23.42	8.25	22.91	8.17	
	0	-0.7	30.52	8.89	27.49	8.81	28.00	8.23	27.16	8.15	25.76	8.07	25.20	7.99	
	3	2.2	32.94	8.08	30.24	8.01	30.22	7.48	29.32	7.41	27.81	7.33	27.20	7.26	
	5	4.1	33.64	7.75	32.64	7.67	30.86	7.17	29.93	7.10	28.39	7.03	27.77	6.96	
	7	6	34.68	6.74	33.33	6.67	31.82	6.24	30.86	6.17	29.27	6.11	28.63	6.05	
	9	7.9	35.37	6.67	34.36	6.61	32.45	6.17	31.48	6.11	29.86	6.05	29.21	5.99	
	11	9.8	35.37	6.60	35.05	6.54	32.45	6.11	31.48	6.05	29.86	5.99	29.21	5.93	
	13	11.8	35.37	6.57	35.05	6.51	32.45	6.08	31.48	6.02	29.86	5.96	29.21	5.90	
	15	13.7	35.37	6.53	35.05	6.47	32.45	6.05	31.48	5.99	29.86	5.93	29.21	5.87	
19	14.2	35.70	6.50	35.05	6.44	32.45	6.02	31.48	5.96	29.86	5.90	29.21	5.84		
21	15	35.70	6.47	35.05	6.41	32.45	5.99	31.48	5.93	29.86	5.87	29.21	5.81		
100%	-22.9	-23	10.99	7.28	10.89	7.21	10.08	6.74	9.78	6.67	9.27	6.61	9.07	6.54	
	-18.8	-19	13.73	7.38	13.61	7.31	12.60	6.84	12.22	6.77	11.59	6.70	11.34	6.63	
	-14.7	-15	15.45	7.69	15.31	7.62	14.18	7.12	13.75	7.05	13.04	6.98	12.76	6.91	
	-12.6	-13	17.17	7.76	17.01	7.68	15.75	7.18	15.28	7.11	14.49	7.04	14.18	6.97	
	-10.5	-11	18.54	7.82	18.37	7.75	17.01	7.25	16.50	7.17	15.65	7.10	15.31	7.03	
	-9.5	-10	19.57	7.96	19.39	7.89	17.96	7.37	17.42	7.30	16.52	7.22	16.16	7.15	
	-8.5	-9.1	20.60	8.16	20.41	8.09	18.90	7.56	18.33	7.48	17.39	7.41	17.01	7.33	
	-7	-7.6	24.03	8.37	23.81	8.29	22.05	7.75	21.39	7.67	20.29	7.59	19.85	7.52	
	-5	-5.6	25.75	8.71	25.52	8.63	23.63	8.06	22.92	7.98	21.74	7.90	21.26	7.82	
	-3	-3.7	27.47	9.19	27.22	9.10	25.20	8.51	24.44	8.42	23.18	8.33	22.68	8.25	
	0	-0.7	30.21	8.98	29.94	8.90	27.72	8.32	26.89	8.23	25.50	8.15	24.95	8.07	
	3	2.2	32.62	8.16	32.32	8.09	29.93	7.56	29.03	7.48	27.53	7.41	26.93	7.33	
	5	4.1	33.30	7.82	33.00	7.75	30.56	7.25	29.64	7.17	28.11	7.10	27.50	7.03	
	7	6	34.34	6.80	34.02	6.74	31.50	6.30	30.56	6.24	28.98	6.17	28.35	6.11	
	9	7.9	35.02	6.74	34.70	6.67	32.13	6.24	31.17	6.17	29.56	6.11	28.92	6.05	
	11	9.8	35.02	6.67	34.70	6.61	32.13	6.17	31.17	6.11	29.56	6.05	28.92	5.99	
	13	11.8	35.02	6.63	34.70	6.57	32.13	6.14	31.17	6.08	29.56	6.02	28.92	5.96	
	15	13.7	35.02	6.60	34.70	6.54	32.13	6.11	31.17	6.05	29.56	5.99	28.92	5.93	
19	14.2	35.34	6.57	34.70	6.51	32.13	6.08	31.17	6.02	29.56	5.96	28.92	5.90		
21	15	35.34	6.53	34.70	6.47	32.13	6.05	31.17	5.99	29.56	5.93	28.92	5.87		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT010173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.9	-23	10.00	5.00	9.91	6.56	9.17	6.13	8.90	6.07	8.44	6.01	8.26	5.95	
	-18.8	-19	12.50	6.72	12.38	6.66	11.47	6.22	11.12	6.16	10.55	6.10	10.32	6.03	
	-14.7	-15	14.06	7.00	13.93	6.93	12.90	6.48	12.51	6.41	11.87	6.35	11.61	6.28	
	-12.6	-13	15.62	7.06	15.48	6.99	14.33	6.54	13.90	6.47	13.19	6.40	12.90	6.34	
	-10.5	-11	16.87	7.12	16.72	7.05	15.48	6.59	15.01	6.53	14.24	6.46	13.93	6.40	
	-9.5	-10	17.81	7.24	17.65	7.18	16.34	6.71	15.85	6.64	15.03	6.57	14.71	6.51	
	-8.5	-9.1	18.75	7.43	18.57	7.36	17.20	6.88	16.68	6.81	15.82	6.74	15.48	6.67	
	-7	-7.6	21.87	7.62	21.67	7.55	20.07	7.05	19.46	6.98	18.46	6.91	18.06	6.84	
	-5	-5.6	23.43	7.93	23.22	7.85	21.50	7.34	20.85	7.26	19.78	7.19	19.35	7.12	
	-3	-3.7	25.00	8.36	23.22	8.28	22.93	7.74	22.24	7.66	21.10	7.58	20.64	7.51	
	0	-0.7	27.50	8.17	24.77	8.10	25.23	7.57	24.47	7.49	23.21	7.42	22.70	7.34	
	3	2.2	29.68	7.43	27.24	7.36	27.23	6.88	26.41	6.81	25.05	6.74	24.51	6.67	
	5	4.1	30.31	7.12	29.41	7.05	27.81	6.59	26.97	6.53	25.58	6.46	25.02	6.40	
	7	6	31.24	6.19	30.03	6.13	28.67	5.73	27.81	5.68	26.37	5.62	25.80	5.56	
	9	7.9	31.87	6.13	30.96	6.07	29.24	5.68	28.36	5.62	26.90	5.56	26.31	5.51	
	11	9.8	31.87	6.07	31.58	6.01	29.24	5.62	28.36	5.56	26.90	5.51	26.31	5.45	
	13	11.8	31.87	6.04	31.58	5.98	29.24	5.59	28.36	5.53	26.90	5.48	26.31	5.42	
	15	13.7	31.87	6.01	31.58	5.95	29.24	5.56	28.36	5.51	26.90	5.45	26.31	5.39	
19	14.2	32.16	5.97	31.58	5.92	29.24	5.53	28.36	5.48	26.90	5.42	26.31	5.37		
21	15	32.16	5.94	31.58	5.89	29.24	5.50	28.36	5.45	26.90	5.39	26.31	5.34		
80%	-22.9	-23	9.01	5.97	8.93	5.91	8.27	5.53	8.02	5.47	7.60	5.42	7.44	5.36	
	-18.8	-19	11.26	6.05	11.16	6.00	10.33	5.61	10.02	5.55	9.51	5.49	9.30	5.44	
	-14.7	-15	12.67	6.30	12.55	6.25	11.62	5.84	11.27	5.78	10.69	5.72	10.46	5.66	
	-12.6	-13	14.08	6.36	13.95	6.30	12.92	5.89	12.53	5.83	11.88	5.77	11.62	5.71	
	-10.5	-11	15.20	6.42	15.06	6.36	13.95	5.94	13.53	5.88	12.83	5.82	12.55	5.76	
	-9.5	-10	16.05	6.53	15.90	6.47	14.72	6.04	14.28	5.98	13.55	5.92	13.25	5.86	
	-8.5	-9.1	16.89	6.70	16.74	6.63	15.50	6.20	15.03	6.14	14.26	6.08	13.95	6.01	
	-7	-7.6	19.71	6.86	19.53	6.80	18.08	6.35	17.54	6.29	16.63	6.23	16.27	6.16	
	-5	-5.6	21.12	7.14	20.92	7.08	19.37	6.61	18.79	6.55	17.82	6.48	17.44	6.41	
	-3	-3.7	22.52	7.53	20.92	7.46	20.66	6.97	20.04	6.90	19.01	6.83	18.60	6.76	
	0	-0.7	24.78	7.36	22.32	7.30	22.73	6.82	22.05	6.75	20.91	6.68	20.46	6.61	
	3	2.2	26.75	6.70	24.55	6.63	24.54	6.20	23.80	6.14	22.58	6.08	22.08	6.01	
	5	4.1	27.31	6.42	26.50	6.36	25.06	5.94	24.30	5.88	23.05	5.82	22.55	5.76	
	7	6	28.15	5.58	27.06	5.53	25.83	5.17	25.06	5.11	23.76	5.06	23.25	5.01	
	9	7.9	28.72	5.52	27.90	5.47	26.35	5.11	25.56	5.06	24.24	5.01	23.71	4.96	
	11	9.8	28.72	5.47	28.45	5.42	26.35	5.06	25.56	5.01	24.24	4.96	23.71	4.91	
	13	11.8	28.72	5.44	28.45	5.39	26.35	5.04	25.56	4.99	24.24	4.94	23.71	4.89	
	15	13.7	28.72	5.41	28.45	5.36	26.35	5.01	25.56	4.96	24.24	4.91	23.71	4.86	
19	14.2	28.98	5.38	28.45	5.33	26.35	4.99	25.56	4.94	24.24	4.89	23.71	4.84		
21	15	28.98	5.36	28.45	5.31	26.35	4.96	25.56	4.91	24.24	4.86	23.71	4.81		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT010173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
70%	-22.9	-23	7.91	5.17	7.84	5.12	7.26	4.79	7.04	4.74	6.68	4.69	6.53	4.64	
	-18.8	-19	9.89	5.24	9.80	5.19	9.07	4.85	8.80	4.80	8.35	4.76	8.16	4.71	
	-14.7	-15	11.12	5.46	11.02	5.41	10.21	5.05	9.90	5.00	9.39	4.95	9.19	4.90	
	-12.6	-13	12.36	5.51	12.25	5.46	11.34	5.10	11.00	5.05	10.43	5.00	10.21	4.95	
	-10.5	-11	13.35	5.56	13.23	5.50	12.25	5.14	11.88	5.09	11.27	5.04	11.02	4.99	
	-9.5	-10	14.09	5.65	13.96	5.60	12.93	5.23	12.54	5.18	11.89	5.13	11.63	5.08	
	-8.5	-9.1	14.83	5.80	14.70	5.74	13.61	5.37	13.20	5.31	12.52	5.26	12.25	5.21	
	-7	-7.6	17.30	5.94	17.15	5.89	15.88	5.50	15.40	5.45	14.61	5.39	14.29	5.34	
	-5	-5.6	18.54	6.18	18.37	6.13	17.01	5.73	16.50	5.67	15.65	5.61	15.31	5.55	
	-3	-3.7	19.78	6.52	18.37	6.46	18.14	6.04	17.60	5.98	16.69	5.92	16.33	5.86	
	0	-0.7	21.75	6.38	19.60	6.32	19.96	5.90	19.36	5.85	18.36	5.79	17.96	5.73	
	3	2.2	23.49	5.80	21.56	5.74	21.55	5.37	20.90	5.31	19.82	5.26	19.39	5.21	
	5	4.1	23.98	5.56	23.27	5.50	22.00	5.14	21.34	5.09	20.24	5.04	19.80	4.99	
	7	6	24.72	4.83	23.76	4.79	22.68	4.47	22.00	4.43	20.87	4.38	20.41	4.34	
	9	7.9	25.22	4.78	24.49	4.74	23.13	4.43	22.44	4.38	21.28	4.34	20.82	4.30	
	11	9.8	25.22	4.73	24.98	4.69	23.13	4.38	22.44	4.34	21.28	4.30	20.82	4.25	
	13	11.8	25.22	4.71	24.98	4.67	23.13	4.36	22.44	4.32	21.28	4.27	20.82	4.23	
15	13.7	25.22	4.69	24.98	4.64	23.13	4.34	22.44	4.30	21.28	4.25	20.82	4.21		
19	14.2	25.45	4.66	24.98	4.62	23.13	4.32	22.44	4.27	21.28	4.23	20.82	4.19		
21	15	25.45	4.64	24.98	4.59	23.13	4.29	22.44	4.25	21.28	4.21	20.82	4.17		
60%	-22.9	-23	6.59	4.51	6.53	4.47	6.05	4.18	5.87	4.14	5.56	4.10	5.44	4.05	
	-18.8	-19	8.24	4.58	8.16	4.53	7.56	4.24	7.33	4.20	6.96	4.15	6.80	4.11	
	-14.7	-15	9.27	4.77	9.19	4.72	8.51	4.41	8.25	4.37	7.82	4.33	7.65	4.28	
	-12.6	-13	10.30	4.81	10.21	4.76	9.45	4.45	9.17	4.41	8.69	4.36	8.51	4.32	
	-10.5	-11	11.12	4.85	11.02	4.81	10.21	4.49	9.90	4.45	9.39	4.40	9.19	4.36	
	-9.5	-10	11.74	4.94	11.63	4.89	10.77	4.57	10.45	4.52	9.91	4.48	9.70	4.43	
	-8.5	-9.1	12.36	5.06	12.25	5.02	11.34	4.69	11.00	4.64	10.43	4.59	10.21	4.55	
	-7	-7.6	14.42	5.19	14.29	5.14	13.23	4.80	12.83	4.76	12.17	4.71	11.91	4.66	
	-5	-5.6	15.45	5.40	15.31	5.35	14.18	5.00	13.75	4.95	13.04	4.90	12.76	4.85	
	-3	-3.7	16.48	5.69	15.31	5.64	15.12	5.27	14.67	5.22	13.91	5.17	13.61	5.11	
	0	-0.7	18.13	5.57	16.33	5.52	16.63	5.16	16.13	5.10	15.30	5.05	14.97	5.00	
	3	2.2	19.57	5.06	17.96	5.02	17.96	4.69	17.42	4.64	16.52	4.59	16.16	4.55	
	5	4.1	19.98	4.85	19.39	4.81	18.33	4.49	17.78	4.45	16.87	4.40	16.50	4.36	
	7	6	20.60	4.22	19.80	4.18	18.90	3.91	18.33	3.87	17.39	3.83	17.01	3.79	
	9	7.9	21.01	4.18	20.41	4.14	19.28	3.87	18.70	3.83	17.74	3.79	17.35	3.75	
	11	9.8	21.01	4.13	20.82	4.10	19.28	3.83	18.70	3.79	17.74	3.75	17.35	3.71	
	13	11.8	21.01	4.11	20.82	4.07	19.28	3.81	18.70	3.77	17.74	3.73	17.35	3.69	
15	13.7	21.01	4.09	20.82	4.05	19.28	3.79	18.70	3.75	17.74	3.71	17.35	3.68		
19	14.2	21.21	4.07	20.82	4.03	19.28	3.77	18.70	3.73	17.74	3.69	17.35	3.66		
21	15	21.21	4.05	20.82	4.01	19.28	3.75	18.70	3.71	17.74	3.67	17.35	3.64		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT010173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.9	-23	5.71	3.86	5.66	3.82	5.24	3.57	5.08	3.54	4.82	3.50	4.72	3.47	
	-18.8	-19	7.14	3.91	7.08	3.88	6.55	3.62	6.36	3.59	6.03	3.55	5.90	3.51	
	-14.7	-15	8.03	4.07	7.96	4.04	7.37	3.77	7.15	3.74	6.78	3.70	6.63	3.66	
	-12.6	-13	8.93	4.11	8.85	4.07	8.19	3.81	7.94	3.77	7.53	3.73	7.37	3.69	
	-10.5	-11	9.64	4.15	9.55	4.11	8.85	3.84	8.58	3.80	8.14	3.76	7.96	3.72	
	-9.5	-10	10.18	4.22	10.08	4.18	9.34	3.91	9.06	3.87	8.59	3.83	8.40	3.79	
	-8.5	-9.1	10.71	4.33	10.61	4.29	9.83	4.01	9.53	3.97	9.04	3.93	8.85	3.89	
	-7	-7.6	12.50	4.44	12.38	4.39	11.47	4.11	11.12	4.07	10.55	4.02	10.32	3.98	
	-5	-5.6	13.39	4.62	13.27	4.57	12.29	4.27	11.92	4.23	11.30	4.19	11.06	4.15	
	-3	-3.7	14.28	4.87	13.27	4.82	13.10	4.51	12.71	4.46	12.06	4.42	11.79	4.37	
	0	-0.7	15.71	4.76	14.15	4.72	14.41	4.41	13.98	4.36	13.26	4.32	12.97	4.28	
	3	2.2	16.96	4.33	15.57	4.29	15.56	4.01	15.09	3.97	14.32	3.93	14.00	3.89	
	5	4.1	17.32	4.15	16.81	4.11	15.89	3.84	15.41	3.80	14.62	3.76	14.30	3.72	
	7	6	17.85	3.61	17.16	3.57	16.38	3.34	15.89	3.31	15.07	3.27	14.74	3.24	
	9	7.9	18.21	3.57	17.69	3.54	16.71	3.31	16.21	3.27	15.37	3.24	15.04	3.21	
	11	9.8	18.21	3.53	18.04	3.50	16.71	3.27	16.21	3.24	15.37	3.21	15.04	3.17	
	13	11.8	18.21	3.52	18.04	3.48	16.71	3.26	16.21	3.22	15.37	3.19	15.04	3.16	
15	13.7	18.21	3.50	18.04	3.47	16.71	3.24	16.21	3.21	15.37	3.17	15.04	3.14		
19	14.2	18.38	3.48	18.04	3.45	16.71	3.22	16.21	3.19	15.37	3.16	15.04	3.13		
21	15	18.38	3.46	18.04	3.43	16.71	3.21	16.21	3.17	15.37	3.14	15.04	3.11		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT012173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	17.85	11.55	17.69	11.44	16.38	10.69	15.89	10.58	15.07	10.48	14.74	10.37	
	-18.80	-19.00	20.40	11.71	20.22	11.60	18.72	10.84	18.16	10.73	17.22	10.62	16.85	10.52	
	-14.7	-15	22.96	12.19	22.74	12.08	21.06	11.29	20.43	11.18	19.38	11.06	18.95	10.95	
	-12.6	-13	25.51	12.30	25.27	12.19	23.40	11.39	22.70	11.28	21.53	11.16	21.06	11.05	
	-10.5	-11	27.55	12.41	27.29	12.29	25.27	11.49	24.51	11.37	23.25	11.26	22.74	11.14	
	-9.5	-10	29.08	12.62	28.81	12.51	26.68	11.69	25.88	11.57	24.54	11.46	24.01	11.34	
	-8.5	-9.1	30.61	12.95	30.33	12.83	28.08	11.99	27.24	11.87	25.83	11.75	25.27	11.63	
	-7	-7.6	35.71	13.27	35.38	13.15	32.76	12.29	31.78	12.17	30.14	12.04	29.48	11.92	
	-5	-5.6	38.26	13.81	37.91	13.68	35.10	12.79	34.05	12.66	32.29	12.53	31.59	12.40	
	-3	-3.7	40.81	14.57	40.44	14.43	37.44	13.49	36.32	13.35	34.44	13.22	33.70	13.08	
	0	-0.7	44.89	14.24	44.48	14.11	41.18	13.19	39.95	13.06	37.89	12.92	37.07	12.79	
	3	2.2	48.46	12.95	48.02	12.83	44.46	11.99	43.13	11.87	40.90	11.75	40.01	11.63	
	5	4.1	49.48	12.41	49.03	12.29	45.40	11.49	44.03	11.37	41.76	11.26	40.86	11.14	
	7	6	51.01	10.79	50.54	10.69	46.80	9.99	45.40	9.89	43.06	9.79	42.12	9.69	
	9	7.9	52.03	10.68	51.55	10.58	47.74	9.89	46.30	9.79	43.92	9.69	42.96	9.59	
	11	9.8	52.03	10.57	51.55	10.48	47.74	9.79	46.30	9.69	43.92	9.60	42.96	9.50	
	13	11.8	52.03	10.52	51.55	10.42	47.74	9.74	46.30	9.64	43.92	9.55	42.96	9.45	
	15	13.7	52.03	10.47	51.55	10.37	47.74	9.69	46.30	9.59	43.92	9.50	42.96	9.40	
19	14.2	52.51	10.41	51.55	10.32	47.74	9.64	46.30	9.54	43.92	9.45	42.96	9.35		
21	15	52.51	10.36	51.55	10.26	47.74	9.59	46.30	9.50	43.92	9.40	42.96	9.30		
120%	-22.90	-23.00	17.68	11.66	17.52	11.56	16.22	10.80	15.74	10.69	14.92	10.58	14.60	10.48	
	-18.80	-19.00	20.21	11.83	20.02	11.72	18.54	10.95	17.98	10.84	17.06	10.73	16.69	10.62	
	-14.7	-15	22.73	12.32	22.53	12.20	20.86	11.41	20.23	11.29	19.19	11.18	18.77	11.06	
	-12.6	-13	25.26	12.43	25.03	12.31	23.18	11.51	22.48	11.39	21.32	11.28	20.86	11.16	
	-10.5	-11	27.28	12.54	27.03	12.42	25.03	11.61	24.28	11.49	23.03	11.38	22.53	11.26	
	-9.5	-10	28.80	12.75	28.53	12.64	26.42	11.81	25.63	11.69	24.31	11.57	23.78	11.46	
	-8.5	-9.1	30.31	13.08	30.03	12.96	27.81	12.11	26.98	11.99	25.59	11.87	25.03	11.75	
	-7	-7.6	35.37	13.41	35.04	13.28	32.45	12.42	31.47	12.29	29.85	12.17	29.20	12.04	
	-5	-5.6	37.89	13.95	37.54	13.82	34.76	12.92	33.72	12.79	31.98	12.66	31.29	12.53	
	-3	-3.7	40.42	14.72	40.05	14.58	37.08	13.63	35.97	13.49	34.11	13.35	33.37	13.22	
	0	-0.7	44.46	14.39	44.05	14.26	40.79	13.32	39.56	13.19	37.52	13.06	36.71	12.92	
	3	2.2	48.00	13.08	47.56	12.96	44.03	12.11	42.71	11.99	40.51	11.87	39.63	11.75	
	5	4.1	49.01	12.54	48.56	12.42	44.96	11.61	43.61	11.49	41.36	11.38	40.46	11.26	
	7	6	50.52	10.90	50.06	10.80	46.35	10.09	44.96	9.99	42.64	9.89	41.72	9.79	
	9	7.9	51.53	10.79	51.06	10.69	47.28	9.99	45.86	9.89	43.49	9.79	42.55	9.69	
	11	9.8	51.53	10.68	51.06	10.58	47.28	9.89	45.86	9.79	43.49	9.69	42.55	9.60	
	13	11.8	51.53	10.63	51.06	10.53	47.28	9.84	45.86	9.74	43.49	9.64	42.55	9.55	
	15	13.7	51.53	10.57	51.06	10.48	47.28	9.79	45.86	9.69	43.49	9.60	42.55	9.50	
19	14.2	52.00	10.52	51.06	10.42	47.28	9.74	45.86	9.64	43.49	9.55	42.55	9.45		
21	15	52.00	10.47	51.06	10.37	47.28	9.69	45.86	9.59	43.49	9.50	42.55	9.40		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT012173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	17.34	11.78	17.18	11.67	15.91	10.91	15.43	10.80	14.63	10.69	14.32	10.58	
	-18.80	-19.00	19.82	11.95	19.63	11.84	18.18	11.06	17.63	10.95	16.73	10.84	16.36	10.73	
	-14.7	-15	22.29	12.44	22.09	12.33	20.45	11.52	19.84	11.41	18.82	11.29	18.41	11.18	
	-12.6	-13	24.77	12.55	24.54	12.44	22.73	11.62	22.04	11.51	20.91	11.39	20.45	11.28	
	-10.5	-11	26.75	12.66	26.51	12.55	24.54	11.73	23.81	11.61	22.58	11.49	22.09	11.37	
	-9.5	-10	28.24	12.88	27.98	12.77	25.91	11.93	25.13	11.81	23.83	11.69	23.32	11.57	
	-8.5	-9.1	29.72	13.22	29.45	13.09	27.27	12.24	26.45	12.11	25.09	11.99	24.54	11.87	
	-7	-7.6	34.68	13.55	34.36	13.42	31.82	12.54	30.86	12.42	29.27	12.29	28.63	12.17	
	-5	-5.6	37.16	14.10	36.81	13.97	34.09	13.05	33.06	12.92	31.36	12.79	30.68	12.66	
	-3	-3.7	39.63	14.87	39.27	14.73	36.36	13.77	35.27	13.63	33.45	13.49	32.72	13.35	
	0	-0.7	43.60	14.54	43.20	14.40	40.00	13.46	38.80	13.33	36.80	13.19	36.00	13.06	
	3	2.2	47.06	13.22	46.63	13.09	43.18	12.24	41.88	12.11	39.72	11.99	38.86	11.87	
	5	4.1	48.05	12.66	47.61	12.55	44.09	11.73	42.76	11.61	40.56	11.49	39.68	11.37	
	7	6	49.54	11.01	49.09	10.91	45.45	10.20	44.09	10.10	41.81	9.99	40.91	9.89	
	9	7.9	50.53	10.90	50.07	10.80	46.36	10.10	44.97	9.99	42.65	9.89	41.72	9.79	
	11	9.8	50.53	10.79	50.07	10.69	46.36	9.99	44.97	9.89	42.65	9.79	41.72	9.69	
	13	11.8	50.53	10.74	50.07	10.64	46.36	9.94	44.97	9.84	42.65	9.74	41.72	9.64	
	15	13.7	50.53	10.68	50.07	10.58	46.36	9.89	44.97	9.79	42.65	9.69	41.72	9.59	
19	14.2	50.99	10.63	50.07	10.53	46.36	9.84	44.97	9.74	42.65	9.64	41.72	9.54		
21	15	50.99	10.57	50.07	10.47	46.36	9.79	44.97	9.69	42.65	9.59	41.72	9.50		
100%	-22.90	-23.00	17.17	11.90	17.01	11.79	15.75	11.02	15.28	10.91	14.49	10.80	14.18	10.69	
	-18.80	-19.00	19.62	12.07	19.44	11.96	18.00	11.18	17.46	11.06	16.56	10.95	16.20	10.84	
	-14.7	-15	22.07	12.57	21.87	12.45	20.25	11.64	19.64	11.52	18.63	11.41	18.23	11.29	
	-12.6	-13	24.53	12.68	24.30	12.56	22.50	11.74	21.83	11.62	20.70	11.51	20.25	11.39	
	-10.5	-11	26.49	12.79	26.24	12.67	24.30	11.85	23.57	11.73	22.36	11.61	21.87	11.49	
	-9.5	-10	27.96	13.02	27.70	12.89	25.65	12.05	24.88	11.93	23.60	11.81	23.09	11.69	
	-8.5	-9.1	29.43	13.35	29.16	13.23	27.00	12.36	26.19	12.24	24.84	12.11	24.30	11.99	
	-7	-7.6	34.34	13.68	34.02	13.56	31.50	12.67	30.56	12.54	28.98	12.42	28.35	12.29	
	-5	-5.6	36.79	14.24	36.45	14.11	33.75	13.18	32.74	13.05	31.05	12.92	30.38	12.79	
	-3	-3.7	39.24	15.02	38.88	14.88	36.00	13.91	34.92	13.77	33.12	13.63	32.40	13.49	
	0	-0.7	43.16	14.68	42.77	14.55	39.60	13.60	38.41	13.46	36.43	13.32	35.64	13.19	
	3	2.2	46.60	13.35	46.17	13.23	42.75	12.36	41.47	12.24	39.33	12.11	38.48	11.99	
	5	4.1	47.58	12.79	47.14	12.67	43.65	11.85	42.34	11.73	40.16	11.61	39.29	11.49	
	7	6	49.05	11.12	48.60	11.02	45.00	10.30	43.65	10.20	41.40	10.09	40.50	9.99	
	9	7.9	50.03	11.01	49.57	10.91	45.90	10.20	44.52	10.10	42.23	9.99	41.31	9.89	
	11	9.8	50.03	10.90	49.57	10.80	45.90	10.09	44.52	9.99	42.23	9.89	41.31	9.79	
	13	11.8	50.03	10.85	49.57	10.75	45.90	10.04	44.52	9.94	42.23	9.84	41.31	9.74	
	15	13.7	50.03	10.79	49.57	10.69	45.90	9.99	44.52	9.89	42.23	9.79	41.31	9.69	
19	14.2	50.49	10.73	49.57	10.64	45.90	9.94	44.52	9.84	42.23	9.74	41.31	9.64		
21	15	50.49	10.68	49.57	10.58	45.90	9.89	44.52	9.79	42.23	9.69	41.31	9.59		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT012173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
90%	-22.90	-23.00	15.79	10.83	15.65	10.73	14.49	10.03	14.06	9.93	13.33	9.83	13.04	9.73	
	-18.80	-19.00	18.05	10.98	17.88	10.88	16.56	10.17	16.06	10.07	15.24	9.97	14.90	9.86	
	-14.7	-15	20.31	11.44	20.12	11.33	18.63	10.59	18.07	10.49	17.14	10.38	16.77	10.27	
	-12.6	-13	22.56	11.54	22.36	11.43	20.70	10.69	20.08	10.58	19.04	10.47	18.63	10.36	
	-10.5	-11	24.37	11.64	24.14	11.53	22.36	10.78	21.69	10.67	20.57	10.56	20.12	10.46	
	-9.5	-10	25.72	11.84	25.49	11.73	23.60	10.97	22.89	10.86	21.71	10.75	21.24	10.64	
	-8.5	-9.1	27.08	12.15	26.83	12.03	24.84	11.25	24.09	11.14	22.85	11.02	22.36	10.91	
	-7	-7.6	31.59	12.45	31.30	12.34	28.98	11.53	28.11	11.41	26.66	11.30	26.08	11.18	
	-5	-5.6	33.84	12.96	33.53	12.84	31.05	12.00	30.12	11.88	28.57	11.76	27.95	11.64	
	-3	-3.7	36.10	13.67	35.77	13.54	33.12	12.65	32.13	12.53	30.47	12.40	29.81	12.27	
	0	-0.7	39.71	13.36	39.35	13.24	36.43	12.37	35.34	12.25	33.52	12.12	32.79	12.00	
	3	2.2	42.87	12.15	42.48	12.03	39.33	11.25	38.15	11.14	36.18	11.02	35.40	10.91	
	5	4.1	43.77	11.64	43.37	11.53	40.16	10.78	38.95	10.67	36.95	10.56	36.14	10.46	
	7	6	45.13	10.12	44.71	10.03	41.40	9.37	40.16	9.28	38.09	9.19	37.26	9.09	
	9	7.9	46.03	10.02	45.61	9.93	42.23	9.28	40.96	9.19	38.85	9.09	38.01	9.00	
	11	9.8	46.03	9.92	45.61	9.83	42.23	9.19	40.96	9.09	38.85	9.00	38.01	8.91	
	13	11.8	46.03	9.87	45.61	9.78	42.23	9.14	40.96	9.05	38.85	8.96	38.01	8.86	
15	13.7	46.03	9.82	45.61	9.73	42.23	9.09	40.96	9.00	38.85	8.91	38.01	8.82		
19	14.2	46.45	9.77	45.61	9.68	42.23	9.04	40.96	8.95	38.85	8.86	38.01	8.77		
21	15	46.45	9.72	45.61	9.63	42.23	9.00	40.96	8.91	38.85	8.82	38.01	8.73		
80%	-22.90	-23.00	13.91	8.77	13.78	8.69	12.76	8.12	12.37	8.04	11.74	7.96	11.48	7.88	
	-18.80	-19.00	15.89	8.90	15.75	8.81	14.58	8.24	14.14	8.16	13.41	8.07	13.12	7.99	
	-14.7	-15	17.88	9.27	17.71	9.18	16.40	8.58	15.91	8.49	15.09	8.41	14.76	8.32	
	-12.6	-13	19.87	9.35	19.68	9.26	18.23	8.66	17.68	8.57	16.77	8.48	16.40	8.40	
	-10.5	-11	21.45	9.43	21.26	9.34	19.68	8.73	19.09	8.64	18.11	8.56	17.71	8.47	
	-9.5	-10	22.65	9.59	22.44	9.50	20.78	8.88	20.15	8.79	19.11	8.71	18.70	8.62	
	-8.5	-9.1	23.84	9.84	23.62	9.75	21.87	9.11	21.21	9.02	20.12	8.93	19.68	8.84	
	-7	-7.6	27.81	10.09	27.56	9.99	25.52	9.34	24.75	9.24	23.47	9.15	22.96	9.06	
	-5	-5.6	29.80	10.50	29.52	10.40	27.34	9.72	26.52	9.62	25.15	9.52	24.60	9.43	
	-3	-3.7	31.78	11.07	31.49	10.97	29.16	10.25	28.29	10.15	26.83	10.04	26.24	9.94	
	0	-0.7	34.96	10.82	34.64	10.72	32.08	10.02	31.11	9.92	29.51	9.82	28.87	9.72	
	3	2.2	37.74	9.84	37.40	9.75	34.63	9.11	33.59	9.02	31.86	8.93	31.16	8.84	
	5	4.1	38.54	9.43	38.19	9.34	35.36	8.73	34.30	8.64	32.53	8.56	31.82	8.47	
	7	6	39.73	8.20	39.37	8.12	36.45	7.59	35.36	7.52	33.53	7.44	32.81	7.36	
	9	7.9	40.53	8.12	40.15	8.04	37.18	7.52	36.06	7.44	34.20	7.37	33.46	7.29	
	11	9.8	40.53	8.04	40.15	7.96	37.18	7.44	36.06	7.37	34.20	7.29	33.46	7.22	
	13	11.8	40.53	7.99	40.15	7.92	37.18	7.40	36.06	7.33	34.20	7.25	33.46	7.18	
15	13.7	40.53	7.95	40.15	7.88	37.18	7.36	36.06	7.29	34.20	7.22	33.46	7.14		
19	14.2	40.90	7.91	40.15	7.84	37.18	7.33	36.06	7.25	34.20	7.18	33.46	7.11		
21	15	40.90	7.87	40.15	7.80	37.18	7.29	36.06	7.22	34.20	7.14	33.46	7.07		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT012173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-22.90	-23.00	12.02	8.33	11.91	8.25	11.03	7.71	10.69	7.64	10.14	7.56	9.92	7.48	
	-18.80	-19.00	13.73	8.45	13.61	8.37	12.60	7.82	12.22	7.74	11.59	7.67	11.34	7.59	
	-14.7	-15	15.45	8.80	15.31	8.72	14.18	8.15	13.75	8.07	13.04	7.98	12.76	7.90	
	-12.6	-13	17.17	8.88	17.01	8.79	15.75	8.22	15.28	8.14	14.49	8.06	14.18	7.97	
	-10.5	-11	18.54	8.95	18.37	8.87	17.01	8.29	16.50	8.21	15.65	8.13	15.31	8.04	
	-9.5	-10	19.57	9.11	19.39	9.03	17.96	8.44	17.42	8.35	16.52	8.27	16.16	8.18	
	-8.5	-9.1	20.60	9.34	20.41	9.26	18.90	8.65	18.33	8.57	17.39	8.48	17.01	8.39	
	-7	-7.6	24.03	9.58	23.81	9.49	22.05	8.87	21.39	8.78	20.29	8.69	19.85	8.60	
	-5	-5.6	25.75	9.97	25.52	9.87	23.63	9.23	22.92	9.14	21.74	9.04	21.26	8.95	
	-3	-3.7	27.47	10.51	27.22	10.41	25.20	9.73	24.44	9.64	23.18	9.54	22.68	9.44	
	0	-0.7	30.21	10.28	29.94	10.18	27.72	9.52	26.89	9.42	25.50	9.33	24.95	9.23	
	3	2.2	32.62	9.34	32.32	9.26	29.93	8.65	29.03	8.57	27.53	8.48	26.93	8.39	
	5	4.1	33.30	8.95	33.00	8.87	30.56	8.29	29.64	8.21	28.11	8.13	27.50	8.04	
	7	6	34.34	7.79	34.02	7.71	31.50	7.21	30.56	7.14	28.98	7.07	28.35	6.99	
	9	7.9	35.02	7.71	34.70	7.64	32.13	7.14	31.17	7.07	29.56	7.00	28.92	6.92	
	11	9.8	35.02	7.63	34.70	7.56	32.13	7.07	31.17	7.00	29.56	6.92	28.92	6.85	
	13	11.8	35.02	7.59	34.70	7.52	32.13	7.03	31.17	6.96	29.56	6.89	28.92	6.82	
	15	13.7	35.02	7.55	34.70	7.48	32.13	6.99	31.17	6.92	29.56	6.85	28.92	6.78	
19	14.2	35.34	7.51	34.70	7.44	32.13	6.96	31.17	6.89	29.56	6.82	28.92	6.75		
21	15	35.34	7.48	34.70	7.41	32.13	6.92	31.17	6.85	29.56	6.78	28.92	6.71		
60%	-22.90	-23.00	10.82	7.38	10.72	7.31	9.92	6.83	9.62	6.76	9.13	6.70	8.93	6.63	
	-18.80	-19.00	12.36	7.48	12.25	7.41	11.34	6.93	11.00	6.86	10.43	6.79	10.21	6.72	
	-14.7	-15	13.91	7.79	13.78	7.72	12.76	7.22	12.37	7.14	11.74	7.07	11.48	7.00	
	-12.6	-13	15.45	7.86	15.31	7.79	14.18	7.28	13.75	7.21	13.04	7.13	12.76	7.06	
	-10.5	-11	16.69	7.93	16.53	7.86	15.31	7.34	14.85	7.27	14.08	7.20	13.78	7.12	
	-9.5	-10	17.61	8.07	17.45	7.99	16.16	7.47	15.67	7.40	14.87	7.32	14.54	7.25	
	-8.5	-9.1	18.54	8.28	18.37	8.20	17.01	7.66	16.50	7.59	15.65	7.51	15.31	7.43	
	-7	-7.6	21.63	8.48	21.43	8.40	19.85	7.85	19.25	7.78	18.26	7.70	17.86	7.62	
	-5	-5.6	23.18	8.83	22.96	8.75	21.26	8.17	20.62	8.09	19.56	8.01	19.14	7.93	
	-3	-3.7	24.72	9.31	24.49	9.22	22.68	8.62	22.00	8.53	20.87	8.45	20.41	8.36	
	0	-0.7	27.19	9.10	26.94	9.02	24.95	8.43	24.20	8.35	22.95	8.26	22.45	8.18	
	3	2.2	29.36	8.28	29.09	8.20	26.93	7.66	26.12	7.59	24.78	7.51	24.24	7.43	
	5	4.1	29.97	7.93	29.70	7.86	27.50	7.34	26.67	7.27	25.30	7.20	24.75	7.12	
	7	6	30.90	6.90	30.62	6.83	28.35	6.39	27.50	6.32	26.08	6.26	25.52	6.19	
	9	7.9	31.52	6.83	31.23	6.76	28.92	6.32	28.05	6.26	26.60	6.20	26.03	6.13	
	11	9.8	31.52	6.76	31.23	6.70	28.92	6.26	28.05	6.20	26.60	6.13	26.03	6.07	
	13	11.8	31.52	6.72	31.23	6.66	28.92	6.23	28.05	6.16	26.60	6.10	26.03	6.04	
	15	13.7	31.52	6.69	31.23	6.63	28.92	6.19	28.05	6.13	26.60	6.07	26.03	6.01	
19	14.2	31.81	6.66	31.23	6.59	28.92	6.16	28.05	6.10	26.60	6.04	26.03	5.98		
21	15	31.81	6.62	31.23	6.56	28.92	6.13	28.05	6.07	26.60	6.01	26.03	5.95		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT012173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	9.27	7.74	9.19	7.67	8.51	7.16	8.25	7.09	7.82	7.02	7.65	6.95	
	-18.80	-19.00	10.59	7.85	10.50	7.77	9.72	7.26	9.43	7.19	8.94	7.12	8.75	7.05	
	-14.7	-15	11.92	8.17	11.81	8.09	10.94	7.57	10.61	7.49	10.06	7.41	9.84	7.34	
	-12.6	-13	13.24	8.24	13.12	8.17	12.15	7.63	11.79	7.56	11.18	7.48	10.94	7.40	
	-10.5	-11	14.30	8.32	14.17	8.24	13.12	7.70	12.73	7.62	12.07	7.55	11.81	7.47	
	-9.5	-10	15.10	8.46	14.96	8.38	13.85	7.83	13.44	7.75	12.74	7.68	12.47	7.60	
	-8.5	-9.1	15.89	8.68	15.75	8.60	14.58	8.03	14.14	7.95	13.41	7.87	13.12	7.79	
	-7	-7.6	18.54	8.89	18.37	8.81	17.01	8.23	16.50	8.15	15.65	8.07	15.31	7.99	
	-5	-5.6	19.87	9.26	19.68	9.17	18.23	8.57	17.68	8.48	16.77	8.40	16.40	8.31	
	-3	-3.7	21.19	9.76	21.00	9.67	19.44	9.04	18.86	8.95	17.88	8.86	17.50	8.77	
	0	-0.7	23.31	9.54	23.09	9.46	21.38	8.84	20.74	8.75	19.67	8.66	19.25	8.57	
	3	2.2	25.16	8.68	24.93	8.60	23.09	8.03	22.39	7.95	21.24	7.87	20.78	7.79	
	5	4.1	25.69	8.32	25.46	8.24	23.57	7.70	22.86	7.62	21.69	7.55	21.21	7.47	
	7	6	26.49	7.23	26.24	7.16	24.30	6.70	23.57	6.63	22.36	6.56	21.87	6.49	
	9	7.9	27.02	7.16	26.77	7.09	24.79	6.63	24.04	6.56	22.80	6.50	22.31	6.43	
	11	9.8	27.02	7.09	26.77	7.02	24.79	6.56	24.04	6.50	22.80	6.43	22.31	6.36	
	13	11.8	27.02	7.05	26.77	6.98	24.79	6.53	24.04	6.46	22.80	6.40	22.31	6.33	
15	13.7	27.02	7.01	26.77	6.95	24.79	6.49	24.04	6.43	22.80	6.36	22.31	6.30		
19	14.2	27.26	6.98	26.77	6.91	24.79	6.46	24.04	6.40	22.80	6.33	22.31	6.27		
21	15	27.26	6.94	26.77	6.88	24.79	6.43	24.04	6.36	22.80	6.30	22.31	6.23		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT014173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	17.85	11.55	17.69	11.44	16.38	10.69	15.89	10.58	15.07	10.48	14.74	10.37	
	-18.80	-19.00	20.40	11.71	20.22	11.60	18.72	10.84	18.16	10.73	17.22	10.62	16.85	10.52	
	-14.7	-15	22.96	12.19	22.74	12.08	21.06	11.29	20.43	11.18	19.38	11.06	18.95	10.95	
	-12.6	-13	25.51	12.30	25.27	12.19	23.40	11.39	22.70	11.28	21.53	11.16	21.06	11.05	
	-10.5	-11	27.55	12.41	27.29	12.29	25.27	11.49	24.51	11.37	23.25	11.26	22.74	11.14	
	-9.5	-10	29.08	12.62	28.81	12.51	26.68	11.69	25.88	11.57	24.54	11.46	24.01	11.34	
	-8.5	-9.1	30.61	12.95	30.33	12.83	28.08	11.99	27.24	11.87	25.83	11.75	25.27	11.63	
	-7	-7.6	35.71	13.27	35.38	13.15	32.76	12.29	31.78	12.17	30.14	12.04	29.48	11.92	
	-5	-5.6	38.26	13.81	37.91	13.68	35.10	12.79	34.05	12.66	32.29	12.53	31.59	12.40	
	-3	-3.7	40.81	14.57	40.44	14.43	37.44	13.49	36.32	13.35	34.44	13.22	33.70	13.08	
	0	-0.7	44.89	14.24	44.48	14.11	41.18	13.19	39.95	13.06	37.89	12.92	37.07	12.79	
	3	2.2	48.46	12.95	48.02	12.83	44.46	11.99	43.13	11.87	40.90	11.75	40.01	11.63	
	5	4.1	49.48	12.41	49.03	12.29	45.40	11.49	44.03	11.37	41.76	11.26	40.86	11.14	
	7	6	51.01	10.79	50.54	10.69	46.80	9.99	45.40	9.89	43.06	9.79	42.12	9.69	
	9	7.9	52.03	10.68	51.55	10.58	47.74	9.89	46.30	9.79	43.92	9.69	42.96	9.59	
	11	9.8	52.03	10.57	51.55	10.48	47.74	9.79	46.30	9.69	43.92	9.60	42.96	9.50	
	13	11.8	52.03	10.52	51.55	10.42	47.74	9.74	46.30	9.64	43.92	9.55	42.96	9.45	
	15	13.7	52.03	10.47	51.55	10.37	47.74	9.69	46.30	9.59	43.92	9.50	42.96	9.40	
19	14.2	52.51	10.41	51.55	10.32	47.74	9.64	46.30	9.54	43.92	9.45	42.96	9.35		
21	15	52.51	10.36	51.55	10.26	47.74	9.59	46.30	9.50	43.92	9.40	42.96	9.30		
120%	-22.90	-23.00	17.68	11.66	17.52	11.56	16.22	10.80	15.74	10.69	14.92	10.58	14.60	10.48	
	-18.80	-19.00	20.21	11.83	20.02	11.72	18.54	10.95	17.98	10.84	17.06	10.73	16.69	10.62	
	-14.7	-15	22.73	12.32	22.53	12.20	20.86	11.41	20.23	11.29	19.19	11.18	18.77	11.06	
	-12.6	-13	25.26	12.43	25.03	12.31	23.18	11.51	22.48	11.39	21.32	11.28	20.86	11.16	
	-10.5	-11	27.28	12.54	27.03	12.42	25.03	11.61	24.28	11.49	23.03	11.38	22.53	11.26	
	-9.5	-10	28.80	12.75	28.53	12.64	26.42	11.81	25.63	11.69	24.31	11.57	23.78	11.46	
	-8.5	-9.1	30.31	13.08	30.03	12.96	27.81	12.11	26.98	11.99	25.59	11.87	25.03	11.75	
	-7	-7.6	35.37	13.41	35.04	13.28	32.45	12.42	31.47	12.29	29.85	12.17	29.20	12.04	
	-5	-5.6	37.89	13.95	37.54	13.82	34.76	12.92	33.72	12.79	31.98	12.66	31.29	12.53	
	-3	-3.7	40.42	14.72	40.05	14.58	37.08	13.63	35.97	13.49	34.11	13.35	33.37	13.22	
	0	-0.7	44.46	14.39	44.05	14.26	40.79	13.32	39.56	13.19	37.52	13.06	36.71	12.92	
	3	2.2	48.00	13.08	47.56	12.96	44.03	12.11	42.71	11.99	40.51	11.87	39.63	11.75	
	5	4.1	49.01	12.54	48.56	12.42	44.96	11.61	43.61	11.49	41.36	11.38	40.46	11.26	
	7	6	50.52	10.90	50.06	10.80	46.35	10.09	44.96	9.99	42.64	9.89	41.72	9.79	
	9	7.9	51.53	10.79	51.06	10.69	47.28	9.99	45.86	9.89	43.49	9.79	42.55	9.69	
	11	9.8	51.53	10.68	51.06	10.58	47.28	9.89	45.86	9.79	43.49	9.69	42.55	9.60	
	13	11.8	51.53	10.63	51.06	10.53	47.28	9.84	45.86	9.74	43.49	9.64	42.55	9.55	
	15	13.7	51.53	10.57	51.06	10.48	47.28	9.79	45.86	9.69	43.49	9.60	42.55	9.50	
19	14.2	52.00	10.52	51.06	10.42	47.28	9.74	45.86	9.64	43.49	9.55	42.55	9.45		
21	15	52.00	10.47	51.06	10.37	47.28	9.69	45.86	9.59	43.49	9.50	42.55	9.40		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT014173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
110%	-22.90	-23.00	17.34	11.78	17.18	11.67	15.91	10.91	15.43	10.80	14.63	10.69	14.32	10.58	
	-18.80	-19.00	19.82	11.95	19.63	11.84	18.18	11.06	17.63	10.95	16.73	10.84	16.36	10.73	
	-14.7	-15	22.29	12.44	22.09	12.33	20.45	11.52	19.84	11.41	18.82	11.29	18.41	11.18	
	-12.6	-13	24.77	12.55	24.54	12.44	22.73	11.62	22.04	11.51	20.91	11.39	20.45	11.28	
	-10.5	-11	26.75	12.66	26.51	12.55	24.54	11.73	23.81	11.61	22.58	11.49	22.09	11.37	
	-9.5	-10	28.24	12.88	27.98	12.77	25.91	11.93	25.13	11.81	23.83	11.69	23.32	11.57	
	-8.5	-9.1	29.72	13.22	29.45	13.09	27.27	12.24	26.45	12.11	25.09	11.99	24.54	11.87	
	-7	-7.6	34.68	13.55	34.36	13.42	31.82	12.54	30.86	12.42	29.27	12.29	28.63	12.17	
	-5	-5.6	37.16	14.10	36.81	13.97	34.09	13.05	33.06	12.92	31.36	12.79	30.68	12.66	
	-3	-3.7	39.63	14.87	39.27	14.73	36.36	13.77	35.27	13.63	33.45	13.49	32.72	13.35	
	0	-0.7	43.60	14.54	43.20	14.40	40.00	13.46	38.80	13.33	36.80	13.19	36.00	13.06	
	3	2.2	47.06	13.22	46.63	13.09	43.18	12.24	41.88	12.11	39.72	11.99	38.86	11.87	
	5	4.1	48.05	12.66	47.61	12.55	44.09	11.73	42.76	11.61	40.56	11.49	39.68	11.37	
	7	6	49.54	11.01	49.09	10.91	45.45	10.20	44.09	10.10	41.81	9.99	40.91	9.89	
	9	7.9	50.53	10.90	50.07	10.80	46.36	10.10	44.97	9.99	42.65	9.89	41.72	9.79	
	11	9.8	50.53	10.79	50.07	10.69	46.36	9.99	44.97	9.89	42.65	9.79	41.72	9.69	
	13	11.8	50.53	10.74	50.07	10.64	46.36	9.94	44.97	9.84	42.65	9.74	41.72	9.64	
15	13.7	50.53	10.68	50.07	10.58	46.36	9.89	44.97	9.79	42.65	9.69	41.72	9.59		
19	14.2	50.99	10.63	50.07	10.53	46.36	9.84	44.97	9.74	42.65	9.64	41.72	9.54		
21	15	50.99	10.57	50.07	10.47	46.36	9.79	44.97	9.69	42.65	9.59	41.72	9.50		
100%	-22.90	-23.00	17.17	11.90	17.01	11.79	15.75	11.02	15.28	10.91	14.49	10.80	14.18	10.69	
	-18.80	-19.00	19.62	12.07	19.44	11.96	18.00	11.18	17.46	11.06	16.56	10.95	16.20	10.84	
	-14.7	-15	22.07	12.57	21.87	12.45	20.25	11.64	19.64	11.52	18.63	11.41	18.23	11.29	
	-12.6	-13	24.53	12.68	24.30	12.56	22.50	11.74	21.83	11.62	20.70	11.51	20.25	11.39	
	-10.5	-11	26.49	12.79	26.24	12.67	24.30	11.85	23.57	11.73	22.36	11.61	21.87	11.49	
	-9.5	-10	27.96	13.02	27.70	12.89	25.65	12.05	24.88	11.93	23.60	11.81	23.09	11.69	
	-8.5	-9.1	29.43	13.35	29.16	13.23	27.00	12.36	26.19	12.24	24.84	12.11	24.30	11.99	
	-7	-7.6	34.34	13.68	34.02	13.56	31.50	12.67	30.56	12.54	28.98	12.42	28.35	12.29	
	-5	-5.6	36.79	14.24	36.45	14.11	33.75	13.18	32.74	13.05	31.05	12.92	30.38	12.79	
	-3	-3.7	39.24	15.02	38.88	14.88	36.00	13.91	34.92	13.77	33.12	13.63	32.40	13.49	
	0	-0.7	43.16	14.68	42.77	14.55	39.60	13.60	38.41	13.46	36.43	13.32	35.64	13.19	
	3	2.2	46.60	13.35	46.17	13.23	42.75	12.36	41.47	12.24	39.33	12.11	38.48	11.99	
	5	4.1	47.58	12.79	47.14	12.67	43.65	11.85	42.34	11.73	40.16	11.61	39.29	11.49	
	7	6	49.05	11.12	48.60	11.02	45.00	10.30	43.65	10.20	41.40	10.09	40.50	9.99	
	9	7.9	50.03	11.01	49.57	10.91	45.90	10.20	44.52	10.10	42.23	9.99	41.31	9.89	
	11	9.8	50.03	10.90	49.57	10.80	45.90	10.09	44.52	9.99	42.23	9.89	41.31	9.79	
	13	11.8	50.03	10.85	49.57	10.75	45.90	10.04	44.52	9.94	42.23	9.84	41.31	9.74	
15	13.7	50.03	10.79	49.57	10.69	45.90	9.99	44.52	9.89	42.23	9.79	41.31	9.69		
19	14.2	50.49	10.73	49.57	10.64	45.90	9.94	44.52	9.84	42.23	9.74	41.31	9.64		
21	15	50.49	10.68	49.57	10.58	45.90	9.89	44.52	9.79	42.23	9.69	41.31	9.59		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT014173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	15.79	10.83	15.65	10.73	14.49	10.03	14.06	9.93	13.33	9.83	13.04	9.73	
	-18.80	-19.00	18.05	10.98	17.88	10.88	16.56	10.17	16.06	10.07	15.24	9.97	14.90	9.86	
	-14.7	-15	20.31	11.44	20.12	11.33	18.63	10.59	18.07	10.49	17.14	10.38	16.77	10.27	
	-12.6	-13	22.56	11.54	22.36	11.43	20.70	10.69	20.08	10.58	19.04	10.47	18.63	10.36	
	-10.5	-11	24.37	11.64	24.14	11.53	22.36	10.78	21.69	10.67	20.57	10.56	20.12	10.46	
	-9.5	-10	25.72	11.84	25.49	11.73	23.60	10.97	22.89	10.86	21.71	10.75	21.24	10.64	
	-8.5	-9.1	27.08	12.15	26.83	12.03	24.84	11.25	24.09	11.14	22.85	11.02	22.36	10.91	
	-7	-7.6	31.59	12.45	31.30	12.34	28.98	11.53	28.11	11.41	26.66	11.30	26.08	11.18	
	-5	-5.6	33.84	12.96	33.53	12.84	31.05	12.00	30.12	11.88	28.57	11.76	27.95	11.64	
	-3	-3.7	36.10	13.67	35.77	13.54	33.12	12.65	32.13	12.53	30.47	12.40	29.81	12.27	
	0	-0.7	39.71	13.36	39.35	13.24	36.43	12.37	35.34	12.25	33.52	12.12	32.79	12.00	
	3	2.2	42.87	12.15	42.48	12.03	39.33	11.25	38.15	11.14	36.18	11.02	35.40	10.91	
	5	4.1	43.77	11.64	43.37	11.53	40.16	10.78	38.95	10.67	36.95	10.56	36.14	10.46	
	7	6	45.13	10.12	44.71	10.03	41.40	9.37	40.16	9.28	38.09	9.19	37.26	9.09	
	9	7.9	46.03	10.02	45.61	9.93	42.23	9.28	40.96	9.19	38.85	9.09	38.01	9.00	
	11	9.8	46.03	9.92	45.61	9.83	42.23	9.19	40.96	9.09	38.85	9.00	38.01	8.91	
	13	11.8	46.03	9.87	45.61	9.78	42.23	9.14	40.96	9.05	38.85	8.96	38.01	8.86	
15	13.7	46.03	9.82	45.61	9.73	42.23	9.09	40.96	9.00	38.85	8.91	38.01	8.82		
19	14.2	46.45	9.77	45.61	9.68	42.23	9.04	40.96	8.95	38.85	8.86	38.01	8.77		
21	15	46.45	9.72	45.61	9.63	42.23	9.00	40.96	8.91	38.85	8.82	38.01	8.73		
80%	-22.90	-23.00	13.91	8.77	13.78	8.69	12.76	8.12	12.37	8.04	11.74	7.96	11.48	7.88	
	-18.80	-19.00	15.89	8.90	15.75	8.81	14.58	8.24	14.14	8.16	13.41	8.07	13.12	7.99	
	-14.7	-15	17.88	9.27	17.71	9.18	16.40	8.58	15.91	8.49	15.09	8.41	14.76	8.32	
	-12.6	-13	19.87	9.35	19.68	9.26	18.23	8.66	17.68	8.57	16.77	8.48	16.40	8.40	
	-10.5	-11	21.45	9.43	21.26	9.34	19.68	8.73	19.09	8.64	18.11	8.56	17.71	8.47	
	-9.5	-10	22.65	9.59	22.44	9.50	20.78	8.88	20.15	8.79	19.11	8.71	18.70	8.62	
	-8.5	-9.1	23.84	9.84	23.62	9.75	21.87	9.11	21.21	9.02	20.12	8.93	19.68	8.84	
	-7	-7.6	27.81	10.09	27.56	9.99	25.52	9.34	24.75	9.24	23.47	9.15	22.96	9.06	
	-5	-5.6	29.80	10.50	29.52	10.40	27.34	9.72	26.52	9.62	25.15	9.52	24.60	9.43	
	-3	-3.7	31.78	11.07	31.49	10.97	29.16	10.25	28.29	10.15	26.83	10.04	26.24	9.94	
	0	-0.7	34.96	10.82	34.64	10.72	32.08	10.02	31.11	9.92	29.51	9.82	28.87	9.72	
	3	2.2	37.74	9.84	37.40	9.75	34.63	9.11	33.59	9.02	31.86	8.93	31.16	8.84	
	5	4.1	38.54	9.43	38.19	9.34	35.36	8.73	34.30	8.64	32.53	8.56	31.82	8.47	
	7	6	39.73	8.20	39.37	8.12	36.45	7.59	35.36	7.52	33.53	7.44	32.81	7.36	
	9	7.9	40.53	8.12	40.15	8.04	37.18	7.52	36.06	7.44	34.20	7.37	33.46	7.29	
	11	9.8	40.53	8.04	40.15	7.96	37.18	7.44	36.06	7.37	34.20	7.29	33.46	7.22	
	13	11.8	40.53	7.99	40.15	7.92	37.18	7.40	36.06	7.33	34.20	7.25	33.46	7.18	
15	13.7	40.53	7.95	40.15	7.88	37.18	7.36	36.06	7.29	34.20	7.22	33.46	7.14		
19	14.2	40.90	7.91	40.15	7.84	37.18	7.33	36.06	7.25	34.20	7.18	33.46	7.11		
21	15	40.90	7.87	40.15	7.80	37.18	7.29	36.06	7.22	34.20	7.14	33.46	7.07		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT014173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
70%	-22.90	-23.00	12.02	8.33	11.91	8.25	11.03	7.71	10.69	7.64	10.14	7.56	9.92	7.48	
	-18.80	-19.00	13.73	8.45	13.61	8.37	12.60	7.82	12.22	7.74	11.59	7.67	11.34	7.59	
	-14.7	-15	15.45	8.80	15.31	8.72	14.18	8.15	13.75	8.07	13.04	7.98	12.76	7.90	
	-12.6	-13	17.17	8.88	17.01	8.79	15.75	8.22	15.28	8.14	14.49	8.06	14.18	7.97	
	-10.5	-11	18.54	8.95	18.37	8.87	17.01	8.29	16.50	8.21	15.65	8.13	15.31	8.04	
	-9.5	-10	19.57	9.11	19.39	9.03	17.96	8.44	17.42	8.35	16.52	8.27	16.16	8.18	
	-8.5	-9.1	20.60	9.34	20.41	9.26	18.90	8.65	18.33	8.57	17.39	8.48	17.01	8.39	
	-7	-7.6	24.03	9.58	23.81	9.49	22.05	8.87	21.39	8.78	20.29	8.69	19.85	8.60	
	-5	-5.6	25.75	9.97	25.52	9.87	23.63	9.23	22.92	9.14	21.74	9.04	21.26	8.95	
	-3	-3.7	27.47	10.51	27.22	10.41	25.20	9.73	24.44	9.64	23.18	9.54	22.68	9.44	
	0	-0.7	30.21	10.28	29.94	10.18	27.72	9.52	26.89	9.42	25.50	9.33	24.95	9.23	
	3	2.2	32.62	9.34	32.32	9.26	29.93	8.65	29.03	8.57	27.53	8.48	26.93	8.39	
	5	4.1	33.30	8.95	33.00	8.87	30.56	8.29	29.64	8.21	28.11	8.13	27.50	8.04	
	7	6	34.34	7.79	34.02	7.71	31.50	7.21	30.56	7.14	28.98	7.07	28.35	6.99	
	9	7.9	35.02	7.71	34.70	7.64	32.13	7.14	31.17	7.07	29.56	7.00	28.92	6.92	
	11	9.8	35.02	7.63	34.70	7.56	32.13	7.07	31.17	7.00	29.56	6.92	28.92	6.85	
	13	11.8	35.02	7.59	34.70	7.52	32.13	7.03	31.17	6.96	29.56	6.89	28.92	6.82	
15	13.7	35.02	7.55	34.70	7.48	32.13	6.99	31.17	6.92	29.56	6.85	28.92	6.78		
19	14.2	35.34	7.51	34.70	7.44	32.13	6.96	31.17	6.89	29.56	6.82	28.92	6.75		
21	15	35.34	7.48	34.70	7.41	32.13	6.92	31.17	6.85	29.56	6.78	28.92	6.71		
60%	-22.90	-23.00	10.82	7.38	10.72	7.31	9.92	6.83	9.62	6.76	9.13	6.70	8.93	6.63	
	-18.80	-19.00	12.36	7.48	12.25	7.41	11.34	6.93	11.00	6.86	10.43	6.79	10.21	6.72	
	-14.7	-15	13.91	7.79	13.78	7.72	12.76	7.22	12.37	7.14	11.74	7.07	11.48	7.00	
	-12.6	-13	15.45	7.86	15.31	7.79	14.18	7.28	13.75	7.21	13.04	7.13	12.76	7.06	
	-10.5	-11	16.69	7.93	16.53	7.86	15.31	7.34	14.85	7.27	14.08	7.20	13.78	7.12	
	-9.5	-10	17.61	8.07	17.45	7.99	16.16	7.47	15.67	7.40	14.87	7.32	14.54	7.25	
	-8.5	-9.1	18.54	8.28	18.37	8.20	17.01	7.66	16.50	7.59	15.65	7.51	15.31	7.43	
	-7	-7.6	21.63	8.48	21.43	8.40	19.85	7.85	19.25	7.78	18.26	7.70	17.86	7.62	
	-5	-5.6	23.18	8.83	22.96	8.75	21.26	8.17	20.62	8.09	19.56	8.01	19.14	7.93	
	-3	-3.7	24.72	9.31	24.49	9.22	22.68	8.62	22.00	8.53	20.87	8.45	20.41	8.36	
	0	-0.7	27.19	9.10	26.94	9.02	24.95	8.43	24.20	8.35	22.95	8.26	22.45	8.18	
	3	2.2	29.36	8.28	29.09	8.20	26.93	7.66	26.12	7.59	24.78	7.51	24.24	7.43	
	5	4.1	29.97	7.93	29.70	7.86	27.50	7.34	26.67	7.27	25.30	7.20	24.75	7.12	
	7	6	30.90	6.90	30.62	6.83	28.35	6.39	27.50	6.32	26.08	6.26	25.52	6.19	
	9	7.9	31.52	6.83	31.23	6.76	28.92	6.32	28.05	6.26	26.60	6.20	26.03	6.13	
	11	9.8	31.52	6.76	31.23	6.70	28.92	6.26	28.05	6.20	26.60	6.13	26.03	6.07	
	13	11.8	31.52	6.72	31.23	6.66	28.92	6.23	28.05	6.16	26.60	6.10	26.03	6.04	
15	13.7	31.52	6.69	31.23	6.63	28.92	6.19	28.05	6.13	26.60	6.07	26.03	6.01		
19	14.2	31.81	6.66	31.23	6.59	28.92	6.16	28.05	6.10	26.60	6.04	26.03	5.98		
21	15	31.81	6.62	31.23	6.56	28.92	6.13	28.05	6.07	26.60	6.01	26.03	5.95		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT014173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	9.27	7.74	9.19	7.67	8.51	7.16	8.25	7.09	7.82	7.02	7.65	6.95	
	-18.80	-19.00	10.59	7.85	10.50	7.77	9.72	7.26	9.43	7.19	8.94	7.12	8.75	7.05	
	-14.7	-15	11.92	8.17	11.81	8.09	10.94	7.57	10.61	7.49	10.06	7.41	9.84	7.34	
	-12.6	-13	13.24	8.24	13.12	8.17	12.15	7.63	11.79	7.56	11.18	7.48	10.94	7.40	
	-10.5	-11	14.30	8.32	14.17	8.24	13.12	7.70	12.73	7.62	12.07	7.55	11.81	7.47	
	-9.5	-10	15.10	8.46	14.96	8.38	13.85	7.83	13.44	7.75	12.74	7.68	12.47	7.60	
	-8.5	-9.1	15.89	8.68	15.75	8.60	14.58	8.03	14.14	7.95	13.41	7.87	13.12	7.79	
	-7	-7.6	18.54	8.89	18.37	8.81	17.01	8.23	16.50	8.15	15.65	8.07	15.31	7.99	
	-5	-5.6	19.87	9.26	19.68	9.17	18.23	8.57	17.68	8.48	16.77	8.40	16.40	8.31	
	-3	-3.7	21.19	9.76	21.00	9.67	19.44	9.04	18.86	8.95	17.88	8.86	17.50	8.77	
	0	-0.7	23.31	9.54	23.09	9.46	21.38	8.84	20.74	8.75	19.67	8.66	19.25	8.57	
	3	2.2	25.16	8.68	24.93	8.60	23.09	8.03	22.39	7.95	21.24	7.87	20.78	7.79	
	5	4.1	25.69	8.32	25.46	8.24	23.57	7.70	22.86	7.62	21.69	7.55	21.21	7.47	
	7	6	26.49	7.23	26.24	7.16	24.30	6.70	23.57	6.63	22.36	6.56	21.87	6.49	
	9	7.9	27.02	7.16	26.77	7.09	24.79	6.63	24.04	6.56	22.80	6.50	22.31	6.43	
	11	9.8	27.02	7.09	26.77	7.02	24.79	6.56	24.04	6.50	22.80	6.43	22.31	6.36	
	13	11.8	27.02	7.05	26.77	6.98	24.79	6.53	24.04	6.46	22.80	6.40	22.31	6.33	
15	13.7	27.02	7.01	26.77	6.95	24.79	6.49	24.04	6.43	22.80	6.36	22.31	6.30		
19	14.2	27.26	6.98	26.77	6.91	24.79	6.46	24.04	6.40	22.80	6.33	22.31	6.27		
21	15	27.26	6.94	26.77	6.88	24.79	6.43	24.04	6.36	22.80	6.30	22.31	6.23		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT016173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	20.97	12.55	20.78	12.44	19.24	11.62	18.66	11.51	17.70	11.39	17.32	11.28	
	-18.80	-19.00	22.67	12.73	22.46	12.61	20.80	11.79	20.18	11.67	19.14	11.55	18.72	11.43	
	-14.7	-15	25.51	13.26	25.27	13.14	23.40	12.28	22.70	12.15	21.53	12.03	21.06	11.91	
	-12.6	-13	28.34	13.38	28.08	13.25	26.00	12.38	25.22	12.26	23.92	12.14	23.40	12.01	
	-10.5	-11	30.61	13.49	30.33	13.37	28.08	12.49	27.24	12.37	25.83	12.24	25.27	12.12	
	-9.5	-10	32.31	13.73	32.01	13.60	29.64	12.71	28.75	12.58	27.27	12.46	26.68	12.33	
	-8.5	-9.1	34.01	14.08	33.70	13.95	31.20	13.04	30.26	12.91	28.70	12.78	28.08	12.65	
	-7	-7.6	39.68	14.43	39.31	14.30	36.40	13.36	35.31	13.23	33.49	13.10	32.76	12.96	
	-5	-5.6	42.51	15.02	42.12	14.88	39.00	13.91	37.83	13.77	35.88	13.63	35.10	13.49	
	-3	-3.7	45.34	15.84	44.93	15.69	41.60	14.67	40.35	14.52	38.27	14.37	37.44	14.23	
	0	-0.7	49.88	15.49	49.42	15.34	45.76	14.34	44.39	14.20	42.10	14.05	41.18	13.91	
	3	2.2	53.85	14.08	53.35	13.95	49.40	13.04	47.92	12.91	45.45	12.78	44.46	12.65	
	5	4.1	54.98	13.49	54.48	13.37	50.44	12.49	48.93	12.37	46.40	12.24	45.40	12.12	
	7	6	56.68	11.73	56.16	11.62	52.00	10.86	50.44	10.76	47.84	10.65	46.80	10.54	
	9	7.9	57.81	11.62	57.28	11.51	53.04	10.76	51.45	10.65	48.80	10.54	47.74	10.43	
	11	9.8	57.81	11.50	57.28	11.39	53.04	10.65	51.45	10.54	48.80	10.43	47.74	10.33	
	13	11.8	57.81	11.44	57.28	11.33	53.04	10.59	51.45	10.49	48.80	10.38	47.74	10.27	
	15	13.7	57.81	11.38	57.28	11.28	53.04	10.54	51.45	10.43	48.80	10.33	47.74	10.22	
19	14.2	58.34	11.32	57.28	11.22	53.04	10.48	51.45	10.38	48.80	10.27	47.74	10.17		
21	15	58.34	11.26	57.28	11.16	53.04	10.43	51.45	10.33	48.80	10.22	47.74	10.12		
120%	-22.90	-23.00	20.77	12.68	20.58	12.57	19.06	11.74	18.48	11.63	17.53	11.51	17.15	11.39	
	-18.80	-19.00	22.45	12.86	22.25	12.74	20.60	11.91	19.98	11.79	18.95	11.67	18.54	11.55	
	-14.7	-15	25.26	13.40	25.03	13.27	23.18	12.40	22.48	12.28	21.32	12.15	20.86	12.03	
	-12.6	-13	28.07	13.51	27.81	13.39	25.75	12.51	24.98	12.39	23.69	12.26	23.18	12.14	
	-10.5	-11	30.31	13.63	30.03	13.51	27.81	12.62	26.98	12.50	25.59	12.37	25.03	12.24	
	-9.5	-10	32.00	13.87	31.70	13.74	29.36	12.84	28.47	12.71	27.01	12.59	26.42	12.46	
	-8.5	-9.1	33.68	14.22	33.37	14.09	30.90	13.17	29.97	13.04	28.43	12.91	27.81	12.78	
	-7	-7.6	39.29	14.58	38.93	14.45	36.05	13.50	34.97	13.37	33.17	13.23	32.45	13.10	
	-5	-5.6	42.10	15.17	41.72	15.03	38.63	14.05	37.47	13.91	35.54	13.77	34.76	13.63	
	-3	-3.7	44.91	16.00	44.50	15.85	41.20	14.82	39.96	14.67	37.90	14.52	37.08	14.37	
	0	-0.7	49.40	15.65	48.95	15.50	45.32	14.49	43.96	14.34	41.69	14.20	40.79	14.05	
	3	2.2	53.33	14.22	52.84	14.09	48.93	13.17	47.46	13.04	45.01	12.91	44.03	12.78	
	5	4.1	54.45	13.63	53.95	13.51	49.96	12.62	48.46	12.50	45.96	12.37	44.96	12.24	
	7	6	56.14	11.85	55.62	11.74	51.50	10.98	49.96	10.87	47.38	10.76	46.35	10.65	
	9	7.9	57.26	11.74	56.73	11.63	52.53	10.87	50.95	10.76	48.33	10.65	47.28	10.54	
	11	9.8	57.26	11.62	56.73	11.51	52.53	10.76	50.95	10.65	48.33	10.54	47.28	10.43	
	13	11.8	57.26	11.56	56.73	11.45	52.53	10.70	50.95	10.59	48.33	10.49	47.28	10.38	
	15	13.7	57.26	11.50	56.73	11.39	52.53	10.65	50.95	10.54	48.33	10.43	47.28	10.33	
19	14.2	57.78	11.44	56.73	11.33	52.53	10.59	50.95	10.49	48.33	10.38	47.28	10.27		
21	15	57.78	11.38	56.73	11.27	52.53	10.54	50.95	10.43	48.33	10.33	47.28	10.22		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT016173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	20.37	12.81	20.18	12.69	18.69	11.86	18.12	11.75	17.19	11.63	16.82	11.51	
	-18.80	-19.00	22.02	12.99	21.82	12.87	20.20	12.03	19.59	11.91	18.58	11.79	18.18	11.67	
	-14.7	-15	24.77	13.53	24.54	13.41	22.73	12.53	22.04	12.40	20.91	12.28	20.45	12.15	
	-12.6	-13	27.52	13.65	27.27	13.53	25.25	12.64	24.49	12.51	23.23	12.39	22.73	12.26	
	-10.5	-11	29.72	13.77	29.45	13.64	27.27	12.75	26.45	12.62	25.09	12.50	24.54	12.37	
	-9.5	-10	31.38	14.01	31.09	13.88	28.79	12.97	27.92	12.84	26.48	12.71	25.91	12.58	
	-8.5	-9.1	33.03	14.37	32.72	14.24	30.30	13.31	29.39	13.17	27.88	13.04	27.27	12.91	
	-7	-7.6	38.53	14.73	38.18	14.59	35.35	13.64	34.29	13.50	32.52	13.37	31.82	13.23	
	-5	-5.6	41.28	15.33	40.91	15.19	37.88	14.19	36.74	14.05	34.85	13.91	34.09	13.77	
	-3	-3.7	44.04	16.17	43.63	16.02	40.40	14.97	39.19	14.82	37.17	14.67	36.36	14.52	
	0	-0.7	48.44	15.81	48.00	15.66	44.44	14.64	43.11	14.49	40.88	14.34	40.00	14.20	
	3	2.2	52.29	14.37	51.81	14.24	47.98	13.31	46.54	13.17	44.14	13.04	43.18	12.91	
	5	4.1	53.39	13.77	52.90	13.64	48.99	12.75	47.52	12.62	45.07	12.50	44.09	12.37	
	7	6	55.05	11.98	54.54	11.86	50.50	11.09	48.99	10.98	46.46	10.87	45.45	10.76	
	9	7.9	56.15	11.86	55.63	11.75	51.51	10.98	49.96	10.87	47.39	10.76	46.36	10.65	
	11	9.8	56.15	11.74	55.63	11.63	51.51	10.87	49.96	10.76	47.39	10.65	46.36	10.54	
	13	11.8	56.15	11.68	55.63	11.57	51.51	10.81	49.96	10.70	47.39	10.59	46.36	10.49	
	15	13.7	56.15	11.62	55.63	11.51	51.51	10.76	49.96	10.65	47.39	10.54	46.36	10.43	
19	14.2	56.66	11.56	55.63	11.45	51.51	10.70	49.96	10.59	47.39	10.49	46.36	10.38		
21	15	56.66	11.50	55.63	11.39	51.51	10.64	49.96	10.54	47.39	10.43	46.36	10.33		
100%	-22.90	-23.00	20.17	12.94	19.98	12.82	18.50	11.98	17.95	11.86	17.02	11.74	16.65	11.62	
	-18.80	-19.00	21.80	13.12	21.60	13.00	20.00	12.15	19.40	12.03	18.40	11.91	18.00	11.79	
	-14.7	-15	24.53	13.67	24.30	13.54	22.50	12.66	21.83	12.53	20.70	12.40	20.25	12.28	
	-12.6	-13	27.25	13.79	27.00	13.66	25.00	12.77	24.25	12.64	23.00	12.51	22.50	12.38	
	-10.5	-11	29.43	13.91	29.16	13.78	27.00	12.88	26.19	12.75	24.84	12.62	24.30	12.49	
	-9.5	-10	31.07	14.15	30.78	14.02	28.50	13.10	27.65	12.97	26.22	12.84	25.65	12.71	
	-8.5	-9.1	32.70	14.52	32.40	14.38	30.00	13.44	29.10	13.31	27.60	13.17	27.00	13.04	
	-7	-7.6	38.15	14.88	37.80	14.74	35.00	13.78	33.95	13.64	32.20	13.50	31.50	13.36	
	-5	-5.6	40.88	15.48	40.50	15.34	37.50	14.34	36.38	14.19	34.50	14.05	33.75	13.91	
	-3	-3.7	43.60	16.33	43.20	16.18	40.00	15.12	38.80	14.97	36.80	14.82	36.00	14.67	
	0	-0.7	47.96	15.97	47.52	15.82	44.00	14.78	42.68	14.64	40.48	14.49	39.60	14.34	
	3	2.2	51.78	14.52	51.30	14.38	47.50	13.44	46.08	13.31	43.70	13.17	42.75	13.04	
	5	4.1	52.87	13.91	52.38	13.78	48.50	12.88	47.05	12.75	44.62	12.62	43.65	12.49	
	7	6	54.50	12.10	54.00	11.98	50.00	11.20	48.50	11.09	46.00	10.98	45.00	10.86	
	9	7.9	55.59	11.98	55.08	11.86	51.00	11.09	49.47	10.98	46.92	10.87	45.90	10.76	
	11	9.8	55.59	11.85	55.08	11.74	51.00	10.98	49.47	10.87	46.92	10.76	45.90	10.65	
	13	11.8	55.59	11.79	55.08	11.68	51.00	10.92	49.47	10.81	46.92	10.70	45.90	10.59	
	15	13.7	55.59	11.73	55.08	11.62	51.00	10.86	49.47	10.76	46.92	10.65	45.90	10.54	
19	14.2	56.10	11.67	55.08	11.56	51.00	10.81	49.47	10.70	46.92	10.59	45.90	10.48		
21	15	56.10	11.61	55.08	11.50	51.00	10.75	49.47	10.64	46.92	10.54	45.90	10.43		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT016173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	18.55	11.78	18.38	11.67	17.02	10.91	16.51	10.80	15.66	10.69	15.32	10.58	
	-18.80	-19.00	20.06	11.94	19.87	11.83	18.40	11.06	17.85	10.95	16.93	10.84	16.56	10.73	
	-14.7	-15	22.56	12.44	22.36	12.32	20.70	11.52	20.08	11.40	19.04	11.29	18.63	11.17	
	-12.6	-13	25.07	12.55	24.84	12.43	23.00	11.62	22.31	11.50	21.16	11.39	20.70	11.27	
	-10.5	-11	27.08	12.66	26.83	12.54	24.84	11.72	24.09	11.60	22.85	11.49	22.36	11.37	
	-9.5	-10	28.58	12.88	28.32	12.76	26.22	11.92	25.43	11.81	24.12	11.69	23.60	11.57	
	-8.5	-9.1	30.08	13.21	29.81	13.09	27.60	12.23	26.77	12.11	25.39	11.99	24.84	11.86	
	-7	-7.6	35.10	13.54	34.78	13.41	32.20	12.54	31.23	12.41	29.62	12.29	28.98	12.16	
	-5	-5.6	37.61	14.09	37.26	13.96	34.50	13.05	33.47	12.92	31.74	12.78	31.05	12.65	
	-3	-3.7	40.11	14.86	39.74	14.72	36.80	13.76	35.70	13.62	33.86	13.48	33.12	13.35	
	0	-0.7	44.12	14.53	43.72	14.40	40.48	13.45	39.27	13.32	37.24	13.18	36.43	13.05	
	3	2.2	47.63	13.21	47.20	13.09	43.70	12.23	42.39	12.11	40.20	11.99	39.33	11.86	
	5	4.1	48.64	12.66	48.19	12.54	44.62	11.72	43.28	11.60	41.05	11.49	40.16	11.37	
	7	6	50.14	11.01	49.68	10.91	46.00	10.19	44.62	10.09	42.32	9.99	41.40	9.89	
	9	7.9	51.14	10.90	50.67	10.80	46.92	10.09	45.51	9.99	43.17	9.89	42.23	9.79	
	11	9.8	51.14	10.79	50.67	10.69	46.92	9.99	45.51	9.89	43.17	9.79	42.23	9.69	
	13	11.8	51.14	10.73	50.67	10.63	46.92	9.94	45.51	9.84	43.17	9.74	42.23	9.64	
	15	13.7	51.14	10.68	50.67	10.58	46.92	9.89	45.51	9.79	43.17	9.69	42.23	9.59	
19	14.2	51.61	10.62	50.67	10.52	46.92	9.84	45.51	9.74	43.17	9.64	42.23	9.54		
21	15	51.61	10.57	50.67	10.47	46.92	9.78	45.51	9.69	43.17	9.59	42.23	9.49		
80%	-22.90	-23.00	16.33	9.54	16.18	9.45	14.99	8.83	14.54	8.75	13.79	8.66	13.49	8.57	
	-18.80	-19.00	17.66	9.67	17.50	9.58	16.20	8.96	15.71	8.87	14.90	8.78	14.58	8.69	
	-14.7	-15	19.87	10.08	19.68	9.98	18.23	9.33	17.68	9.24	16.77	9.14	16.40	9.05	
	-12.6	-13	22.07	10.16	21.87	10.07	20.25	9.41	19.64	9.32	18.63	9.22	18.23	9.13	
	-10.5	-11	23.84	10.25	23.62	10.16	21.87	9.49	21.21	9.40	20.12	9.30	19.68	9.21	
	-9.5	-10	25.16	10.43	24.93	10.34	23.09	9.66	22.39	9.56	21.24	9.47	20.78	9.37	
	-8.5	-9.1	26.49	10.70	26.24	10.60	24.30	9.91	23.57	9.81	22.36	9.71	21.87	9.61	
	-7	-7.6	30.90	10.97	30.62	10.87	28.35	10.15	27.50	10.05	26.08	9.95	25.52	9.85	
	-5	-5.6	33.11	11.41	32.81	11.31	30.38	10.57	29.46	10.46	27.95	10.36	27.34	10.25	
	-3	-3.7	35.32	12.04	34.99	11.93	32.40	11.14	31.43	11.03	29.81	10.92	29.16	10.81	
	0	-0.7	38.85	11.77	38.49	11.66	35.64	10.90	34.57	10.79	32.79	10.68	32.08	10.57	
	3	2.2	41.94	10.70	41.55	10.60	38.48	9.91	37.32	9.81	35.40	9.71	34.63	9.61	
	5	4.1	42.82	10.25	42.43	10.16	39.29	9.49	38.11	9.40	36.14	9.30	35.36	9.21	
	7	6	44.15	8.92	43.74	8.83	40.50	8.26	39.29	8.17	37.26	8.09	36.45	8.01	
	9	7.9	45.03	8.83	44.61	8.75	41.31	8.17	40.07	8.09	38.01	8.01	37.18	7.93	
	11	9.8	45.03	8.74	44.61	8.66	41.31	8.09	40.07	8.01	38.01	7.93	37.18	7.85	
	13	11.8	45.03	8.69	44.61	8.61	41.31	8.05	40.07	7.97	38.01	7.89	37.18	7.81	
	15	13.7	45.03	8.65	44.61	8.57	41.31	8.01	40.07	7.93	38.01	7.85	37.18	7.77	
19	14.2	45.44	8.60	44.61	8.52	41.31	7.97	40.07	7.89	38.01	7.81	37.18	7.73		
21	15	45.44	8.56	44.61	8.48	41.31	7.93	40.07	7.85	38.01	7.77	37.18	7.69		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT016173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
70%	-22.90	-23.00	14.12	9.06	13.99	8.98	12.95	8.39	12.56	8.30	11.91	8.22	11.66	8.14	
	-18.80	-19.00	15.26	9.19	15.12	9.10	14.00	8.51	13.58	8.42	12.88	8.34	12.60	8.25	
	-14.7	-15	17.17	9.57	17.01	9.48	15.75	8.86	15.28	8.77	14.49	8.68	14.18	8.59	
	-12.6	-13	19.08	9.65	18.90	9.56	17.50	8.94	16.98	8.85	16.10	8.76	15.75	8.67	
	-10.5	-11	20.60	9.74	20.41	9.65	18.90	9.02	18.33	8.93	17.39	8.84	17.01	8.75	
	-9.5	-10	21.75	9.91	21.55	9.81	19.95	9.17	19.35	9.08	18.35	8.99	17.96	8.90	
	-8.5	-9.1	22.89	10.16	22.68	10.07	21.00	9.41	20.37	9.31	19.32	9.22	18.90	9.13	
	-7	-7.6	26.71	10.41	26.46	10.32	24.50	9.64	23.77	9.55	22.54	9.45	22.05	9.35	
	-5	-5.6	28.61	10.84	28.35	10.74	26.25	10.04	25.46	9.93	24.15	9.83	23.63	9.73	
	-3	-3.7	30.52	11.43	30.24	11.32	28.00	10.58	27.16	10.48	25.76	10.37	25.20	10.27	
	0	-0.7	33.57	11.18	33.26	11.07	30.80	10.35	29.88	10.25	28.34	10.14	27.72	10.04	
	3	2.2	36.24	10.16	35.91	10.07	33.25	9.41	32.25	9.31	30.59	9.22	29.93	9.13	
	5	4.1	37.01	9.74	36.67	9.65	33.95	9.02	32.93	8.93	31.23	8.84	30.56	8.75	
	7	6	38.15	8.47	37.80	8.39	35.00	7.84	33.95	7.76	32.20	7.68	31.50	7.60	
	9	7.9	38.91	8.38	38.56	8.30	35.70	7.76	34.63	7.68	32.84	7.61	32.13	7.53	
	11	9.8	38.91	8.30	38.56	8.22	35.70	7.68	34.63	7.61	32.84	7.53	32.13	7.45	
	13	11.8	38.91	8.26	38.56	8.18	35.70	7.64	34.63	7.57	32.84	7.49	32.13	7.41	
	15	13.7	38.91	8.21	38.56	8.14	35.70	7.60	34.63	7.53	32.84	7.45	32.13	7.38	
19	14.2	39.27	8.17	38.56	8.10	35.70	7.57	34.63	7.49	32.84	7.41	32.13	7.34		
21	15	39.27	8.13	38.56	8.05	35.70	7.53	34.63	7.45	32.84	7.38	32.13	7.30		
60%	-22.90	-23.00	12.70	8.02	12.59	7.95	11.66	7.43	11.31	7.36	10.72	7.28	10.49	7.21	
	-18.80	-19.00	13.73	8.14	13.61	8.06	12.60	7.53	12.22	7.46	11.59	7.38	11.34	7.31	
	-14.7	-15	15.45	8.47	15.31	8.40	14.18	7.85	13.75	7.77	13.04	7.69	12.76	7.61	
	-12.6	-13	17.17	8.55	17.01	8.47	15.75	7.92	15.28	7.84	14.49	7.76	14.18	7.68	
	-10.5	-11	18.54	8.62	18.37	8.54	17.01	7.99	16.50	7.91	15.65	7.83	15.31	7.75	
	-9.5	-10	19.57	8.77	19.39	8.69	17.96	8.12	17.42	8.04	16.52	7.96	16.16	7.88	
	-8.5	-9.1	20.60	9.00	20.41	8.92	18.90	8.33	18.33	8.25	17.39	8.17	17.01	8.08	
	-7	-7.6	24.03	9.22	23.81	9.14	22.05	8.54	21.39	8.46	20.29	8.37	19.85	8.28	
	-5	-5.6	25.75	9.60	25.52	9.51	23.63	8.89	22.92	8.80	21.74	8.71	21.26	8.62	
	-3	-3.7	27.47	10.12	27.22	10.03	25.20	9.37	24.44	9.28	23.18	9.19	22.68	9.09	
	0	-0.7	30.21	9.90	29.94	9.81	27.72	9.17	26.89	9.07	25.50	8.98	24.95	8.89	
	3	2.2	32.62	9.00	32.32	8.92	29.93	8.33	29.03	8.25	27.53	8.17	26.93	8.08	
	5	4.1	33.30	8.62	33.00	8.54	30.56	7.99	29.64	7.91	28.11	7.83	27.50	7.75	
	7	6	34.34	7.50	34.02	7.43	31.50	6.94	30.56	6.87	28.98	6.81	28.35	6.74	
	9	7.9	35.02	7.42	34.70	7.36	32.13	6.87	31.17	6.81	29.56	6.74	28.92	6.67	
	11	9.8	35.02	7.35	34.70	7.28	32.13	6.81	31.17	6.74	29.56	6.67	28.92	6.60	
	13	11.8	35.02	7.31	34.70	7.24	32.13	6.77	31.17	6.70	29.56	6.63	28.92	6.57	
	15	13.7	35.02	7.27	34.70	7.21	32.13	6.74	31.17	6.67	29.56	6.60	28.92	6.53	
19	14.2	35.34	7.24	34.70	7.17	32.13	6.70	31.17	6.63	29.56	6.57	28.92	6.50		
21	15	35.34	7.20	34.70	7.13	32.13	6.67	31.17	6.60	29.56	6.53	28.92	6.47		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT016173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	10.89	8.41	10.79	8.33	9.99	7.79	9.69	7.71	9.19	7.63	8.99	7.56	
	-18.80	-19.00	11.77	8.53	11.66	8.45	10.80	7.90	10.48	7.82	9.94	7.74	9.72	7.66	
	-14.7	-15	13.24	8.88	13.12	8.80	12.15	8.23	11.79	8.14	11.18	8.06	10.94	7.98	
	-12.6	-13	14.72	8.96	14.58	8.88	13.50	8.30	13.10	8.22	12.42	8.13	12.15	8.05	
	-10.5	-11	15.89	9.04	15.75	8.96	14.58	8.37	14.14	8.29	13.41	8.20	13.12	8.12	
	-9.5	-10	16.78	9.20	16.62	9.11	15.39	8.52	14.93	8.43	14.16	8.35	13.85	8.26	
	-8.5	-9.1	17.66	9.43	17.50	9.35	16.20	8.74	15.71	8.65	14.90	8.56	14.58	8.47	
	-7	-7.6	20.60	9.67	20.41	9.58	18.90	8.95	18.33	8.86	17.39	8.78	17.01	8.69	
	-5	-5.6	22.07	10.06	21.87	9.97	20.25	9.32	19.64	9.23	18.63	9.13	18.23	9.04	
	-3	-3.7	23.54	10.61	23.33	10.52	21.60	9.83	20.95	9.73	19.87	9.63	19.44	9.53	
	0	-0.7	25.90	10.38	25.66	10.28	23.76	9.61	23.05	9.51	21.86	9.42	21.38	9.32	
	3	2.2	27.96	9.43	27.70	9.35	25.65	8.74	24.88	8.65	23.60	8.56	23.09	8.47	
	5	4.1	28.55	9.04	28.29	8.96	26.19	8.37	25.40	8.29	24.09	8.20	23.57	8.12	
	7	6	29.43	7.86	29.16	7.79	27.00	7.28	26.19	7.21	24.84	7.13	24.30	7.06	
	9	7.9	30.02	7.78	29.74	7.71	27.54	7.21	26.71	7.14	25.34	7.06	24.79	6.99	
	11	9.8	30.02	7.71	29.74	7.63	27.54	7.13	26.71	7.06	25.34	6.99	24.79	6.92	
	13	11.8	30.02	7.67	29.74	7.59	27.54	7.10	26.71	7.03	25.34	6.96	24.79	6.89	
15	13.7	30.02	7.63	29.74	7.56	27.54	7.06	26.71	6.99	25.34	6.92	24.79	6.85		
19	14.2	30.29	7.59	29.74	7.52	27.54	7.03	26.71	6.95	25.34	6.88	24.79	6.81		
21	15	30.29	7.55	29.74	7.48	27.54	6.99	26.71	6.92	25.34	6.85	24.79	6.78		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT018173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
130%	-22.90	-23.00	23.49	14.80	23.27	14.66	21.55	13.70	20.90	13.56	19.82	13.43	19.39	13.29	
	-18.80	-19.00	25.39	15.00	25.16	14.86	23.30	13.89	22.60	13.75	21.43	13.61	20.97	13.48	
	-14.7	-15	28.57	15.63	28.30	15.48	26.21	14.47	25.42	14.32	24.11	14.18	23.59	14.03	
	-12.6	-13	31.74	15.76	31.45	15.62	29.12	14.60	28.25	14.45	26.79	14.30	26.21	14.16	
	-10.5	-11	34.28	15.90	33.97	15.76	31.45	14.72	30.51	14.58	28.93	14.43	28.30	14.28	
	-9.5	-10	36.18	16.18	35.85	16.03	33.20	14.98	32.20	14.83	30.54	14.68	29.88	14.53	
	-8.5	-9.1	38.09	16.59	37.74	16.44	34.94	15.36	33.90	15.21	32.15	15.06	31.45	14.90	
	-7	-7.6	44.44	17.01	44.03	16.85	40.77	15.75	39.54	15.59	37.51	15.43	36.69	15.28	
	-5	-5.6	47.61	17.70	47.17	17.54	43.68	16.39	42.37	16.23	40.19	16.06	39.31	15.90	
	-3	-3.7	50.79	18.67	50.32	18.50	46.59	17.29	45.19	17.11	42.86	16.94	41.93	16.77	
	0	-0.7	55.86	18.25	55.35	18.08	51.25	16.90	49.71	16.73	47.15	16.56	46.13	16.39	
	3	2.2	60.31	16.59	59.75	16.44	55.33	15.36	53.67	15.21	50.90	15.06	49.80	14.90	
	5	4.1	61.58	15.90	61.01	15.76	56.49	14.72	54.80	14.58	51.97	14.43	50.84	14.28	
	7	6	63.48	13.83	62.90	13.70	58.24	12.80	56.49	12.68	53.58	12.55	52.42	12.42	
	9	7.9	64.75	13.69	64.16	13.56	59.40	12.68	57.62	12.55	54.65	12.42	53.46	12.30	
	11	9.8	64.75	13.55	64.16	13.43	59.40	12.55	57.62	12.42	54.65	12.30	53.46	12.17	
	13	11.8	64.75	13.48	64.16	13.36	59.40	12.48	57.62	12.36	54.65	12.23	53.46	12.11	
	15	13.7	64.75	13.41	64.16	13.29	59.40	12.42	57.62	12.30	54.65	12.17	53.46	12.05	
19	14.2	65.35	13.34	64.16	13.22	59.40	12.36	57.62	12.23	54.65	12.11	53.46	11.99		
21	15	65.35	13.28	64.16	13.15	59.40	12.29	57.62	12.17	54.65	12.05	53.46	11.92		
120%	-22.90	-23.00	23.26	14.95	23.05	14.81	21.34	13.84	20.70	13.70	19.63	13.56	19.21	13.43	
	-18.80	-19.00	25.15	15.16	24.92	15.02	23.07	14.04	22.38	13.90	21.23	13.75	20.76	13.61	
	-14.7	-15	28.29	15.79	28.03	15.64	25.96	14.62	25.18	14.47	23.88	14.33	23.36	14.18	
	-12.6	-13	31.44	15.93	31.15	15.78	28.84	14.75	27.97	14.60	26.53	14.45	25.96	14.30	
	-10.5	-11	33.95	16.07	33.64	15.92	31.15	14.88	30.21	14.73	28.66	14.58	28.03	14.43	
	-9.5	-10	35.84	16.35	35.51	16.19	32.88	15.14	31.89	14.98	30.25	14.83	29.59	14.68	
	-8.5	-9.1	37.72	16.77	37.38	16.61	34.61	15.52	33.57	15.37	31.84	15.21	31.15	15.06	
	-7	-7.6	44.01	17.18	43.61	17.03	40.38	15.91	39.16	15.75	37.15	15.59	36.34	15.43	
	-5	-5.6	47.15	17.88	46.72	17.72	43.26	16.56	41.96	16.39	39.80	16.23	38.93	16.06	
	-3	-3.7	50.30	18.86	49.84	18.69	46.14	17.46	44.76	17.29	42.45	17.11	41.53	16.94	
	0	-0.7	55.33	18.44	54.82	18.27	50.76	17.08	49.24	16.90	46.70	16.73	45.68	16.56	
	3	2.2	59.73	16.77	59.18	16.61	54.80	15.52	53.15	15.37	50.41	15.21	49.32	15.06	
	5	4.1	60.99	16.07	60.43	15.92	55.95	14.88	54.27	14.73	51.47	14.58	50.35	14.43	
	7	6	62.87	13.97	62.29	13.84	57.68	12.94	55.95	12.81	53.07	12.68	51.91	12.55	
	9	7.9	64.13	13.83	63.54	13.70	58.83	12.81	57.07	12.68	54.13	12.55	52.95	12.42	
	11	9.8	64.13	13.69	63.54	13.56	58.83	12.68	57.07	12.55	54.13	12.42	52.95	12.30	
	13	11.8	64.13	13.62	63.54	13.50	58.83	12.61	57.07	12.49	54.13	12.36	52.95	12.23	
	15	13.7	64.13	13.55	63.54	13.43	58.83	12.55	57.07	12.42	54.13	12.30	52.95	12.17	
19	14.2	64.72	13.48	63.54	13.36	58.83	12.48	57.07	12.36	54.13	12.23	52.95	12.11		
21	15	64.72	13.41	63.54	13.29	58.83	12.42	57.07	12.29	54.13	12.17	52.95	12.05		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT018173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
110%	-22.90	-23.00	22.81	15.10	22.60	14.96	20.93	13.98	20.30	13.84	19.25	13.70	18.83	13.56	
	-18.80	-19.00	24.66	15.31	24.43	15.17	22.62	14.18	21.95	14.04	20.81	13.90	20.36	13.75	
	-14.7	-15	27.74	15.95	27.49	15.80	25.45	14.77	24.69	14.62	23.42	14.47	22.91	14.32	
	-12.6	-13	30.83	16.09	30.54	15.94	28.28	14.90	27.43	14.75	26.02	14.60	25.45	14.45	
	-10.5	-11	33.29	16.23	32.99	16.08	30.54	15.03	29.63	14.88	28.10	14.73	27.49	14.58	
	-9.5	-10	35.14	16.51	34.82	16.36	32.24	15.29	31.27	15.14	29.66	14.98	29.02	14.83	
	-8.5	-9.1	36.99	16.94	36.65	16.78	33.94	15.68	32.92	15.52	31.22	15.37	30.54	15.21	
	-7	-7.6	43.16	17.36	42.76	17.20	39.59	16.07	38.40	15.91	36.42	15.75	35.63	15.59	
	-5	-5.6	46.24	18.07	45.81	17.90	42.42	16.73	41.15	16.56	39.03	16.39	38.18	16.23	
	-3	-3.7	49.32	19.05	48.87	18.88	45.25	17.64	43.89	17.47	41.63	17.29	40.72	17.11	
	0	-0.7	54.25	18.63	53.75	18.46	49.77	17.25	48.28	17.08	45.79	16.90	44.80	16.73	
	3	2.2	58.57	16.94	58.03	16.78	53.73	15.68	52.12	15.52	49.43	15.37	48.36	15.21	
	5	4.1	59.80	16.23	59.25	16.08	54.86	15.03	53.22	14.88	50.47	14.73	49.38	14.58	
	7	6	61.65	14.11	61.08	13.98	56.56	13.07	54.86	12.94	52.04	12.81	50.90	12.68	
	9	7.9	62.88	13.97	62.31	13.84	57.69	12.94	55.96	12.81	53.08	12.68	51.92	12.55	
	11	9.8	62.88	13.83	62.31	13.70	57.69	12.81	55.96	12.68	53.08	12.55	51.92	12.42	
	13	11.8	62.88	13.76	62.31	13.63	57.69	12.74	55.96	12.61	53.08	12.49	51.92	12.36	
	15	13.7	62.88	13.69	62.31	13.56	57.69	12.68	55.96	12.55	53.08	12.42	51.92	12.30	
19	14.2	63.46	13.62	62.31	13.49	57.69	12.61	55.96	12.48	53.08	12.36	51.92	12.23		
21	15	63.46	13.55	62.31	13.42	57.69	12.55	55.96	12.42	53.08	12.29	51.92	12.17		
100%	-22.90	-23.00	22.58	15.25	22.38	15.11	20.72	14.12	20.10	13.98	19.06	13.84	18.65	13.70	
	-18.80	-19.00	24.42	15.47	24.19	15.32	22.40	14.32	21.73	14.18	20.61	14.04	20.16	13.89	
	-14.7	-15	27.47	16.11	27.22	15.96	25.20	14.92	24.44	14.77	23.18	14.62	22.68	14.47	
	-12.6	-13	30.52	16.25	30.24	16.10	28.00	15.05	27.16	14.90	25.76	14.75	25.20	14.60	
	-10.5	-11	32.96	16.39	32.66	16.24	30.24	15.18	29.33	15.03	27.82	14.88	27.22	14.72	
	-9.5	-10	34.79	16.68	34.47	16.53	31.92	15.44	30.96	15.29	29.37	15.14	28.73	14.98	
	-8.5	-9.1	36.62	17.11	36.29	16.95	33.60	15.84	32.59	15.68	30.91	15.52	30.24	15.36	
	-7	-7.6	42.73	17.53	42.34	17.37	39.20	16.24	38.02	16.07	36.06	15.91	35.28	15.75	
	-5	-5.6	45.78	18.25	45.36	18.08	42.00	16.90	40.74	16.73	38.64	16.56	37.80	16.39	
	-3	-3.7	48.83	19.25	48.38	19.07	44.80	17.82	43.46	17.64	41.22	17.46	40.32	17.29	
	0	-0.7	53.72	18.82	53.22	18.64	49.28	17.42	47.80	17.25	45.34	17.08	44.35	16.90	
	3	2.2	57.99	17.11	57.46	16.95	53.20	15.84	51.60	15.68	48.94	15.52	47.88	15.36	
	5	4.1	59.21	16.39	58.67	16.24	54.32	15.18	52.69	15.03	49.97	14.88	48.89	14.72	
	7	6	61.04	14.26	60.48	14.12	56.00	13.40	54.32	13.07	51.52	12.94	50.40	12.80	
	9	7.9	62.26	14.11	61.69	13.98	57.12	13.07	55.41	12.94	52.55	12.81	51.41	12.68	
	11	9.8	62.26	13.97	61.69	13.84	57.12	12.94	55.41	12.81	52.55	12.68	51.41	12.55	
	13	11.8	62.26	13.90	61.69	13.77	57.12	12.87	55.41	12.74	52.55	12.61	51.41	12.48	
	15	13.7	62.26	13.83	61.69	13.70	57.12	12.80	55.41	12.68	52.55	12.55	51.41	12.42	
19	14.2	62.83	13.76	61.69	13.63	57.12	12.74	55.41	12.61	52.55	12.48	51.41	12.36		
21	15	62.83	13.69	61.69	13.56	57.12	12.67	55.41	12.55	52.55	12.42	51.41	12.29		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT018173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	20.78	13.88	20.59	13.75	19.06	12.85	18.49	12.72	17.54	12.60	17.16	12.47	
	-18.80	-19.00	22.46	14.08	22.26	13.95	20.61	13.03	19.99	12.90	18.96	12.77	18.55	12.64	
	-14.7	-15	25.27	14.66	25.04	14.52	23.18	13.57	22.49	13.44	21.33	13.30	20.87	13.17	
	-12.6	-13	28.08	14.79	27.82	14.65	25.76	13.69	24.99	13.56	23.70	13.42	23.18	13.28	
	-10.5	-11	30.32	14.92	30.05	14.78	27.82	13.81	26.99	13.68	25.60	13.54	25.04	13.40	
	-9.5	-10	32.01	15.18	31.72	15.04	29.37	14.05	28.49	13.91	27.02	13.77	26.43	13.63	
	-8.5	-9.1	33.69	15.57	33.38	15.42	30.91	14.41	29.98	14.27	28.44	14.13	27.82	13.98	
	-7	-7.6	39.31	15.96	38.95	15.81	36.06	14.77	34.98	14.63	33.18	14.48	32.46	14.33	
	-5	-5.6	42.12	16.61	41.73	16.45	38.64	15.38	37.48	15.22	35.55	15.07	34.78	14.91	
	-3	-3.7	44.93	17.51	44.51	17.35	41.22	16.22	39.98	16.05	37.92	15.89	37.09	15.73	
	0	-0.7	49.42	17.12	48.96	16.97	45.34	15.86	43.98	15.70	41.71	15.54	40.80	15.38	
	3	2.2	53.35	15.57	52.86	15.42	48.94	14.41	47.48	14.27	45.03	14.13	44.05	13.98	
	5	4.1	54.47	14.92	53.97	14.78	49.97	13.81	48.48	13.68	45.98	13.54	44.98	13.40	
	7	6	56.16	12.97	55.64	12.85	51.52	12.01	49.97	11.89	47.40	11.77	46.37	11.65	
	9	7.9	57.28	12.84	56.75	12.72	52.55	11.89	50.97	11.77	48.35	11.65	47.30	11.54	
	11	9.8	57.28	12.71	56.75	12.60	52.55	11.77	50.97	11.65	48.35	11.54	47.30	11.42	
	13	11.8	57.28	12.65	56.75	12.53	52.55	11.71	50.97	11.59	48.35	11.48	47.30	11.36	
	15	13.7	57.28	12.58	56.75	12.47	52.55	11.65	50.97	11.54	48.35	11.42	47.30	11.30	
19	14.2	57.81	12.52	56.75	12.40	52.55	11.59	50.97	11.48	48.35	11.36	47.30	11.24		
21	15	57.81	12.45	56.75	12.34	52.55	11.53	50.97	11.42	48.35	11.30	47.30	11.19		
80%	-22.90	-23.00	18.29	11.24	18.13	11.14	16.78	10.41	16.28	10.31	15.44	10.20	15.10	10.10	
	-18.80	-19.00	19.78	11.40	19.60	11.30	18.14	10.56	17.60	10.45	16.69	10.35	16.33	10.24	
	-14.7	-15	22.25	11.87	22.04	11.76	20.41	10.99	19.80	10.88	18.78	10.77	18.37	10.66	
	-12.6	-13	24.72	11.98	24.49	11.87	22.68	11.09	22.00	10.98	20.87	10.87	20.41	10.76	
	-10.5	-11	26.70	12.08	26.45	11.97	24.49	11.19	23.76	11.08	22.53	10.97	22.04	10.85	
	-9.5	-10	28.18	12.29	27.92	12.18	25.86	11.38	25.08	11.27	23.79	11.16	23.27	11.04	
	-8.5	-9.1	29.67	12.61	29.39	12.49	27.22	11.68	26.40	11.56	25.04	11.44	24.49	11.33	
	-7	-7.6	34.61	12.92	34.29	12.81	31.75	11.97	30.80	11.85	29.21	11.73	28.58	11.61	
	-5	-5.6	37.08	13.45	36.74	13.33	34.02	12.45	33.00	12.33	31.30	12.20	30.62	12.08	
	-3	-3.7	39.55	14.19	39.19	14.05	36.29	13.14	35.20	13.00	33.38	12.87	32.66	12.74	
	0	-0.7	43.51	13.87	43.11	13.74	39.92	12.84	38.72	12.71	36.72	12.59	35.93	12.46	
	3	2.2	46.97	12.61	46.54	12.49	43.09	11.68	41.80	11.56	39.64	11.44	38.78	11.33	
	5	4.1	47.96	12.08	47.52	11.97	44.00	11.19	42.68	11.08	40.48	10.97	39.60	10.85	
	7	6	49.44	10.51	48.99	10.41	45.36	9.73	44.00	9.63	41.73	9.54	40.82	9.44	
	9	7.9	50.43	10.40	49.97	10.31	46.27	9.63	44.88	9.54	42.57	9.44	41.64	9.34	
	11	9.8	50.43	10.30	49.97	10.20	46.27	9.54	44.88	9.44	42.57	9.34	41.64	9.25	
	13	11.8	50.43	10.25	49.97	10.15	46.27	9.49	44.88	9.39	42.57	9.30	41.64	9.20	
	15	13.7	50.43	10.19	49.97	10.10	46.27	9.44	44.88	9.34	42.57	9.25	41.64	9.15	
19	14.2	50.89	10.14	49.97	10.05	46.27	9.39	44.88	9.30	42.57	9.20	41.64	9.11		
21	15	50.89	10.09	49.97	9.99	46.27	9.34	44.88	9.25	42.57	9.15	41.64	9.06		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT018173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	15.81	10.68	15.66	10.58	14.50	9.89	14.07	9.79	13.34	9.69	13.05	9.59	
	-18.80	-19.00	17.09	10.83	16.93	10.73	15.68	10.03	15.21	9.93	14.43	9.82	14.11	9.72	
	-14.7	-15	19.23	11.28	19.05	11.17	17.64	10.44	17.11	10.34	16.23	10.23	15.88	10.13	
	-12.6	-13	21.36	11.38	21.17	11.27	19.60	10.53	19.01	10.43	18.03	10.32	17.64	10.22	
	-10.5	-11	23.07	11.48	22.86	11.37	21.17	10.63	20.53	10.52	19.47	10.41	19.05	10.31	
	-9.5	-10	24.35	11.68	24.13	11.57	22.34	10.81	21.67	10.70	20.56	10.59	20.11	10.49	
	-8.5	-9.1	25.64	11.98	25.40	11.86	23.52	11.09	22.81	10.98	21.64	10.87	21.17	10.76	
	-7	-7.6	29.91	12.27	29.64	12.16	27.44	11.37	26.62	11.25	25.24	11.14	24.70	11.02	
	-5	-5.6	32.05	12.77	31.75	12.66	29.40	11.83	28.52	11.71	27.05	11.59	26.46	11.47	
	-3	-3.7	34.18	13.47	33.87	13.35	31.36	12.47	30.42	12.35	28.85	12.22	28.22	12.10	
	0	-0.7	37.60	13.17	37.26	13.05	34.50	12.20	33.46	12.07	31.74	11.95	31.05	11.83	
	3	2.2	40.59	11.98	40.22	11.86	37.24	11.09	36.12	10.98	34.26	10.87	33.52	10.76	
	5	4.1	41.45	11.48	41.07	11.37	38.02	10.63	36.88	10.52	34.98	10.41	34.22	10.31	
	7	6	42.73	9.98	42.34	9.89	39.20	9.24	38.02	9.15	36.06	9.06	35.28	8.96	
	9	7.9	43.58	9.88	43.18	9.79	39.98	9.15	38.78	9.06	36.79	8.96	35.99	8.87	
	11	9.8	43.58	9.78	43.18	9.69	39.98	9.06	38.78	8.96	36.79	8.87	35.99	8.78	
	13	11.8	43.58	9.73	43.18	9.64	39.98	9.01	38.78	8.92	36.79	8.83	35.99	8.74	
	15	13.7	43.58	9.68	43.18	9.59	39.98	8.96	38.78	8.87	36.79	8.78	35.99	8.69	
19	14.2	43.98	9.63	43.18	9.54	39.98	8.92	38.78	8.83	36.79	8.74	35.99	8.65		
21	15	43.98	9.58	43.18	9.49	39.98	8.87	38.78	8.78	36.79	8.69	35.99	8.60		
60%	-22.90	-23.00	14.23	9.46	14.10	9.37	13.05	8.76	12.66	8.67	12.01	8.58	11.75	8.49	
	-18.80	-19.00	15.38	9.59	15.24	9.50	14.11	8.88	13.69	8.79	12.98	8.70	12.70	8.61	
	-14.7	-15	17.30	9.99	17.15	9.90	15.88	9.25	15.40	9.16	14.61	9.06	14.29	8.97	
	-12.6	-13	19.23	10.08	19.05	9.98	17.64	9.33	17.11	9.24	16.23	9.14	15.88	9.05	
	-10.5	-11	20.77	10.16	20.58	10.07	19.05	9.41	18.48	9.32	17.53	9.22	17.15	9.13	
	-9.5	-10	21.92	10.34	21.72	10.25	20.11	9.58	19.51	9.48	18.50	9.38	18.10	9.29	
	-8.5	-9.1	23.07	10.61	22.86	10.51	21.17	9.82	20.53	9.72	19.47	9.62	19.05	9.53	
	-7	-7.6	26.92	10.87	26.67	10.77	24.70	10.07	23.96	9.97	22.72	9.86	22.23	9.76	
	-5	-5.6	28.84	11.31	28.58	11.21	26.46	10.48	25.67	10.37	24.34	10.27	23.81	10.16	
	-3	-3.7	30.76	11.93	30.48	11.82	28.22	11.05	27.38	10.94	25.97	10.83	25.40	10.72	
	0	-0.7	33.84	11.67	33.53	11.56	31.05	10.80	30.12	10.69	28.56	10.59	27.94	10.48	
	3	2.2	36.53	10.61	36.20	10.51	33.52	9.82	32.51	9.72	30.83	9.62	30.16	9.53	
	5	4.1	37.30	10.16	36.96	10.07	34.22	9.41	33.19	9.32	31.48	9.22	30.80	9.13	
	7	6	38.46	8.84	38.10	8.76	35.28	8.18	34.22	8.10	32.46	8.02	31.75	7.94	
	9	7.9	39.22	8.75	38.86	8.67	35.99	8.10	34.91	8.02	33.11	7.94	32.39	7.86	
	11	9.8	39.22	8.66	38.86	8.58	35.99	8.02	34.91	7.94	33.11	7.86	32.39	7.78	
	13	11.8	39.22	8.62	38.86	8.54	35.99	7.98	34.91	7.90	33.11	7.82	32.39	7.74	
	15	13.7	39.22	8.57	38.86	8.49	35.99	7.94	34.91	7.86	33.11	7.78	32.39	7.70	
19	14.2	39.58	8.53	38.86	8.45	35.99	7.90	34.91	7.82	33.11	7.74	32.39	7.66		
21	15	39.58	8.49	38.86	8.41	35.99	7.86	34.91	7.78	33.11	7.70	32.39	7.62		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT018173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	12.20	9.92	12.08	9.82	11.19	9.18	10.85	9.09	10.29	9.00	10.07	8.91	
	-18.80	-19.00	13.18	10.05	13.06	9.96	12.10	9.31	11.73	9.22	11.13	9.12	10.89	9.03	
	-14.7	-15	14.83	10.47	14.70	10.37	13.61	9.70	13.20	9.60	12.52	9.50	12.25	9.40	
	-12.6	-13	16.48	10.56	16.33	10.47	15.12	9.78	14.67	9.68	13.91	9.59	13.61	9.49	
	-10.5	-11	17.80	10.66	17.64	10.56	16.33	9.87	15.84	9.77	15.02	9.67	14.70	9.57	
	-9.5	-10	18.79	10.84	18.62	10.74	17.24	10.04	16.72	9.94	15.86	9.84	15.51	9.74	
	-8.5	-9.1	19.78	11.12	19.60	11.02	18.14	10.30	17.60	10.19	16.69	10.09	16.33	9.99	
	-7	-7.6	23.07	11.40	22.86	11.29	21.17	10.55	20.53	10.45	19.47	10.34	19.05	10.24	
	-5	-5.6	24.72	11.86	24.49	11.75	22.68	10.98	22.00	10.87	20.87	10.76	20.41	10.65	
	-3	-3.7	26.37	12.51	26.13	12.39	24.19	11.58	23.47	11.47	22.26	11.35	21.77	11.24	
	0	-0.7	29.01	12.23	28.74	12.12	26.61	11.33	25.81	11.21	24.48	11.10	23.95	10.99	
	3	2.2	31.31	11.12	31.03	11.02	28.73	10.30	27.87	10.19	26.43	10.09	25.86	9.99	
	5	4.1	31.97	10.66	31.68	10.56	29.33	9.87	28.45	9.77	26.99	9.67	26.40	9.57	
	7	6	32.96	9.27	32.66	9.18	30.24	8.58	29.33	8.49	27.82	8.41	27.22	8.32	
	9	7.9	33.62	9.17	33.31	9.09	30.84	8.49	29.92	8.41	28.38	8.32	27.76	8.24	
	11	9.8	33.62	9.08	33.31	9.00	30.84	8.41	29.92	8.32	28.38	8.24	27.76	8.16	
	13	11.8	33.62	9.03	33.31	8.95	30.84	8.37	29.92	8.28	28.38	8.20	27.76	8.11	
15	13.7	33.62	8.99	33.31	8.91	30.84	8.32	29.92	8.24	28.38	8.16	27.76	8.07		
19	14.2	33.93	8.94	33.31	8.86	30.84	8.28	29.92	8.20	28.38	8.11	27.76	8.03		
21	15	33.93	8.90	33.31	8.81	30.84	8.24	29.92	8.15	28.38	8.07	27.76	7.99		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT020173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	25.80	16.21	25.56	16.06	23.67	15.01	22.96	14.86	21.77	14.71	21.30	14.56	
	-18.80	-19.00	27.89	16.60	27.63	16.44	25.58	15.37	24.82	15.21	23.54	15.06	23.03	14.90	
	-14.7	-15	31.37	17.28	31.08	17.12	28.78	16.00	27.92	15.84	26.48	15.68	25.90	15.52	
	-12.6	-13	34.86	17.44	34.54	17.27	31.98	16.14	31.02	15.98	29.42	15.82	28.78	15.66	
	-10.5	-11	37.65	17.59	37.30	17.43	34.54	16.29	33.50	16.12	31.78	15.96	31.08	15.80	
	-9.5	-10	39.74	17.90	39.37	17.73	36.46	16.57	35.36	16.40	33.54	16.24	32.81	16.07	
	-8.5	-9.1	41.83	18.35	41.45	18.18	38.38	16.99	37.22	16.82	35.31	16.65	34.54	16.48	
	-7	-7.6	48.80	18.81	48.35	18.64	44.77	17.42	43.43	17.25	41.19	17.07	40.29	16.90	
	-5	-5.6	52.29	19.58	51.81	19.40	47.97	18.13	46.53	17.95	44.13	17.76	43.17	17.58	
	-3	-3.7	55.77	20.65	55.26	20.46	51.17	19.12	49.63	18.93	47.07	18.74	46.05	18.55	
	0	-0.7	61.35	20.19	60.79	20.00	56.28	18.69	54.60	18.51	51.78	18.32	50.66	18.13	
	3	2.2	66.23	18.35	65.62	18.18	60.76	16.99	58.94	16.82	55.90	16.65	54.69	16.48	
	5	4.1	67.62	17.59	67.00	17.43	62.04	16.29	60.18	16.12	57.08	15.96	55.84	15.80	
	7	6	69.72	15.29	69.08	15.15	63.96	14.16	62.04	14.02	58.84	13.88	57.56	13.74	
	9	7.9	71.11	15.14	70.46	15.00	65.24	14.02	63.28	13.88	60.02	13.74	58.72	13.60	
	11	9.8	71.11	14.99	70.46	14.85	65.24	13.88	63.28	13.74	60.02	13.60	58.72	13.46	
	13	11.8	71.11	14.91	70.46	14.77	65.24	13.81	63.28	13.67	60.02	13.53	58.72	13.39	
	15	13.7	71.11	14.84	70.46	14.70	65.24	13.74	63.28	13.60	60.02	13.46	58.72	13.33	
19	14.2	71.76	14.76	70.46	14.62	65.24	13.67	63.28	13.53	60.02	13.39	58.72	13.26		
21	15	71.76	14.68	70.46	14.55	65.24	13.60	63.28	13.46	60.02	13.32	58.72	13.19		
120%	-22.90	-23.00	25.55	16.38	25.31	16.23	23.44	15.17	22.73	15.01	21.56	14.86	21.09	14.71	
	-18.80	-19.00	27.62	16.77	27.37	16.61	25.34	15.52	24.58	15.37	23.31	15.21	22.80	15.06	
	-14.7	-15	31.07	17.46	30.79	17.30	28.51	16.17	27.65	16.01	26.22	15.84	25.65	15.68	
	-12.6	-13	34.52	17.62	34.21	17.45	31.67	16.31	30.72	16.15	29.14	15.98	28.51	15.82	
	-10.5	-11	37.28	17.77	36.94	17.61	34.21	16.45	33.18	16.29	31.47	16.13	30.79	15.96	
	-9.5	-10	39.36	18.08	39.00	17.91	36.11	16.74	35.02	16.57	33.22	16.41	32.50	16.24	
	-8.5	-9.1	41.43	18.54	41.05	18.37	38.01	17.17	36.87	17.00	34.97	16.83	34.21	16.65	
	-7	-7.6	48.33	19.01	47.89	18.83	44.34	17.60	43.01	17.42	40.79	17.25	39.91	17.07	
	-5	-5.6	51.78	19.78	51.31	19.60	47.51	18.31	46.08	18.13	43.71	17.95	42.76	17.76	
	-3	-3.7	55.24	20.86	54.73	20.67	50.68	19.32	49.16	19.12	46.62	18.93	45.61	18.74	
	0	-0.7	60.76	20.40	60.20	20.21	55.74	18.89	54.07	18.70	51.28	18.51	50.17	18.32	
	3	2.2	65.59	18.54	64.99	18.37	60.18	17.17	58.37	17.00	55.36	16.83	54.16	16.65	
	5	4.1	66.97	17.77	66.36	17.61	61.44	16.45	59.60	16.29	56.53	16.13	55.30	15.96	
	7	6	69.05	15.45	68.41	15.31	63.35	14.31	61.44	14.16	58.28	14.02	57.01	13.88	
	9	7.9	70.43	15.30	69.78	15.16	64.61	14.16	62.67	14.02	59.44	13.88	58.15	13.74	
	11	9.8	70.43	15.14	69.78	15.00	64.61	14.02	62.67	13.88	59.44	13.74	58.15	13.60	
	13	11.8	70.43	15.07	69.78	14.93	64.61	13.95	62.67	13.81	59.44	13.67	58.15	13.53	
	15	13.7	70.43	14.99	69.78	14.85	64.61	13.88	62.67	13.74	59.44	13.60	58.15	13.46	
19	14.2	71.07	14.91	69.78	14.77	64.61	13.81	62.67	13.67	59.44	13.53	58.15	13.39		
21	15	71.07	14.83	69.78	14.70	64.61	13.74	62.67	13.60	59.44	13.46	58.15	13.32		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT020173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	25.05	16.55	24.82	16.39	22.98	15.32	22.29	15.17	21.14	15.01	20.68	14.86	
	-18.80	-19.00	27.08	16.94	26.83	16.78	24.85	15.68	24.10	15.53	22.86	15.37	22.36	15.21	
	-14.7	-15	30.47	17.64	30.19	17.48	27.95	16.33	27.11	16.17	25.72	16.01	25.16	15.84	
	-12.6	-13	33.85	17.80	33.54	17.63	31.06	16.48	30.13	16.31	28.57	16.15	27.95	15.98	
	-10.5	-11	36.56	17.95	36.23	17.79	33.54	16.62	32.54	16.46	30.86	16.29	30.19	16.12	
	-9.5	-10	38.59	18.26	38.24	18.09	35.41	16.91	34.34	16.74	32.57	16.57	31.86	16.40	
	-8.5	-9.1	40.62	18.73	40.25	18.56	37.27	17.34	36.15	17.17	34.29	17.00	33.54	16.82	
	-7	-7.6	47.39	19.20	46.96	19.02	43.48	17.78	42.18	17.60	40.00	17.42	39.13	17.25	
	-5	-5.6	50.78	19.98	50.31	19.80	46.59	18.50	45.19	18.32	42.86	18.13	41.93	17.95	
	-3	-3.7	54.16	21.07	53.67	20.88	49.69	19.51	48.20	19.32	45.72	19.12	44.72	18.93	
	0	-0.7	59.58	20.61	59.03	20.41	54.66	19.08	53.02	18.89	50.29	18.70	49.20	18.51	
	3	2.2	64.32	18.73	63.73	18.56	59.01	17.34	57.24	17.17	54.29	17.00	53.11	16.82	
	5	4.1	65.67	17.95	65.07	17.79	60.25	16.62	58.44	16.46	55.43	16.29	54.23	16.12	
	7	6	67.71	15.61	67.08	15.47	62.12	14.45	60.25	14.31	57.15	14.16	55.90	14.02	
	9	7.9	69.06	15.45	68.43	15.31	63.36	14.31	61.46	14.17	58.29	14.02	57.02	13.88	
	11	9.8	69.06	15.30	68.43	15.16	63.36	14.16	61.46	14.02	58.29	13.88	57.02	13.74	
	13	11.8	69.06	15.22	68.43	15.08	63.36	14.09	61.46	13.95	58.29	13.81	57.02	13.67	
	15	13.7	69.06	15.14	68.43	15.00	63.36	14.02	61.46	13.88	58.29	13.74	57.02	13.60	
19	14.2	69.69	15.06	68.43	14.92	63.36	13.95	61.46	13.81	58.29	13.67	57.02	13.53		
21	15	69.69	14.99	68.43	14.85	63.36	13.88	61.46	13.74	58.29	13.60	57.02	13.46		
100%	-22.90	-23.00	24.80	16.71	24.58	16.56	22.76	15.48	22.07	15.32	20.93	15.17	20.48	15.01	
	-18.80	-19.00	26.81	17.11	26.57	16.95	24.60	15.84	23.86	15.68	22.63	15.52	22.14	15.37	
	-14.7	-15	30.17	17.82	29.89	17.65	27.68	16.50	26.84	16.33	25.46	16.17	24.91	16.00	
	-12.6	-13	33.52	17.98	33.21	17.81	30.75	16.64	29.83	16.48	28.29	16.31	27.68	16.14	
	-10.5	-11	36.20	18.13	35.87	17.97	33.21	16.79	32.21	16.62	30.55	16.45	29.89	16.29	
	-9.5	-10	38.21	18.45	37.86	18.28	35.06	17.08	34.00	16.91	32.25	16.74	31.55	16.57	
	-8.5	-9.1	40.22	18.92	39.85	18.75	36.90	17.52	35.79	17.34	33.95	17.17	33.21	16.99	
	-7	-7.6	46.92	19.39	46.49	19.22	43.05	17.96	41.76	17.78	39.61	17.60	38.75	17.42	
	-5	-5.6	50.28	20.18	49.82	20.00	46.13	18.69	44.74	18.50	42.44	18.31	41.51	18.13	
	-3	-3.7	53.63	21.29	53.14	21.09	49.20	19.71	47.72	19.51	45.26	19.32	44.28	19.12	
	0	-0.7	58.99	20.81	58.45	20.62	54.12	19.27	52.50	19.08	49.79	18.89	48.71	18.69	
	3	2.2	63.68	18.92	63.10	18.75	58.43	17.52	56.67	17.34	53.75	17.17	52.58	16.99	
	5	4.1	65.02	18.13	64.43	17.97	59.66	16.79	57.87	16.62	54.88	16.45	53.69	16.29	
	7	6	67.04	15.77	66.42	15.62	61.50	14.60	59.66	14.45	56.58	14.31	55.35	14.16	
	9	7.9	68.38	15.61	67.75	15.47	62.73	14.45	60.85	14.31	57.71	14.16	56.46	14.02	
	11	9.8	68.38	15.45	67.75	15.31	62.73	14.31	60.85	14.16	57.71	14.02	56.46	13.88	
	13	11.8	68.38	15.37	67.75	15.23	62.73	14.24	60.85	14.09	57.71	13.95	56.46	13.81	
	15	13.7	68.38	15.29	67.75	15.15	62.73	14.16	60.85	14.02	57.71	13.88	56.46	13.74	
19	14.2	69.00	15.22	67.75	15.08	62.73	14.09	60.85	13.95	57.71	13.81	56.46	13.67		
21	15	69.00	15.14	67.75	15.00	62.73	14.02	60.85	13.88	57.71	13.74	56.46	13.60		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT020173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	22.82	15.21	22.61	15.07	20.93	14.08	20.31	13.94	19.26	13.80	18.84	13.66	
	-18.80	-19.00	24.67	15.57	24.44	15.42	22.63	14.42	21.95	14.27	20.82	14.13	20.37	13.98	
	-14.7	-15	27.75	16.21	27.50	16.06	25.46	15.01	24.70	14.86	23.42	14.71	22.91	14.56	
	-12.6	-13	30.84	16.36	30.55	16.21	28.29	15.15	27.44	14.99	26.03	14.84	25.46	14.69	
	-10.5	-11	33.30	16.50	33.00	16.35	30.55	15.28	29.64	15.13	28.11	14.97	27.50	14.82	
	-9.5	-10	35.15	16.79	34.83	16.63	32.25	15.54	31.28	15.39	29.67	15.23	29.03	15.08	
	-8.5	-9.1	37.00	17.22	36.66	17.06	33.95	15.94	32.93	15.78	31.23	15.62	30.55	15.46	
	-7	-7.6	43.17	17.65	42.77	17.49	39.61	16.34	38.42	16.18	36.44	16.01	35.65	15.85	
	-5	-5.6	46.25	18.37	45.83	18.20	42.44	17.01	41.16	16.84	39.04	16.67	38.19	16.50	
	-3	-3.7	49.34	19.37	48.89	19.19	45.26	17.94	43.91	17.76	41.64	17.58	40.74	17.40	
	0	-0.7	54.27	18.94	53.77	18.77	49.79	17.54	48.30	17.36	45.81	17.19	44.81	17.01	
	3	2.2	58.59	17.22	58.05	17.06	53.75	15.94	52.14	15.78	49.45	15.62	48.38	15.46	
	5	4.1	59.82	16.50	59.27	16.35	54.88	15.28	53.24	15.13	50.49	14.97	49.39	14.82	
	7	6	61.67	14.35	61.11	14.22	56.58	13.29	54.88	13.15	52.05	13.02	50.92	12.89	
	9	7.9	62.91	14.21	62.33	14.07	57.71	13.15	55.98	13.02	53.09	12.89	51.94	12.76	
	11	9.8	62.91	14.06	62.33	13.93	57.71	13.02	55.98	12.89	53.09	12.76	51.94	12.63	
	13	11.8	62.91	13.99	62.33	13.86	57.71	12.95	55.98	12.82	53.09	12.69	51.94	12.57	
	15	13.7	62.91	13.92	62.33	13.79	57.71	12.89	55.98	12.76	53.09	12.63	51.94	12.50	
19	14.2	63.48	13.85	62.33	13.72	57.71	12.82	55.98	12.69	53.09	12.56	51.94	12.44		
21	15	63.48	13.77	62.33	13.65	57.71	12.75	55.98	12.63	53.09	12.50	51.94	12.37		
80%	-22.90	-23.00	20.09	12.32	19.91	12.21	18.43	11.41	17.88	11.29	16.96	11.18	16.59	11.07	
	-18.80	-19.00	21.72	12.61	21.52	12.49	19.93	11.68	19.33	11.56	18.33	11.44	17.93	11.33	
	-14.7	-15	24.43	13.13	24.21	13.01	22.42	12.16	21.74	12.04	20.62	11.92	20.18	11.80	
	-12.6	-13	27.15	13.25	26.90	13.13	24.91	12.27	24.16	12.15	22.91	12.02	22.42	11.90	
	-10.5	-11	29.32	13.37	29.05	13.24	26.90	12.38	26.09	12.25	24.75	12.13	24.21	12.00	
	-9.5	-10	30.95	13.60	30.67	13.47	28.39	12.59	27.54	12.47	26.12	12.34	25.56	12.21	
	-8.5	-9.1	32.58	13.95	32.28	13.82	29.89	12.91	28.99	12.78	27.50	12.66	26.90	12.53	
	-7	-7.6	38.01	14.30	37.66	14.16	34.87	13.24	33.82	13.10	32.08	12.97	31.38	12.84	
	-5	-5.6	40.72	14.88	40.35	14.74	37.36	13.77	36.24	13.64	34.37	13.50	33.63	13.36	
	-3	-3.7	43.44	15.69	43.04	15.55	39.85	14.53	38.66	14.38	36.66	14.24	35.87	14.09	
	0	-0.7	47.78	15.34	47.34	15.20	43.84	14.21	42.52	14.06	40.33	13.92	39.45	13.78	
	3	2.2	51.58	13.95	51.11	13.82	47.32	12.91	45.90	12.78	43.54	12.66	42.59	12.53	
	5	4.1	52.67	13.37	52.19	13.24	48.32	12.38	46.87	12.25	44.45	12.13	43.49	12.00	
	7	6	54.30	11.62	53.80	11.51	49.82	10.76	48.32	10.65	45.83	10.55	44.83	10.44	
	9	7.9	55.38	11.51	54.88	11.40	50.81	10.65	49.29	10.55	46.75	10.44	45.73	10.33	
	11	9.8	55.38	11.39	54.88	11.28	50.81	10.55	49.29	10.44	46.75	10.34	45.73	10.23	
	13	11.8	55.38	11.33	54.88	11.23	50.81	10.49	49.29	10.39	46.75	10.28	45.73	10.18	
	15	13.7	55.38	11.27	54.88	11.17	50.81	10.44	49.29	10.33	46.75	10.23	45.73	10.13	
19	14.2	55.89	11.22	54.88	11.11	50.81	10.39	49.29	10.28	46.75	10.18	45.73	10.07		
21	15	55.89	11.16	54.88	11.05	50.81	10.33	49.29	10.23	46.75	10.12	45.73	10.02		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT020173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	17.36	11.70	17.20	11.59	15.93	10.83	15.45	10.72	14.65	10.62	14.34	10.51	
	-18.80	-19.00	18.77	11.98	18.60	11.86	17.22	11.09	16.70	10.98	15.84	10.87	15.50	10.76	
	-14.7	-15	21.12	12.47	20.92	12.36	19.37	11.55	18.79	11.43	17.82	11.32	17.44	11.20	
	-12.6	-13	23.46	12.58	23.25	12.47	21.53	11.65	20.88	11.53	19.80	11.42	19.37	11.30	
	-10.5	-11	25.34	12.69	25.11	12.58	23.25	11.75	22.55	11.64	21.39	11.52	20.92	11.40	
	-9.5	-10	26.75	12.91	26.50	12.79	24.54	11.96	23.80	11.84	22.58	11.72	22.08	11.60	
	-8.5	-9.1	28.15	13.25	27.90	13.12	25.83	12.26	25.06	12.14	23.76	12.02	23.25	11.90	
	-7	-7.6	32.85	13.58	32.55	13.45	30.14	12.57	29.23	12.44	27.72	12.32	27.12	12.19	
	-5	-5.6	35.19	14.13	34.87	14.00	32.29	13.08	31.32	12.95	29.70	12.82	29.06	12.69	
	-3	-3.7	37.54	14.90	37.20	14.76	34.44	13.80	33.41	13.66	31.68	13.52	31.00	13.38	
	0	-0.7	41.29	14.57	40.91	14.43	37.88	13.49	36.75	13.36	34.85	13.22	34.10	13.09	
	3	2.2	44.58	13.25	44.17	13.12	40.90	12.26	39.67	12.14	37.63	12.02	36.81	11.90	
	5	4.1	45.52	12.69	45.10	12.58	41.76	11.75	40.51	11.64	38.42	11.52	37.58	11.40	
	7	6	46.92	11.04	46.49	10.94	43.05	10.22	41.76	10.12	39.61	10.02	38.75	9.91	
	9	7.9	47.86	10.93	47.42	10.83	43.91	10.12	42.59	10.02	40.40	9.92	39.52	9.81	
	11	9.8	47.86	10.82	47.42	10.72	43.91	10.02	42.59	9.92	40.40	9.82	39.52	9.72	
	13	11.8	47.86	10.76	47.42	10.66	43.91	9.96	42.59	9.86	40.40	9.77	39.52	9.67	
	15	13.7	47.86	10.71	47.42	10.61	43.91	9.91	42.59	9.81	40.40	9.72	39.52	9.62	
19	14.2	48.30	10.65	47.42	10.55	43.91	9.86	42.59	9.76	40.40	9.67	39.52	9.57		
21	15	48.30	10.60	47.42	10.50	43.91	9.81	42.59	9.71	40.40	9.61	39.52	9.52		
60%	-22.90	-23.00	15.63	10.36	15.48	10.27	14.34	9.60	13.91	9.50	13.19	9.40	12.90	9.31	
	-18.80	-19.00	16.89	10.61	16.74	10.51	15.50	9.82	15.03	9.72	14.26	9.62	13.95	9.53	
	-14.7	-15	19.00	11.05	18.83	10.94	17.44	10.23	16.91	10.13	16.04	10.02	15.69	9.92	
	-12.6	-13	21.12	11.14	20.92	11.04	19.37	10.32	18.79	10.22	17.82	10.11	17.44	10.01	
	-10.5	-11	22.81	11.24	22.60	11.14	20.92	10.41	20.29	10.31	19.25	10.20	18.83	10.10	
	-9.5	-10	24.07	11.44	23.85	11.33	22.08	10.59	21.42	10.48	20.32	10.38	19.88	10.27	
	-8.5	-9.1	25.34	11.73	25.11	11.62	23.25	10.86	22.55	10.75	21.39	10.65	20.92	10.54	
	-7	-7.6	29.56	12.02	29.29	11.91	27.12	11.13	26.31	11.02	24.95	10.91	24.41	10.80	
	-5	-5.6	31.67	12.51	31.38	12.40	29.06	11.59	28.19	11.47	26.73	11.35	26.15	11.24	
	-3	-3.7	33.79	13.20	33.48	13.08	31.00	12.22	30.07	12.10	28.52	11.98	27.90	11.85	
	0	-0.7	37.16	12.90	36.82	12.79	34.10	11.95	33.07	11.83	31.37	11.71	30.69	11.59	
	3	2.2	40.12	11.73	39.75	11.62	36.81	10.86	35.70	10.75	33.86	10.65	33.13	10.54	
	5	4.1	40.97	11.24	40.59	11.14	37.58	10.41	36.46	10.31	34.58	10.20	33.82	10.10	
	7	6	42.23	9.78	41.84	9.69	38.75	9.05	37.58	8.96	35.65	8.87	34.87	8.78	
	9	7.9	43.08	9.68	42.68	9.59	39.52	8.96	38.33	8.87	36.36	8.78	35.57	8.69	
	11	9.8	43.08	9.58	42.68	9.49	39.52	8.87	38.33	8.78	36.36	8.69	35.57	8.60	
	13	11.8	43.08	9.53	42.68	9.44	39.52	8.83	38.33	8.74	36.36	8.65	35.57	8.56	
	15	13.7	43.08	9.48	42.68	9.40	39.52	8.78	38.33	8.69	36.36	8.60	35.57	8.52	
19	14.2	43.47	9.43	42.68	9.35	39.52	8.74	38.33	8.65	36.36	8.56	35.57	8.47		
21	15	43.47	9.39	42.68	9.30	39.52	8.69	38.33	8.60	36.36	8.52	35.57	8.43		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT020173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	13.39	10.86	13.27	10.76	12.29	10.06	11.92	9.96	11.30	9.86	11.06	9.76	
	-18.80	-19.00	14.48	11.12	14.35	11.02	13.28	10.30	12.89	10.19	12.22	10.09	11.96	9.99	
	-14.7	-15	16.29	11.58	16.14	11.47	14.94	10.72	14.50	10.62	13.75	10.51	13.45	10.40	
	-12.6	-13	18.10	11.68	17.93	11.58	16.61	10.82	16.11	10.71	15.28	10.60	14.94	10.49	
	-10.5	-11	19.55	11.79	19.37	11.68	17.93	10.91	17.40	10.80	16.50	10.70	16.14	10.59	
	-9.5	-10	20.63	11.99	20.44	11.88	18.93	11.10	18.36	10.99	17.42	10.88	17.04	10.77	
	-8.5	-9.1	21.72	12.30	21.52	12.19	19.93	11.39	19.33	11.27	18.33	11.16	17.93	11.05	
	-7	-7.6	25.34	12.61	25.11	12.49	23.25	11.67	22.55	11.56	21.39	11.44	20.92	11.32	
	-5	-5.6	27.15	13.12	26.90	13.00	24.91	12.15	24.16	12.03	22.91	11.90	22.42	11.78	
	-3	-3.7	28.96	13.84	28.69	13.71	26.57	12.81	25.77	12.68	24.44	12.56	23.91	12.43	
	0	-0.7	31.86	13.53	31.56	13.40	29.22	12.53	28.35	12.40	26.89	12.28	26.30	12.15	
	3	2.2	34.39	12.30	34.07	12.19	31.55	11.39	30.60	11.27	29.03	11.16	28.39	11.05	
	5	4.1	35.11	11.79	34.79	11.68	32.21	10.91	31.25	10.80	29.64	10.70	28.99	10.59	
	7	6	36.20	10.25	35.87	10.15	33.21	9.49	32.21	9.40	30.55	9.30	29.89	9.21	
	9	7.9	36.92	10.15	36.58	10.05	33.87	9.40	32.86	9.30	31.16	9.21	30.49	9.11	
	11	9.8	36.92	10.04	36.58	9.95	33.87	9.30	32.86	9.21	31.16	9.11	30.49	9.02	
	13	11.8	36.92	9.99	36.58	9.90	33.87	9.25	32.86	9.16	31.16	9.07	30.49	8.98	
15	13.7	36.92	9.94	36.58	9.85	33.87	9.21	32.86	9.11	31.16	9.02	30.49	8.93		
19	14.2	37.26	9.89	36.58	9.80	33.87	9.16	32.86	9.07	31.16	8.97	30.49	8.88		
21	15	37.26	9.84	36.58	9.75	33.87	9.11	32.86	9.02	31.16	8.93	30.49	8.84		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT022173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	28.94	17.10	28.68	16.94	26.55	15.83	25.75	15.68	24.43	15.52	23.90	15.36	
	-18.80	-19.00	31.29	17.50	31.00	17.34	28.70	16.21	27.84	16.05	26.41	15.88	25.83	15.72	
	-14.7	-15	35.20	18.23	34.88	18.06	32.29	16.88	31.32	16.71	29.71	16.54	29.06	16.37	
	-12.6	-13	39.11	18.39	38.75	18.22	35.88	17.03	34.80	16.86	33.01	16.69	32.29	16.52	
	-10.5	-11	42.24	18.55	41.85	18.38	38.75	17.18	37.59	17.01	35.65	16.84	34.88	16.66	
	-9.5	-10	44.58	18.88	44.18	18.70	40.90	17.48	39.68	17.30	37.63	17.13	36.81	16.95	
	-8.5	-9.1	46.93	19.36	46.50	19.18	43.06	17.93	41.76	17.75	39.61	17.57	38.75	17.39	
	-7	-7.6	54.75	19.84	54.25	19.66	50.23	18.37	48.73	18.19	46.21	18.01	45.21	17.82	
	-5	-5.6	58.66	20.65	58.13	20.46	53.82	19.12	52.21	18.93	49.51	18.74	48.44	18.55	
	-3	-3.7	62.57	21.78	62.00	21.58	57.41	20.17	55.69	19.96	52.82	19.76	51.67	19.56	
	0	-0.7	68.83	21.30	68.20	21.10	63.15	19.72	61.25	19.52	58.10	19.32	56.83	19.13	
	3	2.2	74.31	19.36	73.63	19.18	68.17	17.93	66.13	17.75	62.72	17.57	61.35	17.39	
	5	4.1	75.87	18.55	75.18	18.38	69.61	17.18	67.52	17.01	64.04	16.84	62.65	16.66	
	7	6	78.22	16.13	77.50	15.98	71.76	14.94	69.61	14.79	66.02	14.64	64.58	14.49	
	9	7.9	79.78	15.97	79.05	15.82	73.20	14.79	71.00	14.64	67.34	14.49	65.88	14.34	
	11	9.8	79.78	15.81	79.05	15.66	73.20	14.64	71.00	14.49	67.34	14.35	65.88	14.20	
	13	11.8	79.78	15.73	79.05	15.58	73.20	14.56	71.00	14.42	67.34	14.27	65.88	14.13	
	15	13.7	79.78	15.65	79.05	15.50	73.20	14.49	71.00	14.34	67.34	14.20	65.88	14.06	
19	14.2	80.51	15.57	79.05	15.42	73.20	14.42	71.00	14.27	67.34	14.13	65.88	13.98		
21	15	80.51	15.49	79.05	15.34	73.20	14.34	71.00	14.20	67.34	14.05	65.88	13.91		
120%	-22.90	-23.00	28.66	17.28	28.40	17.12	26.30	16.00	25.51	15.84	24.19	15.68	23.67	15.52	
	-18.80	-19.00	30.99	17.68	30.70	17.52	28.43	16.37	27.58	16.21	26.15	16.05	25.59	15.88	
	-14.7	-15	34.86	18.42	34.54	18.25	31.98	17.05	31.02	16.88	29.42	16.71	28.78	16.54	
	-12.6	-13	38.73	18.58	38.38	18.41	35.54	17.20	34.47	17.03	32.69	16.86	31.98	16.69	
	-10.5	-11	41.83	18.74	41.45	18.57	38.38	17.36	37.23	17.18	35.31	17.01	34.54	16.84	
	-9.5	-10	44.16	19.07	43.75	18.89	40.51	17.66	39.29	17.48	37.27	17.30	36.46	17.13	
	-8.5	-9.1	46.48	19.56	46.05	19.38	42.64	18.11	41.36	17.93	39.23	17.75	38.38	17.57	
	-7	-7.6	54.23	20.05	53.73	19.86	49.75	18.56	48.26	18.38	45.77	18.19	44.77	18.01	
	-5	-5.6	58.10	20.86	57.57	20.67	53.30	19.32	51.70	19.12	49.04	18.93	47.97	18.74	
	-3	-3.7	61.97	22.00	61.40	21.80	56.86	20.37	55.15	20.17	52.31	19.97	51.17	19.76	
	0	-0.7	68.17	21.52	67.54	21.32	62.54	19.92	60.67	19.72	57.54	19.52	56.29	19.32	
	3	2.2	73.59	19.56	72.92	19.38	67.52	18.11	65.49	17.93	62.12	17.75	60.76	17.57	
	5	4.1	75.14	18.74	74.45	18.57	68.94	17.36	66.87	17.18	63.42	17.01	62.04	16.84	
	7	6	77.47	16.30	76.76	16.15	71.07	15.09	68.94	14.94	65.38	14.79	63.96	14.64	
	9	7.9	79.02	16.14	78.29	15.99	72.49	14.94	70.32	14.79	66.69	14.64	65.24	14.49	
	11	9.8	79.02	15.97	78.29	15.83	72.49	14.79	70.32	14.64	66.69	14.49	65.24	14.35	
	13	11.8	79.02	15.89	78.29	15.74	72.49	14.71	70.32	14.57	66.69	14.42	65.24	14.27	
	15	13.7	79.02	15.81	78.29	15.66	72.49	14.64	70.32	14.49	66.69	14.35	65.24	14.20	
19	14.2	79.74	15.73	78.29	15.58	72.49	14.56	70.32	14.42	66.69	14.27	65.24	14.13		
21	15	79.74	15.65	78.29	15.50	72.49	14.49	70.32	14.34	66.69	14.20	65.24	14.05		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT022173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	28.11	17.45	27.85	17.29	25.79	16.16	25.01	16.00	23.72	15.84	23.21	15.68	
	-18.80	-19.00	30.38	17.87	30.11	17.70	27.88	16.54	27.04	16.38	25.65	16.21	25.09	16.05	
	-14.7	-15	34.18	18.61	33.87	18.43	31.36	17.23	30.42	17.06	28.85	16.88	28.22	16.71	
	-12.6	-13	37.98	18.77	37.63	18.60	34.85	17.38	33.80	17.21	32.06	17.03	31.36	16.86	
	-10.5	-11	41.02	18.94	40.64	18.76	37.63	17.53	36.50	17.36	34.62	17.18	33.87	17.01	
	-9.5	-10	43.30	19.26	42.90	19.09	39.72	17.84	38.53	17.66	36.55	17.48	35.75	17.30	
	-8.5	-9.1	45.58	19.76	45.16	19.58	41.81	18.30	40.56	18.11	38.47	17.93	37.63	17.75	
	-7	-7.6	53.17	20.25	52.69	20.07	48.78	18.75	47.32	18.57	44.88	18.38	43.90	18.19	
	-5	-5.6	56.97	21.08	56.45	20.88	52.27	19.51	50.70	19.32	48.09	19.12	47.04	18.93	
	-3	-3.7	60.77	22.23	60.21	22.02	55.75	20.58	54.08	20.38	51.29	20.17	50.18	19.96	
	0	-0.7	66.85	21.73	66.23	21.53	61.33	20.12	59.49	19.92	56.42	19.72	55.19	19.52	
	3	2.2	72.16	19.76	71.50	19.58	66.21	18.30	64.22	18.11	60.91	17.93	59.58	17.75	
	5	4.1	73.68	18.94	73.01	18.76	67.60	17.53	65.57	17.36	62.19	17.18	60.84	17.01	
	7	6	75.96	16.47	75.27	16.31	69.69	15.25	67.60	15.09	64.11	14.94	62.72	14.79	
	9	7.9	77.48	16.30	76.77	16.15	71.08	15.09	68.95	14.94	65.40	14.79	63.98	14.64	
	11	9.8	77.48	16.14	76.77	15.99	71.08	14.94	68.95	14.79	65.40	14.64	63.98	14.49	
	13	11.8	77.48	16.05	76.77	15.91	71.08	14.86	68.95	14.72	65.40	14.57	63.98	14.42	
	15	13.7	77.48	15.97	76.77	15.82	71.08	14.79	68.95	14.64	65.40	14.49	63.98	14.34	
19	14.2	78.19	15.89	76.77	15.74	71.08	14.71	68.95	14.57	65.40	14.42	63.98	14.27		
21	15	78.19	15.81	76.77	15.66	71.08	14.64	68.95	14.49	65.40	14.34	63.98	14.20		
100%	-22.90	-23.00	27.83	17.63	27.57	17.47	25.53	16.32	24.76	16.16	23.49	16.00	22.98	15.83	
	-18.80	-19.00	30.08	18.05	29.81	17.88	27.60	16.71	26.77	16.54	25.39	16.37	24.84	16.21	
	-14.7	-15	33.84	18.79	33.53	18.62	31.05	17.40	30.12	17.23	28.57	17.05	27.95	16.88	
	-12.6	-13	37.61	18.96	37.26	18.78	34.50	17.56	33.47	17.38	31.74	17.20	31.05	17.03	
	-10.5	-11	40.61	19.13	40.24	18.95	37.26	17.71	36.14	17.53	34.28	17.36	33.53	17.18	
	-9.5	-10	42.87	19.46	42.48	19.28	39.33	18.02	38.15	17.84	36.18	17.66	35.40	17.48	
	-8.5	-9.1	45.13	19.96	44.71	19.77	41.40	18.48	40.16	18.30	38.09	18.11	37.26	17.93	
	-7	-7.6	52.65	20.46	52.16	20.27	48.30	18.94	46.85	18.75	44.44	18.56	43.47	18.37	
	-5	-5.6	56.41	21.29	55.89	21.09	51.75	19.71	50.20	19.51	47.61	19.32	46.58	19.12	
	-3	-3.7	60.17	22.45	59.62	22.25	55.20	20.79	53.54	20.58	50.78	20.37	49.68	20.17	
	0	-0.7	66.18	21.95	65.58	21.75	60.72	20.33	58.90	20.12	55.86	19.92	54.65	19.72	
	3	2.2	71.45	19.96	70.79	19.77	65.55	18.48	63.58	18.30	60.31	18.11	59.00	17.93	
	5	4.1	72.95	19.13	72.28	18.95	66.93	17.71	64.92	17.53	61.58	17.36	60.24	17.18	
	7	6	75.21	16.63	74.52	16.48	69.00	15.40	66.93	15.25	63.48	15.09	62.10	14.94	
	9	7.9	76.71	16.47	76.01	16.31	70.38	15.25	68.27	15.09	64.75	14.94	63.34	14.79	
	11	9.8	76.71	16.30	76.01	16.15	70.38	15.09	68.27	14.94	64.75	14.79	63.34	14.64	
	13	11.8	76.71	16.22	76.01	16.07	70.38	15.02	68.27	14.86	64.75	14.71	63.34	14.56	
	15	13.7	76.71	16.13	76.01	15.98	70.38	14.94	68.27	14.79	64.75	14.64	63.34	14.49	
19	14.2	77.42	16.05	76.01	15.90	70.38	14.86	68.27	14.71	64.75	14.56	63.34	14.42		
21	15	77.42	15.97	76.01	15.82	70.38	14.78	68.27	14.64	64.75	14.49	63.34	14.34		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT022173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	25.60	16.04	25.37	15.89	23.49	14.85	22.78	14.71	21.61	14.56	21.14	14.41	
	-18.80	-19.00	27.68	16.42	27.42	16.27	25.39	15.21	24.63	15.05	23.36	14.90	22.85	14.75	
	-14.7	-15	31.14	17.10	30.85	16.94	28.57	15.84	27.71	15.68	26.28	15.52	25.71	15.36	
	-12.6	-13	34.60	17.25	34.28	17.09	31.74	15.98	30.79	15.82	29.20	15.66	28.57	15.50	
	-10.5	-11	37.36	17.41	37.02	17.24	34.28	16.12	33.25	15.95	31.54	15.79	30.85	15.63	
	-9.5	-10	39.44	17.71	39.08	17.54	36.18	16.40	35.10	16.23	33.29	16.07	32.57	15.90	
	-8.5	-9.1	41.52	18.16	41.14	17.99	38.09	16.82	36.95	16.65	35.04	16.48	34.28	16.31	
	-7	-7.6	48.44	18.62	47.99	18.44	44.44	17.24	43.10	17.06	40.88	16.89	39.99	16.72	
	-5	-5.6	51.89	19.37	51.42	19.19	47.61	17.94	46.18	17.76	43.80	17.58	42.85	17.40	
	-3	-3.7	55.35	20.43	54.85	20.24	50.78	18.92	49.26	18.73	46.72	18.54	45.71	18.35	
	0	-0.7	60.89	19.98	60.33	19.79	55.86	18.50	54.19	18.31	51.39	18.13	50.28	17.94	
	3	2.2	65.73	18.16	65.13	17.99	60.31	16.82	58.50	16.65	55.48	16.48	54.28	16.31	
	5	4.1	67.12	17.41	66.50	17.24	61.58	16.12	59.73	15.95	56.65	15.79	55.42	15.63	
	7	6	69.19	15.14	68.56	14.99	63.48	14.01	61.58	13.87	58.40	13.73	57.13	13.59	
	9	7.9	70.58	14.98	69.93	14.85	64.75	13.87	62.81	13.74	59.57	13.60	58.27	13.46	
	11	9.8	70.58	14.83	69.93	14.70	64.75	13.73	62.81	13.60	59.57	13.46	58.27	13.32	
	13	11.8	70.58	14.76	69.93	14.62	64.75	13.66	62.81	13.53	59.57	13.39	58.27	13.25	
	15	13.7	70.58	14.68	69.93	14.55	64.75	13.59	62.81	13.46	59.57	13.32	58.27	13.19	
19	14.2	71.22	14.61	69.93	14.47	64.75	13.52	62.81	13.39	59.57	13.25	58.27	13.12		
21	15	71.22	14.53	69.93	14.40	64.75	13.45	62.81	13.32	59.57	13.18	58.27	13.05		
80%	-22.90	-23.00	22.54	13.00	22.33	12.87	20.68	12.03	20.06	11.91	19.02	11.79	18.61	11.67	
	-18.80	-19.00	24.37	13.30	24.14	13.18	22.36	12.32	21.69	12.19	20.57	12.07	20.12	11.95	
	-14.7	-15	27.41	13.85	27.16	13.72	25.15	12.83	24.40	12.70	23.14	12.57	22.64	12.44	
	-12.6	-13	30.46	13.98	30.18	13.85	27.95	12.94	27.11	12.81	25.71	12.68	25.15	12.55	
	-10.5	-11	32.90	14.10	32.60	13.97	30.18	13.05	29.28	12.92	27.77	12.79	27.16	12.66	
	-9.5	-10	34.72	14.34	34.41	14.21	31.86	13.28	30.90	13.15	29.31	13.02	28.67	12.88	
	-8.5	-9.1	36.55	14.71	36.22	14.58	33.53	13.62	32.53	13.49	30.85	13.35	30.18	13.21	
	-7	-7.6	42.64	15.08	42.25	14.94	39.12	13.96	37.95	13.82	35.99	13.68	35.21	13.54	
	-5	-5.6	45.69	15.69	45.27	15.55	41.92	14.53	40.66	14.38	38.56	14.24	37.73	14.09	
	-3	-3.7	48.74	16.55	48.29	16.40	44.71	15.32	43.37	15.17	41.14	15.02	40.24	14.86	
	0	-0.7	53.61	16.18	53.12	16.03	49.18	14.98	47.71	14.83	45.25	14.68	44.26	14.53	
	3	2.2	57.87	14.71	57.34	14.58	53.10	13.62	51.50	13.49	48.85	13.35	47.79	13.21	
	5	4.1	59.09	14.10	58.55	13.97	54.21	13.05	52.59	12.92	49.88	12.79	48.79	12.66	
	7	6	60.92	12.26	60.36	12.15	55.89	11.35	54.21	11.24	51.42	11.12	50.30	11.01	
	9	7.9	62.14	12.14	61.57	12.02	57.01	11.24	55.30	11.13	52.45	11.01	51.31	10.90	
	11	9.8	62.14	12.01	61.57	11.90	57.01	11.12	55.30	11.01	52.45	10.90	51.31	10.79	
	13	11.8	62.14	11.95	61.57	11.84	57.01	11.07	55.30	10.96	52.45	10.85	51.31	10.74	
	15	13.7	62.14	11.89	61.57	11.78	57.01	11.01	55.30	10.90	52.45	10.79	51.31	10.68	
19	14.2	62.71	11.83	61.57	11.72	57.01	10.95	55.30	10.84	52.45	10.73	51.31	10.63		
21	15	62.71	11.77	61.57	11.66	57.01	10.90	55.30	10.79	52.45	10.68	51.31	10.57		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT022173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	19.48	12.34	19.30	12.23	17.87	11.43	17.33	11.31	16.44	11.20	16.08	11.08	
	-18.80	-19.00	21.06	12.63	20.87	12.52	19.32	11.70	18.74	11.58	17.77	11.46	17.39	11.35	
	-14.7	-15	23.69	13.16	23.47	13.03	21.74	12.18	21.08	12.06	20.00	11.94	19.56	11.82	
	-12.6	-13	26.32	13.27	26.08	13.15	24.15	12.29	23.43	12.17	22.22	12.04	21.74	11.92	
	-10.5	-11	28.43	13.39	28.17	13.26	26.08	12.40	25.30	12.27	24.00	12.15	23.47	12.03	
	-9.5	-10	30.01	13.62	29.73	13.50	27.53	12.61	26.71	12.49	25.33	12.36	24.78	12.23	
	-8.5	-9.1	31.59	13.97	31.30	13.84	28.98	12.94	28.11	12.81	26.66	12.68	26.08	12.55	
	-7	-7.6	36.85	14.32	36.51	14.19	33.81	13.26	32.80	13.13	31.11	12.99	30.43	12.86	
	-5	-5.6	39.49	14.90	39.12	14.76	36.23	13.80	35.14	13.66	33.33	13.52	32.60	13.38	
	-3	-3.7	42.12	15.72	41.73	15.57	38.64	14.55	37.48	14.41	35.55	14.26	34.78	14.12	
	0	-0.7	46.33	15.37	45.90	15.23	42.50	14.23	41.23	14.09	39.10	13.95	38.25	13.80	
	3	2.2	50.01	13.97	49.56	13.84	45.89	12.94	44.51	12.81	42.21	12.68	41.30	12.55	
	5	4.1	51.07	13.39	50.60	13.26	46.85	12.40	45.45	12.27	43.10	12.15	42.17	12.03	
	7	6	52.65	11.64	52.16	11.53	48.30	10.78	46.85	10.67	44.44	10.56	43.47	10.46	
	9	7.9	53.70	11.53	53.21	11.42	49.27	10.67	47.79	10.57	45.32	10.46	44.34	10.35	
	11	9.8	53.70	11.41	53.21	11.30	49.27	10.56	47.79	10.46	45.32	10.35	44.34	10.25	
	13	11.8	53.70	11.35	53.21	11.25	49.27	10.51	47.79	10.41	45.32	10.30	44.34	10.20	
	15	13.7	53.70	11.29	53.21	11.19	49.27	10.46	47.79	10.35	45.32	10.25	44.34	10.14	
19	14.2	54.19	11.23	53.21	11.13	49.27	10.40	47.79	10.30	45.32	10.19	44.34	10.09		
21	15	54.19	11.18	53.21	11.07	49.27	10.35	47.79	10.25	45.32	10.14	44.34	10.04		
60%	-22.90	-23.00	17.53	10.93	17.37	10.83	16.08	10.12	15.60	10.02	14.80	9.92	14.48	9.82	
	-18.80	-19.00	18.95	11.19	18.78	11.08	17.39	10.36	16.87	10.26	16.00	10.15	15.65	10.05	
	-14.7	-15	21.32	11.65	21.13	11.54	19.56	10.79	18.97	10.68	18.00	10.57	17.61	10.47	
	-12.6	-13	23.69	11.76	23.47	11.65	21.74	10.88	21.08	10.78	20.00	10.67	19.56	10.56	
	-10.5	-11	25.59	11.86	25.35	11.75	23.47	10.98	22.77	10.87	21.60	10.76	21.13	10.65	
	-9.5	-10	27.01	12.06	26.76	11.95	24.78	11.17	24.03	11.06	22.80	10.95	22.30	10.84	
	-8.5	-9.1	28.43	12.37	28.17	12.26	26.08	11.46	25.30	11.34	24.00	11.23	23.47	11.11	
	-7	-7.6	33.17	12.68	32.86	12.57	30.43	11.74	29.52	11.63	27.99	11.51	27.39	11.39	
	-5	-5.6	35.54	13.20	35.21	13.08	32.60	12.22	31.62	12.10	29.99	11.98	29.34	11.85	
	-3	-3.7	37.91	13.92	37.56	13.79	34.78	12.89	33.73	12.76	31.99	12.63	31.30	12.50	
	0	-0.7	41.70	13.61	41.31	13.49	38.25	12.60	37.11	12.48	35.19	12.35	34.43	12.23	
	3	2.2	45.01	12.37	44.60	12.26	41.30	11.46	40.06	11.34	37.99	11.23	37.17	11.11	
	5	4.1	45.96	11.86	45.54	11.75	42.17	10.98	40.90	10.87	38.79	10.76	37.95	10.65	
	7	6	47.38	10.31	46.95	10.22	43.47	9.55	42.17	9.45	39.99	9.36	39.12	9.26	
	9	7.9	48.33	10.21	47.89	10.11	44.34	9.45	43.01	9.36	40.79	9.26	39.91	9.17	
	11	9.8	48.33	10.11	47.89	10.01	44.34	9.36	43.01	9.26	40.79	9.17	39.91	9.08	
	13	11.8	48.33	10.05	47.89	9.96	44.34	9.31	43.01	9.22	40.79	9.12	39.91	9.03	
	15	13.7	48.33	10.00	47.89	9.91	44.34	9.26	43.01	9.17	40.79	9.08	39.91	8.98	
19	14.2	48.77	9.95	47.89	9.86	44.34	9.21	43.01	9.12	40.79	9.03	39.91	8.94		
21	15	48.77	9.90	47.89	9.81	44.34	9.17	43.01	9.07	40.79	8.98	39.91	8.89		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT022173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	15.03	11.46	14.89	11.35	13.79	10.61	13.37	10.50	12.68	10.40	12.41	10.29	
	-18.80	-19.00	16.25	11.73	16.10	11.62	14.90	10.86	14.46	10.75	13.71	10.64	13.41	10.54	
	-14.7	-15	18.28	12.22	18.11	12.10	16.77	11.31	16.26	11.20	15.43	11.09	15.09	10.97	
	-12.6	-13	20.31	12.32	20.12	12.21	18.63	11.41	18.07	11.30	17.14	11.18	16.77	11.07	
	-10.5	-11	21.93	12.43	21.73	12.32	20.12	11.51	19.52	11.40	18.51	11.28	18.11	11.17	
	-9.5	-10	23.15	12.65	22.94	12.53	21.24	11.71	20.60	11.59	19.54	11.48	19.11	11.36	
	-8.5	-9.1	24.37	12.97	24.14	12.85	22.36	12.01	21.69	11.89	20.57	11.77	20.12	11.65	
	-7	-7.6	28.43	13.30	28.17	13.17	26.08	12.31	25.30	12.19	24.00	12.07	23.47	11.94	
	-5	-5.6	30.46	13.84	30.18	13.71	27.95	12.81	27.11	12.68	25.71	12.56	25.15	12.43	
	-3	-3.7	32.49	14.59	32.19	14.46	29.81	13.51	28.91	13.38	27.42	13.24	26.83	13.11	
	0	-0.7	35.74	14.27	35.41	14.14	32.79	13.21	31.81	13.08	30.17	12.95	29.51	12.82	
	3	2.2	38.58	12.97	38.23	12.85	35.40	12.01	34.34	11.89	32.57	11.77	31.86	11.65	
	5	4.1	39.39	12.43	39.03	12.32	36.14	11.51	35.06	11.40	33.25	11.28	32.53	11.17	
	7	6	40.61	10.81	40.24	10.71	37.26	10.01	36.14	9.91	34.28	9.81	33.53	9.71	
	9	7.9	41.43	10.70	41.05	10.60	38.01	9.91	36.87	9.81	34.96	9.71	34.20	9.61	
	11	9.8	41.43	10.59	41.05	10.50	38.01	9.81	36.87	9.71	34.96	9.61	34.20	9.52	
	13	11.8	41.43	10.54	41.05	10.44	38.01	9.76	36.87	9.66	34.96	9.56	34.20	9.47	
15	13.7	41.43	10.49	41.05	10.39	38.01	9.71	36.87	9.61	34.96	9.52	34.20	9.42		
19	14.2	41.81	10.43	41.05	10.34	38.01	9.66	36.87	9.56	34.96	9.47	34.20	9.37		
21	15	41.81	10.38	41.05	10.28	38.01	9.61	36.87	9.51	34.96	9.42	34.20	9.32		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT024173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	30.62	18.66	30.34	18.48	28.09	17.27	27.25	17.10	25.84	16.93	25.28	16.76	
	-18.80	-19.00	33.10	19.10	32.80	18.92	30.37	17.68	29.46	17.50	27.94	17.33	27.33	17.15	
	-14.7	-15	37.24	19.89	36.90	19.70	34.16	18.41	33.14	18.23	31.43	18.05	30.75	17.86	
	-12.6	-13	41.38	20.06	41.00	19.88	37.96	18.58	36.82	18.39	34.92	18.21	34.16	18.02	
	-10.5	-11	44.69	20.24	44.28	20.05	41.00	18.74	39.77	18.55	37.72	18.37	36.90	18.18	
	-9.5	-10	47.17	20.59	46.74	20.40	43.27	19.07	41.98	18.88	39.81	18.68	38.95	18.49	
	-8.5	-9.1	49.65	21.12	49.20	20.92	45.55	19.56	44.19	19.36	41.91	19.16	41.00	18.97	
	-7	-7.6	57.93	21.65	57.40	21.45	53.14	20.04	51.55	19.84	48.89	19.64	47.83	19.44	
	-5	-5.6	62.06	22.53	61.50	22.32	56.94	20.86	55.23	20.65	52.38	20.44	51.25	20.23	
	-3	-3.7	66.20	23.76	65.59	23.54	60.74	22.00	58.91	21.78	55.88	21.56	54.66	21.34	
	0	-0.7	72.82	23.23	72.15	23.02	66.81	21.51	64.81	21.30	61.46	21.08	60.13	20.87	
	3	2.2	78.62	21.12	77.89	20.92	72.12	19.56	69.96	19.36	66.35	19.16	64.91	18.97	
	5	4.1	80.27	20.24	79.53	20.05	73.64	18.74	71.43	18.55	67.75	18.37	66.28	18.18	
	7	6	82.75	17.60	81.99	17.44	75.92	16.30	73.64	16.13	69.85	15.97	68.33	15.81	
	9	7.9	84.41	17.42	83.63	17.26	77.44	16.13	75.12	15.97	71.24	15.81	69.69	15.65	
	11	9.8	84.41	17.25	83.63	17.09	77.44	15.97	75.12	15.81	71.24	15.65	69.69	15.49	
	13	11.8	84.41	17.16	83.63	17.00	77.44	15.89	75.12	15.73	71.24	15.57	69.69	15.41	
	15	13.7	84.41	17.07	83.63	16.91	77.44	15.81	75.12	15.65	71.24	15.49	69.69	15.33	
19	14.2	85.18	16.98	83.63	16.83	77.44	15.73	75.12	15.57	71.24	15.41	69.69	15.25		
21	15	85.18	16.90	83.63	16.74	77.44	15.64	75.12	15.49	71.24	15.33	69.69	15.17		
120%	-22.90	-23.00	30.32	18.85	30.05	18.67	27.82	17.45	26.99	17.28	25.59	17.10	25.04	16.93	
	-18.80	-19.00	32.78	19.29	32.48	19.11	30.08	17.86	29.17	17.68	27.67	17.51	27.07	17.33	
	-14.7	-15	36.88	20.09	36.54	19.91	33.84	18.60	32.82	18.42	31.13	18.23	30.45	18.05	
	-12.6	-13	40.98	20.27	40.60	20.08	37.59	18.77	36.47	18.58	34.59	18.39	33.84	18.21	
	-10.5	-11	44.26	20.45	43.85	20.26	40.60	18.93	39.38	18.74	37.35	18.55	36.54	18.37	
	-9.5	-10	46.72	20.80	46.29	20.61	42.86	19.26	41.57	19.07	39.43	18.88	38.57	18.68	
	-8.5	-9.1	49.17	21.34	48.72	21.14	45.11	19.76	43.76	19.56	41.50	19.36	40.60	19.16	
	-7	-7.6	57.37	21.87	56.84	21.67	52.63	20.25	51.05	20.05	48.42	19.85	47.37	19.64	
	-5	-5.6	61.47	22.76	60.90	22.55	56.39	21.07	54.70	20.86	51.88	20.65	50.75	20.44	
	-3	-3.7	65.57	24.00	64.96	23.78	60.15	22.23	58.35	22.00	55.34	21.78	54.14	21.56	
	0	-0.7	72.12	23.47	71.46	23.25	66.17	21.73	64.18	21.52	60.87	21.30	59.55	21.08	
	3	2.2	77.86	21.34	77.14	21.14	71.43	19.76	69.29	19.56	65.72	19.36	64.29	19.16	
	5	4.1	79.50	20.45	78.77	20.26	72.93	18.93	70.75	18.74	67.10	18.55	65.64	18.37	
	7	6	81.96	17.78	81.21	17.62	75.19	16.46	72.93	16.30	69.17	16.13	67.67	15.97	
	9	7.9	83.60	17.60	82.83	17.44	76.69	16.30	74.39	16.14	70.56	15.97	69.02	15.81	
	11	9.8	83.60	17.43	82.83	17.26	76.69	16.13	74.39	15.97	70.56	15.81	69.02	15.65	
	13	11.8	83.60	17.34	82.83	17.18	76.69	16.05	74.39	15.89	70.56	15.73	69.02	15.57	
	15	13.7	83.60	17.25	82.83	17.09	76.69	15.97	74.39	15.81	70.56	15.65	69.02	15.49	
19	14.2	84.36	17.16	82.83	17.00	76.69	15.89	74.39	15.73	70.56	15.57	69.02	15.41		
21	15	84.36	17.07	82.83	16.91	76.69	15.81	74.39	15.65	70.56	15.49	69.02	15.33		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT024173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	29.74	19.04	29.46	18.86	27.28	17.63	26.46	17.45	25.10	17.28	24.55	17.10	
	-18.80	-19.00	32.15	19.49	31.85	19.31	29.49	18.05	28.61	17.87	27.13	17.68	26.54	17.50	
	-14.7	-15	36.16	20.30	35.83	20.11	33.18	18.79	32.18	18.61	30.52	18.42	29.86	18.23	
	-12.6	-13	40.18	20.48	39.81	20.29	36.86	18.96	35.76	18.77	33.92	18.58	33.18	18.39	
	-10.5	-11	43.40	20.66	43.00	20.47	39.81	19.13	38.62	18.94	36.63	18.74	35.83	18.55	
	-9.5	-10	45.81	21.02	45.39	20.82	42.03	19.46	40.77	19.26	38.66	19.07	37.82	18.88	
	-8.5	-9.1	48.22	21.56	47.78	21.36	44.24	19.96	42.91	19.76	40.70	19.56	39.81	19.36	
	-7	-7.6	56.26	22.09	55.74	21.89	51.61	20.46	50.06	20.25	47.48	20.05	46.45	19.84	
	-5	-5.6	60.27	22.99	59.72	22.78	55.30	21.29	53.64	21.08	50.87	20.86	49.77	20.65	
	-3	-3.7	64.29	24.25	63.70	24.02	58.98	22.45	57.21	22.23	54.27	22.00	53.09	21.78	
	0	-0.7	70.72	23.71	70.07	23.49	64.88	21.95	62.94	21.73	59.69	21.52	58.39	21.30	
	3	2.2	76.35	21.56	75.65	21.36	70.04	19.96	67.94	19.76	64.44	19.56	63.04	19.36	
	5	4.1	77.95	20.66	77.24	20.47	71.52	19.13	69.37	18.94	65.80	18.74	64.37	18.55	
	7	6	80.37	17.96	79.63	17.80	73.73	16.63	71.52	16.47	67.83	16.30	66.36	16.13	
	9	7.9	81.97	17.78	81.22	17.62	75.20	16.47	72.95	16.30	69.19	16.14	67.68	15.97	
	11	9.8	81.97	17.60	81.22	17.44	75.20	16.30	72.95	16.14	69.19	15.97	67.68	15.81	
	13	11.8	81.97	17.51	81.22	17.35	75.20	16.22	72.95	16.05	69.19	15.89	67.68	15.73	
	15	13.7	81.97	17.42	81.22	17.26	75.20	16.13	72.95	15.97	69.19	15.81	67.68	15.65	
19	14.2	82.73	17.33	81.22	17.17	75.20	16.05	72.95	15.89	69.19	15.73	67.68	15.57		
21	15	82.73	17.24	81.22	17.08	75.20	15.97	72.95	15.81	69.19	15.65	67.68	15.49		
100%	-22.90	-23.00	29.44	19.23	29.17	19.05	27.01	17.81	26.20	17.63	24.85	17.45	24.31	17.27	
	-18.80	-19.00	31.83	19.69	31.54	19.50	29.20	18.23	28.32	18.05	26.86	17.86	26.28	17.68	
	-14.7	-15	35.81	20.50	35.48	20.31	32.85	18.98	31.86	18.79	30.22	18.60	29.56	18.41	
	-12.6	-13	39.78	20.68	39.42	20.49	36.50	19.15	35.40	18.96	33.58	18.77	32.85	18.58	
	-10.5	-11	42.97	20.87	42.57	20.67	39.42	19.32	38.24	19.13	36.27	18.93	35.48	18.74	
	-9.5	-10	45.35	21.23	44.94	21.03	41.61	19.66	40.36	19.46	38.28	19.26	37.45	19.07	
	-8.5	-9.1	47.74	21.77	47.30	21.57	43.80	20.16	42.49	19.96	40.30	19.76	39.42	19.56	
	-7	-7.6	55.70	22.32	55.19	22.11	51.10	20.66	49.57	20.46	47.01	20.25	45.99	20.04	
	-5	-5.6	59.68	23.22	59.13	23.01	54.75	21.50	53.11	21.29	50.37	21.07	49.27	20.86	
	-3	-3.7	63.66	24.49	63.07	24.27	58.40	22.68	56.65	22.45	53.73	22.23	52.56	22.00	
	0	-0.7	70.02	23.95	69.38	23.73	64.24	22.18	62.31	21.95	59.10	21.73	57.82	21.51	
	3	2.2	75.59	21.77	74.90	21.57	69.35	20.16	67.27	19.96	63.80	19.76	62.41	19.56	
	5	4.1	77.18	20.87	76.47	20.67	70.81	19.32	68.69	19.13	65.15	18.93	63.73	18.74	
	7	6	79.57	18.14	78.84	17.98	73.00	16.80	70.81	16.63	67.16	16.46	65.70	16.30	
	9	7.9	81.16	17.96	80.42	17.80	74.46	16.63	72.23	16.47	68.50	16.30	67.01	16.13	
	11	9.8	81.16	17.78	80.42	17.62	74.46	16.46	72.23	16.30	68.50	16.13	67.01	15.97	
	13	11.8	81.16	17.69	80.42	17.53	74.46	16.38	72.23	16.22	68.50	16.05	67.01	15.89	
	15	13.7	81.16	17.60	80.42	17.44	74.46	16.30	72.23	16.13	68.50	15.97	67.01	15.81	
19	14.2	81.91	17.51	80.42	17.35	74.46	16.21	72.23	16.05	68.50	15.89	67.01	15.73		
21	15	81.91	17.42	80.42	17.26	74.46	16.13	72.23	15.97	68.50	15.81	67.01	15.64		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT024173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	27.09	17.50	26.84	17.34	24.85	16.21	24.10	16.04	22.86	15.88	22.36	15.72	
	-18.80	-19.00	29.28	17.91	29.01	17.75	26.86	16.59	26.06	16.42	24.71	16.26	24.18	16.09	
	-14.7	-15	32.94	18.66	32.64	18.48	30.22	17.28	29.32	17.10	27.80	16.93	27.20	16.76	
	-12.6	-13	36.60	18.82	36.27	18.65	33.58	17.43	32.57	17.25	30.89	17.08	30.22	16.91	
	-10.5	-11	39.53	18.99	39.17	18.81	36.27	17.58	35.18	17.41	33.37	17.23	32.64	17.05	
	-9.5	-10	41.73	19.32	41.34	19.14	38.28	17.89	37.13	17.71	35.22	17.53	34.45	17.35	
	-8.5	-9.1	43.92	19.81	43.52	19.63	40.30	18.35	39.09	18.16	37.07	17.98	36.27	17.80	
	-7	-7.6	51.24	20.31	50.77	20.12	47.01	18.80	45.60	18.62	43.25	18.43	42.31	18.24	
	-5	-5.6	54.90	21.13	54.40	20.94	50.37	19.57	48.86	19.37	46.34	19.18	45.33	18.98	
	-3	-3.7	58.56	22.29	58.03	22.08	53.73	20.64	52.12	20.43	49.43	20.23	48.36	20.02	
	0	-0.7	64.42	21.79	63.83	21.59	59.10	20.18	57.33	19.98	54.37	19.78	53.19	19.57	
	3	2.2	69.54	19.81	68.91	19.63	63.80	18.35	61.89	18.16	58.70	17.98	57.42	17.80	
	5	4.1	71.01	18.99	70.36	18.81	65.15	17.58	63.19	17.41	59.93	17.23	58.63	17.05	
	7	6	73.20	16.51	72.53	16.36	67.16	15.29	65.15	15.14	61.79	14.98	60.44	14.83	
	9	7.9	74.67	16.35	73.98	16.19	68.50	15.14	66.45	14.98	63.02	14.83	61.65	14.68	
	11	9.8	74.67	16.18	73.98	16.03	68.50	14.98	66.45	14.83	63.02	14.68	61.65	14.53	
	13	11.8	74.67	16.10	73.98	15.95	68.50	14.91	66.45	14.76	63.02	14.61	61.65	14.46	
	15	13.7	74.67	16.02	73.98	15.87	68.50	14.83	66.45	14.68	63.02	14.53	61.65	14.38	
19	14.2	75.35	15.93	73.98	15.79	68.50	14.75	66.45	14.61	63.02	14.46	61.65	14.31		
21	15	75.35	15.85	73.98	15.70	68.50	14.68	66.45	14.53	63.02	14.38	61.65	14.24		
80%	-22.90	-23.00	23.85	14.18	23.63	14.05	21.88	13.13	21.22	13.00	20.13	12.86	19.69	12.73	
	-18.80	-19.00	25.78	14.51	25.54	14.38	23.65	13.44	22.94	13.30	21.76	13.17	21.29	13.03	
	-14.7	-15	29.00	15.11	28.74	14.97	26.61	13.99	25.81	13.85	24.48	13.71	23.95	13.57	
	-12.6	-13	32.23	15.25	31.93	15.11	29.56	14.12	28.68	13.98	27.20	13.83	26.61	13.69	
	-10.5	-11	34.80	15.38	34.48	15.24	31.93	14.24	30.97	14.10	29.38	13.96	28.74	13.81	
	-9.5	-10	36.74	15.65	36.40	15.50	33.70	14.49	32.69	14.34	31.01	14.20	30.33	14.05	
	-8.5	-9.1	38.67	16.05	38.32	15.90	35.48	14.86	34.41	14.71	32.64	14.56	31.93	14.41	
	-7	-7.6	45.12	16.45	44.70	16.30	41.39	15.23	40.15	15.08	38.08	14.93	37.25	14.77	
	-5	-5.6	48.34	17.12	47.90	16.96	44.35	15.85	43.02	15.69	40.80	15.53	39.91	15.38	
	-3	-3.7	51.56	18.05	51.09	17.89	47.30	16.72	45.88	16.55	43.52	16.38	42.57	16.22	
	0	-0.7	56.72	17.65	56.20	17.49	52.03	16.35	50.47	16.18	47.87	16.02	46.83	15.86	
	3	2.2	61.23	16.05	60.67	15.90	56.17	14.86	54.49	14.71	51.68	14.56	50.56	14.41	
	5	4.1	62.52	15.38	61.94	15.24	57.36	14.24	55.64	14.10	52.77	13.96	51.62	13.81	
	7	6	64.45	13.37	63.86	13.25	59.13	12.38	57.36	12.26	54.40	12.14	53.22	12.01	
	9	7.9	65.74	13.24	65.14	13.12	60.31	12.26	58.50	12.14	55.49	12.01	54.28	11.89	
	11	9.8	65.74	13.11	65.14	12.99	60.31	12.14	58.50	12.01	55.49	11.89	54.28	11.77	
	13	11.8	65.74	13.04	65.14	12.92	60.31	12.07	58.50	11.95	55.49	11.83	54.28	11.71	
	15	13.7	65.74	12.97	65.14	12.85	60.31	12.01	58.50	11.89	55.49	11.77	54.28	11.65	
19	14.2	66.34	12.91	65.14	12.79	60.31	11.95	58.50	11.83	55.49	11.71	54.28	11.59		
21	15	66.34	12.84	65.14	12.72	60.31	11.89	58.50	11.77	55.49	11.65	54.28	11.53		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT024173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	20.61	13.46	20.42	13.34	18.91	12.47	18.34	12.34	17.39	12.22	17.02	12.09	
	-18.80	-19.00	22.28	13.78	22.08	13.65	20.44	12.76	19.83	12.63	18.80	12.50	18.40	12.38	
	-14.7	-15	25.06	14.35	24.83	14.22	22.99	13.29	22.31	13.16	21.16	13.02	20.70	12.89	
	-12.6	-13	27.85	14.48	27.59	14.34	25.55	13.41	24.78	13.27	23.51	13.14	22.99	13.00	
	-10.5	-11	30.08	14.61	29.80	14.47	27.59	13.52	26.77	13.39	25.39	13.25	24.83	13.12	
	-9.5	-10	31.75	14.86	31.46	14.72	29.13	13.76	28.25	13.62	26.80	13.48	26.21	13.35	
	-8.5	-9.1	33.42	15.24	33.11	15.10	30.66	14.11	29.74	13.97	28.21	13.83	27.59	13.69	
	-7	-7.6	38.99	15.62	38.63	15.48	35.77	14.46	34.70	14.32	32.91	14.18	32.19	14.03	
	-5	-5.6	41.77	16.26	41.39	16.11	38.32	15.05	37.18	14.90	35.26	14.75	34.49	14.60	
	-3	-3.7	44.56	17.15	44.15	16.99	40.88	15.88	39.65	15.72	37.61	15.56	36.79	15.40	
	0	-0.7	49.02	16.77	48.57	16.61	44.97	15.52	43.62	15.37	41.37	15.21	40.47	15.06	
	3	2.2	52.91	15.24	52.43	15.10	48.54	14.11	47.09	13.97	44.66	13.83	43.69	13.69	
	5	4.1	54.03	14.61	53.53	14.47	49.57	13.52	48.08	13.39	45.60	13.25	44.61	13.12	
	7	6	55.70	12.70	55.19	12.58	51.10	11.76	49.57	11.64	47.01	11.52	45.99	11.41	
	9	7.9	56.81	12.57	56.29	12.46	52.12	11.64	50.56	11.53	47.95	11.41	46.91	11.29	
	11	9.8	56.81	12.45	56.29	12.33	52.12	11.52	50.56	11.41	47.95	11.29	46.91	11.18	
	13	11.8	56.81	12.38	56.29	12.27	52.12	11.47	50.56	11.35	47.95	11.24	46.91	11.12	
	15	13.7	56.81	12.32	56.29	12.21	52.12	11.41	50.56	11.29	47.95	11.18	46.91	11.06	
19	14.2	57.33	12.26	56.29	12.14	52.12	11.35	50.56	11.23	47.95	11.12	46.91	11.01		
21	15	57.33	12.19	56.29	12.08	52.12	11.29	50.56	11.18	47.95	11.06	46.91	10.95		
60%	-22.90	-23.00	18.55	11.92	18.38	11.81	17.02	11.04	16.51	10.93	15.65	10.82	15.31	10.71	
	-18.80	-19.00	20.05	12.21	19.87	12.09	18.40	11.30	17.84	11.19	16.92	11.08	16.56	10.96	
	-14.7	-15	22.56	12.71	22.35	12.59	20.70	11.77	20.07	11.65	19.04	11.53	18.63	11.42	
	-12.6	-13	25.06	12.82	24.83	12.71	22.99	11.87	22.31	11.76	21.16	11.64	20.70	11.52	
	-10.5	-11	27.07	12.94	26.82	12.82	24.83	11.98	24.09	11.86	22.85	11.74	22.35	11.62	
	-9.5	-10	28.57	13.16	28.31	13.04	26.21	12.19	25.43	12.06	24.12	11.94	23.59	11.82	
	-8.5	-9.1	30.08	13.50	29.80	13.37	27.59	12.50	26.77	12.37	25.39	12.25	24.83	12.12	
	-7	-7.6	35.09	13.84	34.77	13.71	32.19	12.81	31.23	12.68	29.62	12.56	28.97	12.43	
	-5	-5.6	37.60	14.40	37.25	14.27	34.49	13.33	33.46	13.20	31.73	13.07	31.04	12.93	
	-3	-3.7	40.10	15.19	39.74	15.05	36.79	14.06	35.69	13.92	33.85	13.78	33.11	13.64	
	0	-0.7	44.11	14.85	43.71	14.71	40.47	13.75	39.26	13.61	37.23	13.47	36.42	13.34	
	3	2.2	47.62	13.50	47.19	13.37	43.69	12.50	42.38	12.37	40.20	12.25	39.32	12.12	
	5	4.1	48.63	12.94	48.18	12.82	44.61	11.98	43.27	11.86	41.04	11.74	40.15	11.62	
	7	6	50.13	11.25	49.67	11.15	45.99	10.42	44.61	10.31	42.31	10.21	41.39	10.10	
	9	7.9	51.13	11.14	50.66	11.03	46.91	10.31	45.50	10.21	43.16	10.11	42.22	10.00	
	11	9.8	51.13	11.02	50.66	10.92	46.91	10.21	45.50	10.11	43.16	10.00	42.22	9.90	
	13	11.8	51.13	10.97	50.66	10.87	46.91	10.16	45.50	10.05	43.16	9.95	42.22	9.85	
	15	13.7	51.13	10.91	50.66	10.81	46.91	10.10	45.50	10.00	43.16	9.90	42.22	9.80	
19	14.2	51.60	10.86	50.66	10.76	46.91	10.05	45.50	9.95	43.16	9.85	42.22	9.75		
21	15	51.60	10.80	50.66	10.70	46.91	10.00	45.50	9.90	43.16	9.80	42.22	9.70		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT024173HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	15.90	12.50	15.75	12.39	14.59	11.58	14.15	11.46	13.42	11.34	13.13	11.23	
	-18.80	-19.00	17.19	12.80	17.03	12.68	15.77	11.85	15.29	11.73	14.51	11.61	14.19	11.49	
	-14.7	-15	19.34	13.33	19.16	13.20	17.74	12.34	17.21	12.22	16.32	12.09	15.97	11.97	
	-12.6	-13	21.48	13.44	21.29	13.32	19.71	12.45	19.12	12.32	18.13	12.20	17.74	12.08	
	-10.5	-11	23.20	13.56	22.99	13.44	21.29	12.56	20.65	12.43	19.58	12.31	19.16	12.18	
	-9.5	-10	24.49	13.80	24.27	13.67	22.47	12.78	21.80	12.65	20.67	12.52	20.22	12.39	
	-8.5	-9.1	25.78	14.15	25.54	14.02	23.65	13.10	22.94	12.97	21.76	12.84	21.29	12.71	
	-7	-7.6	30.08	14.51	29.80	14.37	27.59	13.43	26.77	13.30	25.39	13.16	24.83	13.03	
	-5	-5.6	32.23	15.10	31.93	14.96	29.56	13.98	28.68	13.84	27.20	13.70	26.61	13.56	
	-3	-3.7	34.37	15.92	34.06	15.77	31.54	14.74	30.59	14.59	29.01	14.45	28.38	14.30	
	0	-0.7	37.81	15.57	37.46	15.42	34.69	14.41	33.65	14.27	31.91	14.13	31.22	13.98	
	3	2.2	40.82	14.15	40.44	14.02	37.45	13.10	36.33	12.97	34.45	12.84	33.70	12.71	
	5	4.1	41.68	13.56	41.30	13.44	38.24	12.56	37.09	12.43	35.18	12.31	34.41	12.18	
	7	6	42.97	11.79	42.57	11.68	39.42	10.92	38.24	10.81	36.27	10.70	35.48	10.59	
	9	7.9	43.83	11.68	43.43	11.57	40.21	10.81	39.00	10.70	36.99	10.59	36.19	10.49	
	11	9.8	43.83	11.56	43.43	11.45	40.21	10.70	39.00	10.59	36.99	10.49	36.19	10.38	
	13	11.8	43.83	11.50	43.43	11.39	40.21	10.65	39.00	10.54	36.99	10.43	36.19	10.33	
15	13.7	43.83	11.44	43.43	11.33	40.21	10.59	39.00	10.49	36.99	10.38	36.19	10.27		
19	14.2	44.23	11.38	43.43	11.28	40.21	10.54	39.00	10.43	36.99	10.33	36.19	10.22		
21	15	44.23	11.32	43.43	11.22	40.21	10.48	39.00	10.38	36.99	10.27	36.19	10.17		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

AV26IMVEVA														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	34.60	19.66	34.29	19.47	31.75	18.20	30.79	18.02	29.21	17.84	28.57	17.65	
	-18.80	-19.00	37.41	20.12	37.07	19.93	34.32	18.63	33.29	18.44	31.57	18.26	30.89	18.07	
	-14.7	-15	42.08	20.95	41.70	20.76	38.61	19.40	37.45	19.21	35.52	19.01	34.75	18.82	
	-12.6	-13	46.76	21.14	46.33	20.94	42.90	19.57	41.61	19.38	39.47	19.18	38.61	18.99	
	-10.5	-11	50.50	21.32	50.04	21.13	46.33	19.74	44.94	19.55	42.63	19.35	41.70	19.15	
	-9.5	-10	53.31	21.69	52.82	21.49	48.91	20.09	47.44	19.89	44.99	19.69	44.02	19.49	
	-8.5	-9.1	56.11	22.25	55.60	22.04	51.48	20.60	49.94	20.40	47.36	20.19	46.33	19.98	
	-7	-7.6	65.47	22.81	64.86	22.60	60.06	21.12	58.26	20.91	55.26	20.70	54.05	20.48	
	-5	-5.6	70.14	23.73	69.50	23.51	64.35	21.98	62.42	21.76	59.20	21.54	57.92	21.32	
	-3	-3.7	74.82	25.03	74.13	24.80	68.64	23.18	66.58	22.95	63.15	22.71	61.78	22.48	
	0	-0.7	82.30	24.48	81.54	24.25	75.50	22.66	73.24	22.44	69.46	22.21	67.95	21.98	
	3	2.2	88.85	22.25	88.03	22.04	81.51	20.60	79.06	20.40	74.99	20.19	73.36	19.98	
	5	4.1	90.72	21.32	89.88	21.13	83.23	19.74	80.73	19.55	76.57	19.35	74.90	19.15	
	7	6	93.52	18.54	92.66	18.37	85.80	17.17	83.23	17.00	78.94	16.83	77.22	16.65	
	9	7.9	95.39	18.36	94.52	18.19	87.52	17.00	84.89	16.83	80.51	16.66	78.76	16.49	
	11	9.8	95.39	18.17	94.52	18.00	87.52	16.83	84.89	16.66	80.51	16.49	78.76	16.32	
	13	11.8	95.39	18.08	94.52	17.91	87.52	16.74	84.89	16.57	80.51	16.40	78.76	16.24	
	15	13.7	95.39	17.99	94.52	17.82	87.52	16.65	84.89	16.49	80.51	16.32	78.76	16.15	
19	14.2	96.27	17.89	94.52	17.73	87.52	16.57	84.89	16.40	80.51	16.24	78.76	16.07		
21	15	96.27	17.80	94.52	17.64	87.52	16.48	84.89	16.32	80.51	16.15	78.76	15.99		
120%	-22.90	-23.00	34.27	19.86	33.96	19.67	31.44	18.39	30.50	18.20	28.93	18.02	28.30	17.84	
	-18.80	-19.00	37.05	20.33	36.71	20.14	33.99	18.82	32.97	18.63	31.27	18.44	30.59	18.26	
	-14.7	-15	41.68	21.17	41.30	20.97	38.24	19.60	37.09	19.40	35.18	19.21	34.41	19.01	
	-12.6	-13	46.31	21.36	45.89	21.16	42.49	19.77	41.21	19.58	39.09	19.38	38.24	19.18	
	-10.5	-11	50.02	21.54	49.56	21.34	45.89	19.95	44.51	19.75	42.22	19.55	41.30	19.35	
	-9.5	-10	52.79	21.92	52.31	21.72	48.44	20.29	46.98	20.09	44.56	19.89	43.59	19.69	
	-8.5	-9.1	55.57	22.48	55.06	22.27	50.99	20.82	49.46	20.61	46.91	20.40	45.89	20.19	
	-7	-7.6	64.84	23.04	64.24	22.83	59.48	21.34	57.70	21.12	54.72	20.91	53.53	20.70	
	-5	-5.6	69.47	23.98	68.83	23.76	63.73	22.20	61.82	21.98	58.63	21.76	57.36	21.54	
	-3	-3.7	74.10	25.29	73.42	25.06	67.98	23.42	65.94	23.18	62.54	22.95	61.18	22.71	
	0	-0.7	81.51	24.73	80.76	24.50	74.78	22.90	72.53	22.67	68.80	22.44	67.30	22.21	
	3	2.2	87.99	22.48	87.18	22.27	80.73	20.82	78.30	20.61	74.27	20.40	72.65	20.19	
	5	4.1	89.84	21.54	89.02	21.34	82.43	19.95	79.95	19.75	75.83	19.55	74.18	19.35	
	7	6	92.62	18.73	91.77	18.56	84.98	17.35	82.43	17.17	78.18	17.00	76.48	16.83	
	9	7.9	94.48	18.55	93.61	18.37	86.67	17.17	84.07	17.00	79.74	16.83	78.01	16.66	
	11	9.8	94.48	18.36	93.61	18.19	86.67	17.00	84.07	16.83	79.74	16.66	78.01	16.49	
	13	11.8	94.48	18.27	93.61	18.10	86.67	16.91	84.07	16.74	79.74	16.57	78.01	16.40	
	15	13.7	94.48	18.17	93.61	18.00	86.67	16.83	84.07	16.66	79.74	16.49	78.01	16.32	
19	14.2	95.34	18.08	93.61	17.91	86.67	16.74	84.07	16.57	79.74	16.40	78.01	16.24		
21	15	95.34	17.98	93.61	17.82	86.67	16.65	84.07	16.49	79.74	16.32	78.01	16.15		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



AV26IMVEVA														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	33.60	20.06	33.30	19.87	30.83	18.57	29.91	18.39	28.36	18.20	27.75	18.02	
	-18.80	-19.00	36.33	20.53	36.00	20.34	33.33	19.01	32.33	18.82	30.66	18.63	30.00	18.44	
	-14.7	-15	40.87	21.39	40.50	21.19	37.50	19.80	36.37	19.60	34.50	19.40	33.75	19.21	
	-12.6	-13	45.41	21.57	45.00	21.37	41.66	19.98	40.41	19.78	38.33	19.58	37.50	19.38	
	-10.5	-11	49.05	21.76	48.60	21.56	45.00	20.15	43.65	19.95	41.40	19.75	40.50	19.55	
	-9.5	-10	51.77	22.14	51.29	21.94	47.50	20.50	46.07	20.30	43.70	20.09	42.75	19.89	
	-8.5	-9.1	54.49	22.71	53.99	22.50	50.00	21.03	48.50	20.82	46.00	20.61	45.00	20.40	
	-7	-7.6	63.58	23.28	62.99	23.06	58.33	21.55	56.58	21.34	53.66	21.12	52.49	20.91	
	-5	-5.6	68.12	24.22	67.49	24.00	62.49	22.43	60.62	22.21	57.49	21.98	56.24	21.76	
	-3	-3.7	72.66	25.55	71.99	25.31	66.66	23.66	64.66	23.42	61.33	23.18	59.99	22.95	
	0	-0.7	79.93	24.98	79.19	24.75	73.33	23.13	71.13	22.90	67.46	22.67	65.99	22.44	
	3	2.2	86.28	22.71	85.49	22.50	79.16	21.03	76.78	20.82	72.83	20.61	71.24	20.40	
	5	4.1	88.10	21.76	87.29	21.56	80.83	20.15	78.40	19.95	74.36	19.75	72.74	19.55	
	7	6	90.82	18.92	89.99	18.75	83.33	17.52	80.83	17.35	76.66	17.17	74.99	17.00	
	9	7.9	92.64	18.74	91.79	18.56	84.99	17.35	82.44	17.17	78.19	17.00	76.49	16.83	
	11	9.8	92.64	18.55	91.79	18.37	84.99	17.17	82.44	17.00	78.19	16.83	76.49	16.66	
	13	11.8	92.64	18.45	91.79	18.28	84.99	17.08	82.44	16.91	78.19	16.74	76.49	16.57	
	15	13.7	92.64	18.36	91.79	18.19	84.99	17.00	82.44	16.83	78.19	16.66	76.49	16.49	
19	14.2	93.49	18.26	91.79	18.09	84.99	16.91	82.44	16.74	78.19	16.57	76.49	16.40		
21	15	93.49	18.17	91.79	18.00	84.99	16.82	82.44	16.65	78.19	16.49	76.49	16.32		
100%	-22.90	-23.00	33.27	20.26	32.97	20.08	30.53	18.76	29.61	18.57	28.08	18.39	27.47	18.20	
	-18.80	-19.00	35.97	20.74	35.64	20.55	33.00	19.20	32.01	19.01	30.36	18.82	29.70	18.63	
	-14.7	-15	40.47	21.60	40.10	21.40	37.13	20.00	36.01	19.80	34.16	19.60	33.41	19.40	
	-12.6	-13	44.96	21.79	44.55	21.59	41.25	20.18	40.01	19.98	37.95	19.77	37.13	19.57	
	-10.5	-11	48.56	21.98	48.11	21.78	44.55	20.36	43.21	20.15	40.99	19.95	40.10	19.74	
	-9.5	-10	51.26	22.37	50.79	22.16	47.03	20.71	45.61	20.50	43.26	20.29	42.32	20.09	
	-8.5	-9.1	53.96	22.94	53.46	22.73	49.50	21.24	48.02	21.03	45.54	20.82	44.55	20.60	
	-7	-7.6	62.95	23.51	62.37	23.29	57.75	21.77	56.02	21.55	53.13	21.34	51.98	21.12	
	-5	-5.6	67.44	24.47	66.83	24.24	61.88	22.66	60.02	22.43	56.93	22.20	55.69	21.98	
	-3	-3.7	71.94	25.81	71.28	25.57	66.00	23.90	64.02	23.66	60.72	23.42	59.40	23.18	
	0	-0.7	79.13	25.23	78.41	25.00	72.60	23.36	70.42	23.13	66.79	22.90	65.34	22.66	
	3	2.2	85.43	22.94	84.65	22.73	78.38	21.24	76.02	21.03	72.11	20.82	70.54	20.60	
	5	4.1	87.23	21.98	86.43	21.78	80.03	20.36	77.62	20.15	73.62	19.95	72.02	19.74	
	7	6	89.93	19.12	89.10	18.94	82.50	17.70	80.03	17.52	75.90	17.35	74.25	17.17	
	9	7.9	91.72	18.92	90.88	18.75	84.15	17.52	81.63	17.35	77.42	17.17	75.74	17.00	
	11	9.8	91.72	18.73	90.88	18.56	84.15	17.35	81.63	17.17	77.42	17.00	75.74	16.83	
	13	11.8	91.72	18.64	90.88	18.47	84.15	17.26	81.63	17.08	77.42	16.91	75.74	16.74	
	15	13.7	91.72	18.54	90.88	18.37	84.15	17.17	81.63	17.00	77.42	16.83	75.74	16.65	
19	14.2	92.57	18.45	90.88	18.28	84.15	17.08	81.63	16.91	77.42	16.74	75.74	16.57		
21	15	92.57	18.35	90.88	18.18	84.15	16.99	81.63	16.82	77.42	16.65	75.74	16.48		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

AV26IMVEVA														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	30.61	18.44	30.33	18.27	28.08	17.07	27.24	16.90	25.84	16.73	25.27	16.56	
	-18.80	-19.00	33.09	18.87	32.79	18.70	30.36	17.48	29.45	17.30	27.93	17.13	27.32	16.95	
	-14.7	-15	37.23	19.66	36.89	19.47	34.16	18.20	33.13	18.02	31.42	17.84	30.74	17.65	
	-12.6	-13	41.37	19.83	40.99	19.65	37.95	18.36	36.81	18.18	34.91	17.99	34.16	17.81	
	-10.5	-11	44.67	20.00	44.26	19.82	40.99	18.52	39.76	18.34	37.71	18.15	36.89	17.97	
	-9.5	-10	47.16	20.35	46.72	20.16	43.26	18.85	41.97	18.66	39.80	18.47	38.94	18.28	
	-8.5	-9.1	49.64	20.87	49.18	20.68	45.54	19.33	44.17	19.14	41.90	18.94	40.99	18.75	
	-7	-7.6	57.91	21.40	57.38	21.20	53.13	19.81	51.54	19.61	48.88	19.42	47.82	19.22	
	-5	-5.6	62.05	22.27	61.48	22.06	56.93	20.62	55.22	20.41	52.37	20.20	51.23	20.00	
	-3	-3.7	66.18	23.48	65.58	23.27	60.72	21.74	58.90	21.53	55.86	21.31	54.65	21.09	
	0	-0.7	72.80	22.96	72.14	22.75	66.79	21.26	64.79	21.05	61.45	20.84	60.11	20.62	
	3	2.2	78.59	20.87	77.87	20.68	72.11	19.33	69.94	19.14	66.34	18.94	64.89	18.75	
	5	4.1	80.25	20.00	79.51	19.82	73.62	18.52	71.41	18.34	67.73	18.15	66.26	17.97	
	7	6	82.73	17.40	81.97	17.23	75.90	16.11	73.62	15.95	69.83	15.78	68.31	15.62	
	9	7.9	84.39	17.22	83.61	17.06	77.42	15.95	75.10	15.79	71.22	15.63	69.68	15.47	
	11	9.8	84.39	17.05	83.61	16.89	77.42	15.78	75.10	15.63	71.22	15.47	69.68	15.31	
	13	11.8	84.39	16.96	83.61	16.80	77.42	15.70	75.10	15.55	71.22	15.39	69.68	15.23	
	15	13.7	84.39	16.87	83.61	16.72	77.42	15.62	75.10	15.47	71.22	15.31	69.68	15.16	
	19	14.2	85.16	16.79	83.61	16.63	77.42	15.54	75.10	15.39	71.22	15.23	69.68	15.08	
	21	15	85.16	16.70	83.61	16.55	77.42	15.46	75.10	15.31	71.22	15.15	69.68	15.00	
80%	-22.90	-23.00	26.95	14.94	26.70	14.80	24.73	13.83	23.98	13.69	22.75	13.55	22.25	13.41	
	-18.80	-19.00	29.14	15.29	28.87	15.15	26.73	14.16	25.93	14.01	24.59	13.87	24.06	13.73	
	-14.7	-15	32.78	15.92	32.48	15.77	30.07	14.74	29.17	14.60	27.67	14.45	27.06	14.30	
	-12.6	-13	36.42	16.06	36.09	15.91	33.41	14.87	32.41	14.72	30.74	14.58	30.07	14.43	
	-10.5	-11	39.33	16.20	38.97	16.05	36.09	15.00	35.00	14.85	33.20	14.70	32.48	14.55	
	-9.5	-10	41.52	16.49	41.14	16.33	38.09	15.26	36.95	15.11	35.04	14.96	34.28	14.81	
	-8.5	-9.1	43.70	16.91	43.30	16.75	40.10	15.66	38.89	15.50	36.89	15.34	36.09	15.19	
	-7	-7.6	50.99	17.33	50.52	17.17	46.78	16.05	45.37	15.89	43.04	15.73	42.10	15.57	
	-5	-5.6	54.63	18.04	54.13	17.87	50.12	16.70	48.62	16.53	46.11	16.37	45.11	16.20	
	-3	-3.7	58.27	19.02	57.74	18.85	53.46	17.61	51.86	17.44	49.18	17.26	48.11	17.08	
	0	-0.7	64.10	18.60	63.51	18.43	58.81	17.22	57.04	17.05	54.10	16.88	52.93	16.70	
	3	2.2	69.20	16.91	68.56	16.75	63.48	15.66	61.58	15.50	58.41	15.34	57.14	15.19	
	5	4.1	70.65	16.20	70.01	16.05	64.82	15.00	62.88	14.85	59.63	14.70	58.34	14.55	
	7	6	72.84	14.09	72.17	13.96	66.83	13.05	64.82	12.92	61.48	12.79	60.14	12.66	
	9	7.9	74.30	13.95	73.61	13.82	68.16	12.92	66.12	12.79	62.71	12.66	61.35	12.53	
	11	9.8	74.30	13.81	73.61	13.68	68.16	12.79	66.12	12.66	62.71	12.53	61.35	12.40	
	13	11.8	74.30	13.74	73.61	13.61	68.16	12.72	66.12	12.59	62.71	12.47	61.35	12.34	
	15	13.7	74.30	13.67	73.61	13.54	68.16	12.66	66.12	12.53	62.71	12.40	61.35	12.28	
	19	14.2	74.98	13.60	73.61	13.47	68.16	12.59	66.12	12.46	62.71	12.34	61.35	12.21	
	21	15	74.98	13.53	73.61	13.40	68.16	12.52	66.12	12.40	62.71	12.27	61.35	12.15	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



AV26IMVEVA														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	23.29	14.18	23.08	14.05	21.37	13.13	20.73	13.00	19.66	12.87	19.23	12.74	
	-18.80	-19.00	25.18	14.52	24.95	14.38	23.10	13.44	22.41	13.31	21.25	13.17	20.79	13.04	
	-14.7	-15	28.33	15.12	28.07	14.98	25.99	14.00	25.21	13.86	23.91	13.72	23.39	13.58	
	-12.6	-13	31.47	15.25	31.19	15.11	28.88	14.12	28.01	13.98	26.57	13.84	25.99	13.70	
	-10.5	-11	33.99	15.39	33.68	15.25	31.19	14.25	30.25	14.11	28.69	13.96	28.07	13.82	
	-9.5	-10	35.88	15.66	35.55	15.51	32.92	14.50	31.93	14.35	30.28	14.21	29.63	14.06	
	-8.5	-9.1	37.77	16.06	37.42	15.91	34.65	14.87	33.61	14.72	31.88	14.57	31.19	14.42	
	-7	-7.6	44.06	16.46	43.66	16.31	40.43	15.24	39.21	15.09	37.19	14.93	36.38	14.78	
	-5	-5.6	47.21	17.13	46.78	16.97	43.31	15.86	42.01	15.70	39.85	15.54	38.98	15.38	
	-3	-3.7	50.36	18.06	49.90	17.90	46.20	16.73	44.81	16.56	42.50	16.39	41.58	16.22	
	0	-0.7	55.39	17.66	54.89	17.50	50.82	16.35	49.30	16.19	46.75	16.03	45.74	15.86	
	3	2.2	59.80	16.06	59.25	15.91	54.86	14.87	53.22	14.72	50.47	14.57	49.38	14.42	
	5	4.1	61.06	15.39	60.50	15.25	56.02	14.25	54.34	14.11	51.54	13.96	50.42	13.82	
	7	6	62.95	13.38	62.37	13.26	57.75	12.39	56.02	12.27	53.13	12.14	51.98	12.02	
	9	7.9	64.21	13.25	63.62	13.12	58.91	12.27	57.14	12.14	54.19	12.02	53.01	11.90	
	11	9.8	64.21	13.11	63.62	12.99	58.91	12.14	57.14	12.02	54.19	11.90	53.01	11.78	
	13	11.8	64.21	13.05	63.62	12.93	58.91	12.08	57.14	11.96	54.19	11.84	53.01	11.72	
	15	13.7	64.21	12.98	63.62	12.86	58.91	12.02	57.14	11.90	54.19	11.78	53.01	11.66	
19	14.2	64.80	12.91	63.62	12.79	58.91	11.96	57.14	11.84	54.19	11.72	53.01	11.60		
21	15	64.80	12.85	63.62	12.73	58.91	11.89	57.14	11.78	54.19	11.66	53.01	11.54		
60%	-22.90	-23.00	20.96	12.56	20.77	12.45	19.23	11.63	18.65	11.52	17.69	11.40	17.31	11.28	
	-18.80	-19.00	22.66	12.86	22.45	12.74	20.79	11.91	20.17	11.79	19.13	11.67	18.71	11.55	
	-14.7	-15	25.49	13.39	25.26	13.27	23.39	12.40	22.69	12.28	21.52	12.15	21.05	12.03	
	-12.6	-13	28.33	13.51	28.07	13.39	25.99	12.51	25.21	12.39	23.91	12.26	23.39	12.14	
	-10.5	-11	30.59	13.63	30.31	13.50	28.07	12.62	27.22	12.49	25.82	12.37	25.26	12.24	
	-9.5	-10	32.29	13.87	32.00	13.74	29.63	12.84	28.74	12.71	27.26	12.58	26.66	12.45	
	-8.5	-9.1	33.99	14.22	33.68	14.09	31.19	13.17	30.25	13.04	28.69	12.91	28.07	12.77	
	-7	-7.6	39.66	14.58	39.29	14.44	36.38	13.50	35.29	13.36	33.47	13.23	32.74	13.09	
	-5	-5.6	42.49	15.17	42.10	15.03	38.98	14.05	37.81	13.91	35.86	13.77	35.08	13.63	
	-3	-3.7	45.32	16.00	44.91	15.85	41.58	14.81	40.33	14.67	38.25	14.52	37.42	14.37	
	0	-0.7	49.85	15.64	49.40	15.50	45.74	14.49	44.37	14.34	42.08	14.20	41.16	14.05	
	3	2.2	53.82	14.22	53.33	14.09	49.38	13.17	47.89	13.04	45.43	12.91	44.44	12.77	
	5	4.1	54.95	13.63	54.45	13.50	50.42	12.62	48.90	12.49	46.38	12.37	45.37	12.24	
	7	6	56.65	11.85	56.13	11.74	51.98	10.97	50.42	10.86	47.82	10.75	46.78	10.64	
	9	7.9	57.79	11.73	57.26	11.62	53.01	10.86	51.42	10.76	48.77	10.65	47.71	10.54	
	11	9.8	57.79	11.61	57.26	11.51	53.01	10.75	51.42	10.65	48.77	10.54	47.71	10.43	
	13	11.8	57.79	11.56	57.26	11.45	53.01	10.70	51.42	10.59	48.77	10.49	47.71	10.38	
	15	13.7	57.79	11.50	57.26	11.39	53.01	10.64	51.42	10.54	48.77	10.43	47.71	10.33	
19	14.2	58.32	11.44	57.26	11.33	53.01	10.59	51.42	10.48	48.77	10.38	47.71	10.27		
21	15	58.32	11.38	57.26	11.27	53.01	10.54	51.42	10.43	48.77	10.32	47.71	10.22		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

AV26IMVEVA														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	17.97	13.17	17.80	13.05	16.48	12.20	15.99	12.07	15.16	11.95	14.84	11.83	
	-18.80	-19.00	19.42	13.48	19.25	13.36	17.82	12.48	17.29	12.36	16.39	12.23	16.04	12.11	
	-14.7	-15	21.85	14.04	21.65	13.91	20.05	13.00	19.45	12.87	18.44	12.74	18.04	12.61	
	-12.6	-13	24.28	14.16	24.06	14.03	22.28	13.12	21.61	12.98	20.49	12.85	20.05	12.72	
	-10.5	-11	26.22	14.29	25.98	14.16	24.06	13.23	23.34	13.10	22.13	12.97	21.65	12.83	
	-9.5	-10	27.68	14.54	27.42	14.40	25.39	13.46	24.63	13.33	23.36	13.19	22.85	13.06	
	-8.5	-9.1	29.14	14.91	28.87	14.77	26.73	13.81	25.93	13.67	24.59	13.53	24.06	13.39	
	-7	-7.6	33.99	15.28	33.68	15.14	31.19	14.15	30.25	14.01	28.69	13.87	28.07	13.73	
	-5	-5.6	36.42	15.90	36.09	15.76	33.41	14.73	32.41	14.58	30.74	14.43	30.07	14.28	
	-3	-3.7	38.85	16.77	38.49	16.62	35.64	15.53	34.57	15.38	32.79	15.22	32.08	15.07	
	0	-0.7	42.73	16.40	42.34	16.25	39.20	15.19	38.03	15.03	36.07	14.88	35.28	14.73	
	3	2.2	46.13	14.91	45.71	14.77	42.32	13.81	41.05	13.67	38.94	13.53	38.09	13.39	
	5	4.1	47.10	14.29	46.67	14.16	43.21	13.23	41.92	13.10	39.76	12.97	38.89	12.83	
	7	6	48.56	12.43	48.11	12.31	44.55	11.51	43.21	11.39	40.99	11.27	40.10	11.16	
	9	7.9	49.53	12.30	49.08	12.19	45.44	11.39	44.08	11.28	41.81	11.16	40.90	11.05	
	11	9.8	49.53	12.18	49.08	12.06	45.44	11.27	44.08	11.16	41.81	11.05	40.90	10.94	
	13	11.8	49.53	12.11	49.08	12.00	45.44	11.22	44.08	11.11	41.81	10.99	40.90	10.88	
15	13.7	49.53	12.05	49.08	11.94	45.44	11.16	44.08	11.05	41.81	10.94	40.90	10.83		
19	14.2	49.99	11.99	49.08	11.88	45.44	11.10	44.08	10.99	41.81	10.88	40.90	10.77		
21	15	49.99	11.93	49.08	11.82	45.44	11.04	44.08	10.93	41.81	10.82	40.90	10.71		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT028S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	35.71	23.09	35.38	22.88	32.76	21.38	31.78	21.17	30.14	20.95	29.48	20.74	
	-18.80	-19.00	40.81	23.41	40.44	23.20	37.44	21.68	36.32	21.46	34.44	21.25	33.70	21.03	
	-14.7	-15	45.91	24.39	45.49	24.16	42.12	22.58	40.86	22.35	38.75	22.13	37.91	21.90	
	-12.6	-13	51.01	24.60	50.54	24.37	46.80	22.78	45.40	22.55	43.06	22.32	42.12	22.10	
	-10.5	-11	55.09	24.82	54.59	24.59	50.54	22.98	49.03	22.75	46.50	22.52	45.49	22.29	
	-9.5	-10	58.15	25.25	57.62	25.02	53.35	23.38	51.75	23.15	49.08	22.91	48.02	22.68	
	-8.5	-9.1	61.21	25.90	60.65	25.66	56.16	23.98	54.48	23.74	51.67	23.50	50.54	23.26	
	-7	-7.6	71.42	26.54	70.76	26.30	65.52	24.58	63.55	24.33	60.28	24.09	58.97	23.84	
	-5	-5.6	76.52	27.62	75.82	27.37	70.20	25.58	68.09	25.32	64.58	25.07	63.18	24.81	
	-3	-3.7	81.62	29.13	80.87	28.86	74.88	26.98	72.63	26.71	68.89	26.44	67.39	26.17	
	0	-0.7	89.78	28.49	88.96	28.22	82.37	26.38	79.90	26.11	75.78	25.85	74.13	25.58	
	3	2.2	96.92	25.90	96.03	25.66	88.92	23.98	86.25	23.74	81.81	23.50	80.03	23.26	
	5	4.1	98.96	24.82	98.06	24.59	90.79	22.98	88.07	22.75	83.53	22.52	81.71	22.29	
	7	6	102.02	21.58	101.09	21.38	93.60	19.98	90.79	19.78	86.11	19.58	84.24	19.38	
	9	7.9	104.06	21.36	103.11	21.17	95.47	19.78	92.61	19.58	87.83	19.39	85.92	19.19	
	11	9.8	104.06	21.15	103.11	20.95	95.47	19.58	92.61	19.39	87.83	19.19	85.92	18.99	
	13	11.8	104.06	21.04	103.11	20.85	95.47	19.48	92.61	19.29	87.83	19.09	85.92	18.90	
	15	13.7	104.06	20.93	103.11	20.74	95.47	19.38	92.61	19.19	87.83	18.99	85.92	18.80	
19	14.2	105.02	20.83	103.11	20.63	95.47	19.28	92.61	19.09	87.83	18.90	85.92	18.70		
21	15	105.02	20.72	103.11	20.53	95.47	19.18	92.61	18.99	87.83	18.80	85.92	18.61		
120%	-22.90	-23.00	35.37	23.33	35.04	23.11	32.45	21.60	31.47	21.39	29.85	21.17	29.20	20.95	
	-18.80	-19.00	40.42	23.66	40.05	23.44	37.08	21.90	35.97	21.68	34.11	21.47	33.37	21.25	
	-14.7	-15	45.47	24.64	45.05	24.41	41.72	22.81	40.46	22.58	38.38	22.36	37.54	22.13	
	-12.6	-13	50.52	24.86	50.06	24.63	46.35	23.01	44.96	22.78	42.64	22.55	41.72	22.32	
	-10.5	-11	54.56	25.07	54.06	24.84	50.06	23.22	48.56	22.98	46.05	22.75	45.05	22.52	
	-9.5	-10	57.59	25.51	57.07	25.27	52.84	23.62	51.25	23.38	48.61	23.15	47.56	22.91	
	-8.5	-9.1	60.63	26.16	60.07	25.92	55.62	24.23	53.95	23.98	51.17	23.74	50.06	23.50	
	-7	-7.6	70.73	26.82	70.08	26.57	64.89	24.83	62.94	24.58	59.70	24.33	58.40	24.09	
	-5	-5.6	75.78	27.91	75.09	27.65	69.53	25.84	67.44	25.58	63.96	25.32	62.57	25.07	
	-3	-3.7	80.83	29.43	80.09	29.16	74.16	27.25	71.94	26.98	68.23	26.71	66.74	26.44	
	0	-0.7	88.92	28.78	88.10	28.51	81.58	26.65	79.13	26.38	75.05	26.12	73.42	25.85	
	3	2.2	95.99	26.16	95.11	25.92	88.07	24.23	85.42	23.98	81.02	23.74	79.26	23.50	
	5	4.1	98.01	25.07	97.11	24.84	89.92	23.22	87.22	22.98	82.73	22.75	80.93	22.52	
	7	6	101.04	21.80	100.12	21.60	92.70	20.19	89.92	19.99	85.28	19.78	83.43	19.58	
	9	7.9	103.06	21.59	102.12	21.39	94.55	19.99	91.72	19.79	86.99	19.59	85.10	19.39	
	11	9.8	103.06	21.37	102.12	21.17	94.55	19.78	91.72	19.59	86.99	19.39	85.10	19.19	
	13	11.8	103.06	21.26	102.12	21.06	94.55	19.68	91.72	19.49	86.99	19.29	85.10	19.09	
	15	13.7	103.06	21.15	102.12	20.95	94.55	19.58	91.72	19.39	86.99	19.19	85.10	18.99	
19	14.2	104.01	21.04	102.12	20.85	94.55	19.48	91.72	19.29	86.99	19.09	85.10	18.90		
21	15	104.01	20.93	102.12	20.74	94.55	19.38	91.72	19.19	86.99	18.99	85.10	18.80		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT028S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	34.68	23.57	34.36	23.35	31.82	21.82	30.86	21.60	29.27	21.39	28.63	21.17	
	-18.80	-19.00	39.63	23.90	39.27	23.68	36.36	22.13	35.27	21.91	33.45	21.68	32.72	21.46	
	-14.7	-15	44.59	24.89	44.18	24.66	40.91	23.05	39.68	22.81	37.63	22.58	36.81	22.35	
	-12.6	-13	49.54	25.11	49.09	24.88	45.45	23.25	44.09	23.02	41.81	22.78	40.91	22.55	
	-10.5	-11	53.50	25.33	53.01	25.09	49.09	23.45	47.61	23.22	45.16	22.98	44.18	22.75	
	-9.5	-10	56.48	25.77	55.96	25.53	51.81	23.86	50.26	23.62	47.67	23.38	46.63	23.15	
	-8.5	-9.1	59.45	26.43	58.90	26.19	54.54	24.47	52.90	24.23	50.18	23.98	49.09	23.74	
	-7	-7.6	69.36	27.09	68.72	26.84	63.63	25.08	61.72	24.83	58.54	24.58	57.27	24.33	
	-5	-5.6	74.31	28.19	73.63	27.93	68.18	26.10	66.13	25.84	62.72	25.58	61.36	25.32	
	-3	-3.7	79.26	29.73	78.54	29.46	72.72	27.53	70.54	27.26	66.90	26.98	65.45	26.71	
	0	-0.7	87.19	29.07	86.39	28.80	79.99	26.92	77.59	26.65	73.59	26.38	71.99	26.11	
	3	2.2	94.13	26.43	93.26	26.19	86.36	24.47	83.76	24.23	79.45	23.98	77.72	23.74	
	5	4.1	96.11	25.33	95.23	25.09	88.17	23.45	85.53	23.22	81.12	22.98	79.36	22.75	
	7	6	99.08	22.03	98.17	21.82	90.90	20.39	88.17	20.19	83.63	19.99	81.81	19.78	
	9	7.9	101.06	21.81	100.14	21.60	92.72	20.19	89.94	19.99	85.30	19.79	83.45	19.58	
	11	9.8	101.06	21.59	100.14	21.39	92.72	19.99	89.94	19.79	85.30	19.59	83.45	19.39	
	13	11.8	101.06	21.47	100.14	21.28	92.72	19.88	89.94	19.69	85.30	19.49	83.45	19.29	
	15	13.7	101.06	21.36	100.14	21.17	92.72	19.78	89.94	19.58	85.30	19.39	83.45	19.19	
19	14.2	101.99	21.25	100.14	21.06	92.72	19.68	89.94	19.48	85.30	19.29	83.45	19.09		
21	15	101.99	21.14	100.14	20.95	92.72	19.58	89.94	19.38	85.30	19.19	83.45	18.99		
100%	-22.90	-23.00	34.34	23.81	34.02	23.58	31.50	22.04	30.56	21.82	28.98	21.60	28.35	21.38	
	-18.80	-19.00	39.24	24.14	38.88	23.92	36.00	22.35	34.92	22.13	33.12	21.90	32.40	21.68	
	-14.7	-15	44.15	25.14	43.74	24.91	40.50	23.28	39.29	23.05	37.26	22.81	36.45	22.58	
	-12.6	-13	49.05	25.36	48.60	25.13	45.00	23.48	43.65	23.25	41.40	23.01	40.50	22.78	
	-10.5	-11	52.97	25.59	52.49	25.35	48.60	23.69	47.14	23.45	44.71	23.22	43.74	22.98	
	-9.5	-10	55.92	26.03	55.40	25.79	51.30	24.10	49.76	23.86	47.20	23.62	46.17	23.38	
	-8.5	-9.1	58.86	26.70	58.32	26.45	54.00	24.72	52.38	24.47	49.68	24.23	48.60	23.98	
	-7	-7.6	68.67	27.37	68.04	27.11	63.00	25.34	61.11	25.08	57.96	24.83	56.70	24.58	
	-5	-5.6	73.58	28.48	72.90	28.21	67.50	26.37	65.48	26.10	62.10	25.84	60.75	25.58	
	-3	-3.7	78.48	30.03	77.76	29.76	72.00	27.81	69.84	27.53	66.24	27.25	64.80	26.98	
	0	-0.7	86.33	29.37	85.54	29.10	79.20	27.19	76.82	26.92	72.86	26.65	71.28	26.38	
	3	2.2	93.20	26.70	92.34	26.45	85.50	24.72	82.94	24.47	78.66	24.23	76.95	23.98	
	5	4.1	95.16	25.59	94.28	25.35	87.30	23.69	84.68	23.45	80.32	23.22	78.57	22.98	
	7	6	98.10	22.25	97.20	22.04	90.00	20.60	87.30	20.39	82.80	20.19	81.00	19.98	
	9	7.9	100.06	22.03	99.14	21.82	91.80	20.39	89.05	20.19	84.46	19.99	82.62	19.78	
	11	9.8	100.06	21.80	99.14	21.60	91.80	20.19	89.05	19.99	84.46	19.78	82.62	19.58	
	13	11.8	100.06	21.69	99.14	21.49	91.80	20.09	89.05	19.88	84.46	19.68	82.62	19.48	
	15	13.7	100.06	21.58	99.14	21.38	91.80	19.98	89.05	19.78	84.46	19.58	82.62	19.38	
19	14.2	100.98	21.47	99.14	21.27	91.80	19.88	89.05	19.68	84.46	19.48	82.62	19.28		
21	15	100.98	21.36	99.14	21.16	91.80	19.78	89.05	19.58	84.46	19.38	82.62	19.18		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT028S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	31.59	21.66	31.30	21.46	28.98	20.06	28.11	19.86	26.66	19.66	26.08	19.46	
	-18.80	-19.00	36.10	21.97	35.77	21.76	33.12	20.34	32.13	20.14	30.47	19.93	29.81	19.73	
	-14.7	-15	40.61	22.88	40.24	22.67	37.26	21.18	36.14	20.97	34.28	20.76	33.53	20.55	
	-12.6	-13	45.13	23.08	44.71	22.87	41.40	21.37	40.16	21.16	38.09	20.94	37.26	20.73	
	-10.5	-11	48.74	23.28	48.29	23.07	44.71	21.56	43.37	21.34	41.14	21.13	40.24	20.91	
	-9.5	-10	51.44	23.69	50.97	23.47	47.20	21.93	45.78	21.71	43.42	21.49	42.48	21.27	
	-8.5	-9.1	54.15	24.29	53.65	24.07	49.68	22.50	48.19	22.27	45.71	22.05	44.71	21.82	
	-7	-7.6	63.18	24.90	62.60	24.67	57.96	23.06	56.22	22.83	53.32	22.60	52.16	22.37	
	-5	-5.6	67.69	25.91	67.07	25.67	62.10	23.99	60.24	23.75	57.13	23.51	55.89	23.28	
	-3	-3.7	72.20	27.33	71.54	27.08	66.24	25.31	64.25	25.05	60.94	24.80	59.62	24.55	
	0	-0.7	79.42	26.72	78.69	26.48	72.86	24.74	70.68	24.50	67.03	24.25	65.58	24.00	
	3	2.2	85.74	24.29	84.95	24.07	78.66	22.50	76.30	22.27	72.37	22.05	70.79	21.82	
	5	4.1	87.54	23.28	86.74	23.07	80.32	21.56	77.91	21.34	73.89	21.13	72.28	20.91	
	7	6	90.25	20.25	89.42	20.06	82.80	18.75	80.32	18.56	76.18	18.37	74.52	18.18	
	9	7.9	92.06	20.04	91.21	19.86	84.46	18.56	81.92	18.37	77.70	18.19	76.01	18.00	
	11	9.8	92.06	19.84	91.21	19.66	84.46	18.37	81.92	18.19	77.70	18.00	76.01	17.82	
	13	11.8	92.06	19.74	91.21	19.56	84.46	18.28	81.92	18.09	77.70	17.91	76.01	17.73	
	15	13.7	92.06	19.64	91.21	19.46	84.46	18.18	81.92	18.00	77.70	17.82	76.01	17.64	
19	14.2	92.90	19.54	91.21	19.36	84.46	18.09	81.92	17.91	77.70	17.73	76.01	17.55		
21	15	92.90	19.44	91.21	19.26	84.46	18.00	81.92	17.82	77.70	17.64	76.01	17.46		
80%	-22.90	-23.00	27.81	17.55	27.56	17.38	25.52	16.25	24.75	16.08	23.47	15.92	22.96	15.76	
	-18.80	-19.00	31.78	17.79	31.49	17.63	29.16	16.47	28.29	16.31	26.83	16.15	26.24	15.98	
	-14.7	-15	35.76	18.53	35.43	18.36	32.81	17.16	31.82	16.99	30.18	16.82	29.52	16.64	
	-12.6	-13	39.73	18.69	39.37	18.52	36.45	17.31	35.36	17.14	33.53	16.96	32.81	16.79	
	-10.5	-11	42.91	18.86	42.52	18.68	39.37	17.46	38.19	17.29	36.22	17.11	35.43	16.94	
	-9.5	-10	45.29	19.19	44.88	19.01	41.55	17.77	40.31	17.59	38.23	17.41	37.40	17.23	
	-8.5	-9.1	47.68	19.68	47.24	19.50	43.74	18.22	42.43	18.04	40.24	17.86	39.37	17.67	
	-7	-7.6	55.62	20.17	55.11	19.98	51.03	18.68	49.50	18.49	46.95	18.30	45.93	18.12	
	-5	-5.6	59.60	20.99	59.05	20.80	54.68	19.44	53.03	19.24	50.30	19.05	49.21	18.85	
	-3	-3.7	63.57	22.14	62.99	21.93	58.32	20.50	56.57	20.29	53.65	20.09	52.49	19.88	
	0	-0.7	69.93	21.65	69.28	21.45	64.15	20.04	62.23	19.84	59.02	19.64	57.74	19.44	
	3	2.2	75.49	19.68	74.80	19.50	69.26	18.22	67.18	18.04	63.71	17.86	62.33	17.67	
	5	4.1	77.08	18.86	76.37	18.68	70.71	17.46	68.59	17.29	65.06	17.11	63.64	16.94	
	7	6	79.46	16.40	78.73	16.25	72.90	15.18	70.71	15.03	67.07	14.88	65.61	14.73	
	9	7.9	81.05	16.24	80.31	16.08	74.36	15.03	72.13	14.88	68.41	14.73	66.92	14.58	
	11	9.8	81.05	16.07	80.31	15.92	74.36	14.88	72.13	14.73	68.41	14.58	66.92	14.43	
	13	11.8	81.05	15.99	80.31	15.84	74.36	14.80	72.13	14.66	68.41	14.51	66.92	14.36	
	15	13.7	81.05	15.91	80.31	15.76	74.36	14.73	72.13	14.58	68.41	14.43	66.92	14.29	
19	14.2	81.79	15.83	80.31	15.68	74.36	14.65	72.13	14.51	68.41	14.36	66.92	14.21		
21	15	81.79	15.74	80.31	15.60	74.36	14.58	72.13	14.43	68.41	14.29	66.92	14.14		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT028S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-22.90	-23.00	24.03	16.66	23.81	16.51	22.05	15.43	21.39	15.28	20.29	15.12	19.85	14.97	
	-18.80	-19.00	27.47	16.90	27.22	16.74	25.20	15.65	24.44	15.49	23.18	15.33	22.68	15.18	
	-14.7	-15	30.90	17.60	30.62	17.44	28.35	16.29	27.50	16.13	26.08	15.97	25.52	15.81	
	-12.6	-13	34.34	17.75	34.02	17.59	31.50	16.44	30.56	16.27	28.98	16.11	28.35	15.95	
	-10.5	-11	37.08	17.91	36.74	17.74	34.02	16.58	33.00	16.42	31.30	16.25	30.62	16.09	
	-9.5	-10	39.14	18.22	38.78	18.05	35.91	16.87	34.83	16.70	33.04	16.53	32.32	16.37	
	-8.5	-9.1	41.20	18.69	40.82	18.52	37.80	17.30	36.67	17.13	34.78	16.96	34.02	16.78	
	-7	-7.6	48.07	19.16	47.63	18.98	44.10	17.74	42.78	17.56	40.57	17.38	39.69	17.20	
	-5	-5.6	51.50	19.93	51.03	19.75	47.25	18.46	45.83	18.27	43.47	18.09	42.53	17.90	
	-3	-3.7	54.94	21.02	54.43	20.83	50.40	19.47	48.89	19.27	46.37	19.08	45.36	18.88	
	0	-0.7	60.43	20.56	59.88	20.37	55.44	19.03	53.78	18.84	51.00	18.65	49.90	18.46	
	3	2.2	65.24	18.69	64.64	18.52	59.85	17.30	58.05	17.13	55.06	16.96	53.87	16.78	
	5	4.1	66.61	17.91	66.00	17.74	61.11	16.58	59.28	16.42	56.22	16.25	55.00	16.09	
	7	6	68.67	15.57	68.04	15.43	63.00	14.42	61.11	14.28	57.96	14.13	56.70	13.99	
	9	7.9	70.04	15.42	69.40	15.28	64.26	14.28	62.33	14.13	59.12	13.99	57.83	13.85	
	11	9.8	70.04	15.26	69.40	15.12	64.26	14.13	62.33	13.99	59.12	13.85	57.83	13.71	
	13	11.8	70.04	15.18	69.40	15.04	64.26	14.06	62.33	13.92	59.12	13.78	57.83	13.64	
	15	13.7	70.04	15.11	69.40	14.97	64.26	13.99	62.33	13.85	59.12	13.71	57.83	13.57	
19	14.2	70.69	15.03	69.40	14.89	64.26	13.92	62.33	13.78	59.12	13.64	57.83	13.50		
21	15	70.69	14.95	69.40	14.81	64.26	13.84	62.33	13.70	59.12	13.57	57.83	13.43		
60%	-22.90	-23.00	21.63	14.76	21.43	14.62	19.85	13.67	19.25	13.53	18.26	13.39	17.86	13.26	
	-18.80	-19.00	24.72	14.97	24.49	14.83	22.68	13.86	22.00	13.72	20.87	13.58	20.41	13.44	
	-14.7	-15	27.81	15.59	27.56	15.44	25.52	14.43	24.75	14.29	23.47	14.14	22.96	14.00	
	-12.6	-13	30.90	15.72	30.62	15.58	28.35	14.56	27.50	14.41	26.08	14.27	25.52	14.12	
	-10.5	-11	33.37	15.86	33.07	15.72	30.62	14.69	29.70	14.54	28.17	14.39	27.56	14.25	
	-9.5	-10	35.23	16.14	34.90	15.99	32.32	14.94	31.35	14.79	29.73	14.64	29.09	14.49	
	-8.5	-9.1	37.08	16.55	36.74	16.40	34.02	15.33	33.00	15.17	31.30	15.02	30.62	14.87	
	-7	-7.6	43.26	16.97	42.87	16.81	39.69	15.71	38.50	15.55	36.51	15.40	35.72	15.24	
	-5	-5.6	46.35	17.66	45.93	17.49	42.53	16.35	41.25	16.18	39.12	16.02	38.27	15.86	
	-3	-3.7	49.44	18.62	48.99	18.45	45.36	17.24	44.00	17.07	41.73	16.90	40.82	16.72	
	0	-0.7	54.39	18.21	53.89	18.04	49.90	16.86	48.40	16.69	45.90	16.52	44.91	16.35	
	3	2.2	58.71	16.55	58.17	16.40	53.87	15.33	52.25	15.17	49.56	15.02	48.48	14.87	
	5	4.1	59.95	15.86	59.40	15.72	55.00	14.69	53.35	14.54	50.60	14.39	49.50	14.25	
	7	6	61.80	13.79	61.24	13.67	56.70	12.77	55.00	12.64	52.16	12.52	51.03	12.39	
	9	7.9	63.04	13.66	62.46	13.53	57.83	12.64	56.10	12.52	53.21	12.39	52.05	12.26	
	11	9.8	63.04	13.52	62.46	13.39	57.83	12.52	56.10	12.39	53.21	12.27	52.05	12.14	
	13	11.8	63.04	13.45	62.46	13.32	57.83	12.45	56.10	12.33	53.21	12.20	52.05	12.08	
	15	13.7	63.04	13.38	62.46	13.26	57.83	12.39	56.10	12.26	53.21	12.14	52.05	12.02	
19	14.2	63.62	13.31	62.46	13.19	57.83	12.32	56.10	12.20	53.21	12.08	52.05	11.96		
21	15	63.62	13.24	62.46	13.12	57.83	12.26	56.10	12.14	53.21	12.02	52.05	11.89		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT028S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	18.54	15.47	18.37	15.33	17.01	14.33	16.50	14.18	15.65	14.04	15.31	13.90	
	-18.80	-19.00	21.19	15.69	21.00	15.55	19.44	14.53	18.86	14.38	17.88	14.24	17.50	14.09	
	-14.7	-15	23.84	16.34	23.62	16.19	21.87	15.13	21.21	14.98	20.12	14.83	19.68	14.68	
	-12.6	-13	26.49	16.49	26.24	16.33	24.30	15.26	23.57	15.11	22.36	14.96	21.87	14.81	
	-10.5	-11	28.61	16.63	28.34	16.48	26.24	15.40	25.46	15.24	24.14	15.09	23.62	14.94	
	-9.5	-10	30.20	16.92	29.92	16.76	27.70	15.67	26.87	15.51	25.49	15.35	24.93	15.20	
	-8.5	-9.1	31.78	17.35	31.49	17.19	29.16	16.07	28.29	15.91	26.83	15.75	26.24	15.59	
	-7	-7.6	37.08	17.79	36.74	17.62	34.02	16.47	33.00	16.31	31.30	16.14	30.62	15.98	
	-5	-5.6	39.73	18.51	39.37	18.34	36.45	17.14	35.36	16.97	33.53	16.80	32.81	16.63	
	-3	-3.7	42.38	19.52	41.99	19.34	38.88	18.08	37.71	17.90	35.77	17.71	34.99	17.53	
	0	-0.7	46.62	19.09	46.19	18.91	42.77	17.67	41.48	17.50	39.35	17.32	38.49	17.14	
	3	2.2	50.33	17.35	49.86	17.19	46.17	16.07	44.78	15.91	42.48	15.75	41.55	15.59	
	5	4.1	51.38	16.63	50.91	16.48	47.14	15.40	45.73	15.24	43.37	15.09	42.43	14.94	
	7	6	52.97	14.46	52.49	14.33	48.60	13.39	47.14	13.26	44.71	13.12	43.74	12.99	
	9	7.9	54.03	14.32	53.54	14.18	49.57	13.26	48.08	13.12	45.61	12.99	44.61	12.86	
	11	9.8	54.03	14.17	53.54	14.04	49.57	13.12	48.08	12.99	45.61	12.86	44.61	12.73	
	13	11.8	54.03	14.10	53.54	13.97	49.57	13.06	48.08	12.92	45.61	12.79	44.61	12.66	
15	13.7	54.03	14.03	53.54	13.90	49.57	12.99	48.08	12.86	45.61	12.73	44.61	12.60		
19	14.2	54.53	13.96	53.54	13.83	49.57	12.92	48.08	12.79	45.61	12.66	44.61	12.53		
21	15	54.53	13.88	53.54	13.75	49.57	12.85	48.08	12.73	45.61	12.60	44.61	12.47		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT030S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	38.83	24.10	38.47	23.88	35.62	22.31	34.55	22.09	32.77	21.87	32.06	21.65	
	-18.80	-19.00	43.08	24.44	42.68	24.21	39.52	22.63	38.33	22.40	36.36	22.18	35.57	21.95	
	-14.7	-15	48.46	25.45	48.02	25.22	44.46	23.57	43.13	23.33	40.90	23.09	40.01	22.86	
	-12.6	-13	53.85	25.68	53.35	25.44	49.40	23.77	47.92	23.54	45.45	23.30	44.46	22.86	
	-10.5	-11	58.15	25.90	57.62	25.66	53.35	23.98	51.75	23.74	49.08	23.50	48.02	23.26	
	-9.5	-10	61.38	26.35	60.82	26.11	56.32	24.40	54.63	24.16	51.81	23.91	50.68	23.67	
	-8.5	-9.1	64.62	27.03	64.02	26.78	59.28	25.03	57.50	24.78	54.54	24.53	53.35	24.28	
	-7	-7.6	75.38	27.70	74.69	27.45	69.16	25.65	67.09	25.40	63.63	25.14	62.24	24.88	
	-5	-5.6	80.77	28.83	80.03	28.56	74.10	26.69	71.88	26.43	68.17	26.16	66.69	25.89	
	-3	-3.7	86.15	30.41	85.36	30.13	79.04	28.15	76.67	27.87	72.72	27.59	71.14	27.31	
	0	-0.7	94.77	29.73	93.90	29.46	86.94	27.53	84.34	27.25	79.99	26.98	78.25	26.70	
	3	2.2	102.31	27.03	101.37	26.78	93.86	25.03	91.04	24.78	86.35	24.53	84.47	24.28	
	5	4.1	104.46	25.90	103.50	25.66	95.84	23.98	92.96	23.74	88.17	23.50	86.25	23.26	
	7	6	107.69	22.52	106.70	22.31	98.80	20.86	95.84	20.65	90.90	20.44	88.92	20.23	
	9	7.9	109.85	22.30	108.84	22.09	100.78	20.65	97.75	20.44	92.71	20.23	90.70	20.03	
	11	9.8	109.85	22.07	108.84	21.87	100.78	20.44	97.75	20.23	92.71	20.03	90.70	19.82	
	13	11.8	109.85	21.96	108.84	21.76	100.78	20.33	97.75	20.13	92.71	19.93	90.70	19.72	
	15	13.7	109.85	21.85	108.84	21.65	100.78	20.23	97.75	20.03	92.71	19.82	90.70	19.62	
19	14.2	110.85	21.74	108.84	21.53	100.78	20.13	97.75	19.92	92.71	19.72	90.70	19.52		
21	15	110.85	21.62	108.84	21.42	100.78	20.02	97.75	19.82	92.71	19.62	90.70	19.42		
120%	-22.90	-23.00	38.45	24.35	38.10	24.12	35.28	22.54	34.22	22.32	32.46	22.09	31.75	21.87	
	-18.80	-19.00	42.66	24.69	42.27	24.46	39.14	22.86	37.97	22.63	36.01	22.40	35.23	22.18	
	-14.7	-15	48.00	25.71	47.56	25.48	44.03	23.81	42.71	23.57	40.51	23.33	39.63	23.09	
	-12.6	-13	53.33	25.94	52.84	25.70	48.93	24.02	47.46	23.78	45.01	23.54	44.03	23.30	
	-10.5	-11	57.59	26.17	57.07	25.93	52.84	24.23	51.25	23.99	48.61	23.75	47.56	23.50	
	-9.5	-10	60.79	26.62	60.24	26.38	55.77	24.65	54.10	24.41	51.31	24.16	50.20	23.91	
	-8.5	-9.1	63.99	27.31	63.41	27.05	58.71	25.28	56.95	25.03	54.01	24.78	52.84	24.53	
	-7	-7.6	74.66	27.99	73.97	27.73	68.50	25.92	66.44	25.66	63.02	25.40	61.65	25.14	
	-5	-5.6	79.99	29.13	79.26	28.86	73.39	26.97	71.19	26.70	67.52	26.43	66.05	26.16	
	-3	-3.7	85.33	30.72	84.54	30.44	78.28	28.44	75.93	28.16	72.02	27.88	70.45	27.59	
	0	-0.7	93.86	30.04	93.00	29.76	86.11	27.81	83.52	27.53	79.22	27.26	77.50	26.98	
	3	2.2	101.32	27.31	100.39	27.05	92.96	25.28	90.17	25.03	85.52	24.78	83.66	24.53	
	5	4.1	103.46	26.17	102.51	25.93	94.91	24.23	92.07	23.99	87.32	23.75	85.42	23.50	
	7	6	106.66	22.76	105.68	22.54	97.85	21.07	94.91	20.86	90.02	20.65	88.07	20.44	
	9	7.9	108.79	22.53	107.79	22.32	99.81	20.86	96.81	20.65	91.82	20.44	89.83	20.23	
	11	9.8	108.79	22.30	107.79	22.09	99.81	20.65	96.81	20.44	91.82	20.24	89.83	20.03	
	13	11.8	108.79	22.19	107.79	21.98	99.81	20.54	96.81	20.34	91.82	20.13	89.83	19.93	
	15	13.7	108.79	22.07	107.79	21.87	99.81	20.44	96.81	20.23	91.82	20.03	89.83	19.82	
19	14.2	109.79	21.96	107.79	21.76	99.81	20.33	96.81	20.13	91.82	19.93	89.83	19.72		
21	15	109.79	21.85	107.79	21.64	99.81	20.23	96.81	20.02	91.82	19.82	89.83	19.62		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT030S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-22.90	-23.00	37.71	24.60	37.36	24.37	34.59	22.77	33.55	22.55	31.83	22.32	31.13	22.09	
	-18.80	-19.00	41.83	24.94	41.45	24.71	38.38	23.09	37.23	22.86	35.31	22.63	34.54	22.40	
	-14.7	-15	47.06	25.98	46.63	25.74	43.18	24.05	41.88	23.81	39.72	23.57	38.86	23.33	
	-12.6	-13	52.29	26.21	51.81	25.96	47.98	24.26	46.54	24.02	44.14	23.78	43.18	23.54	
	-10.5	-11	56.48	26.44	55.96	26.19	51.81	24.48	50.26	24.23	47.67	23.99	46.63	23.74	
	-9.5	-10	59.61	26.90	59.07	26.65	54.69	24.90	53.05	24.65	50.32	24.41	49.22	24.16	
	-8.5	-9.1	62.75	27.59	62.18	27.33	57.57	25.54	55.84	25.29	52.96	25.03	51.81	24.78	
	-7	-7.6	73.21	28.27	72.54	28.01	67.17	26.18	65.15	25.92	61.79	25.66	60.45	25.40	
	-5	-5.6	78.44	29.42	77.72	29.15	71.96	27.24	69.80	26.97	66.21	26.70	64.77	26.43	
	-3	-3.7	83.67	31.03	82.90	30.75	76.76	28.73	74.46	28.45	70.62	28.16	69.08	27.87	
	0	-0.7	92.04	30.34	91.19	30.06	84.44	28.10	81.90	27.82	77.68	27.53	75.99	27.25	
	3	2.2	99.36	27.59	98.44	27.33	91.15	25.54	88.42	25.29	83.86	25.03	82.04	24.78	
	5	4.1	101.45	26.44	100.52	26.19	93.07	24.48	90.28	24.23	85.63	23.99	83.76	23.74	
	7	6	104.59	22.99	103.63	22.77	95.95	21.29	93.07	21.07	88.27	20.86	86.36	20.65	
	9	7.9	106.68	22.76	105.70	22.55	97.87	21.07	94.93	20.86	90.04	20.65	88.08	20.44	
	11	9.8	106.68	22.53	105.70	22.32	97.87	20.86	94.93	20.65	90.04	20.44	88.08	20.23	
	13	11.8	106.68	22.41	105.70	22.21	97.87	20.75	94.93	20.55	90.04	20.34	88.08	20.13	
	15	13.7	106.68	22.30	105.70	22.09	97.87	20.65	94.93	20.44	90.04	20.23	88.08	20.03	
19	14.2	107.66	22.18	105.70	21.98	97.87	20.54	94.93	20.33	90.04	20.13	88.08	19.92		
21	15	107.66	22.07	105.70	21.86	97.87	20.43	94.93	20.23	90.04	20.02	88.08	19.82		
100%	-22.90	-23.00	37.33	24.85	36.99	24.62	34.25	23.01	33.22	22.77	31.51	22.54	30.83	22.31	
	-18.80	-19.00	41.42	25.19	41.04	24.96	38.00	23.33	36.86	23.09	34.96	22.86	34.20	22.63	
	-14.7	-15	46.60	26.24	46.17	26.00	42.75	24.30	41.47	24.05	39.33	23.81	38.48	23.57	
	-12.6	-13	51.78	26.47	51.30	26.23	47.50	24.51	46.08	24.26	43.70	24.02	42.75	23.77	
	-10.5	-11	55.92	26.70	55.40	26.46	51.30	24.73	49.76	24.48	47.20	24.23	46.17	23.98	
	-9.5	-10	59.02	27.17	58.48	26.92	54.15	25.16	52.53	24.90	49.82	24.65	48.74	24.40	
	-8.5	-9.1	62.13	27.86	61.56	27.61	57.00	25.80	55.29	25.54	52.44	25.28	51.30	25.03	
	-7	-7.6	72.49	28.56	71.82	28.30	66.50	26.45	64.51	26.18	61.18	25.92	59.85	25.65	
	-5	-5.6	77.66	29.72	76.95	29.45	71.25	27.52	69.11	27.24	65.55	26.97	64.13	26.69	
	-3	-3.7	82.84	31.35	82.08	31.06	76.00	29.03	73.72	28.73	69.92	28.44	68.40	28.15	
	0	-0.7	91.12	30.65	90.29	30.37	83.60	28.38	81.09	28.10	76.91	27.81	75.24	27.53	
	3	2.2	98.37	27.86	97.47	27.61	90.25	25.80	87.54	25.54	83.03	25.28	81.23	25.03	
	5	4.1	100.44	26.70	99.52	26.46	92.15	24.73	89.39	24.48	84.78	24.23	82.94	23.98	
	7	6	103.55	23.22	102.60	23.01	95.00	21.50	92.15	21.29	87.40	21.07	85.50	20.86	
	9	7.9	105.62	22.99	104.65	22.77	96.90	21.29	93.99	21.07	89.15	20.86	87.21	20.65	
	11	9.8	105.62	22.76	104.65	22.54	96.90	21.07	93.99	20.86	89.15	20.65	87.21	20.44	
	13	11.8	105.62	22.64	104.65	22.43	96.90	20.96	93.99	20.75	89.15	20.54	87.21	20.33	
	15	13.7	105.62	22.52	104.65	22.31	96.90	20.86	93.99	20.65	89.15	20.44	87.21	20.23	
19	14.2	106.59	22.41	104.65	22.20	96.90	20.75	93.99	20.54	89.15	20.33	87.21	20.13		
21	15	106.59	22.29	104.65	22.08	96.90	20.64	93.99	20.43	89.15	20.23	87.21	20.02		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT030S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	34.35	22.61	34.03	22.40	31.51	20.93	30.56	20.73	28.99	20.52	28.36	20.31	
	-18.80	-19.00	38.11	22.93	37.76	22.71	34.96	21.23	33.91	21.02	32.16	20.80	31.46	20.59	
	-14.7	-15	42.87	23.88	42.48	23.66	39.33	22.11	38.15	21.89	36.18	21.67	35.40	21.45	
	-12.6	-13	47.63	24.09	47.20	23.87	43.70	22.30	42.39	22.08	40.20	21.86	39.33	21.63	
	-10.5	-11	51.44	24.30	50.97	24.07	47.20	22.50	45.78	22.27	43.42	22.05	42.48	21.82	
	-9.5	-10	54.30	24.72	53.80	24.49	49.82	22.89	48.32	22.66	45.83	22.43	44.84	22.20	
	-8.5	-9.1	57.16	25.36	56.64	25.12	52.44	23.48	50.87	23.24	48.24	23.01	47.20	22.77	
	-7	-7.6	66.69	25.99	66.07	25.75	61.18	24.06	59.34	23.82	56.29	23.58	55.06	23.34	
	-5	-5.6	71.45	27.05	70.79	26.80	65.55	25.04	63.58	24.79	60.31	24.54	59.00	24.29	
	-3	-3.7	76.21	28.53	75.51	28.26	69.92	26.41	67.82	26.15	64.33	25.88	62.93	25.62	
	0	-0.7	83.83	27.89	83.06	27.63	76.91	25.83	74.60	25.57	70.76	25.31	69.22	25.05	
	3	2.2	90.50	25.36	89.67	25.12	83.03	23.48	80.54	23.24	76.39	23.01	74.73	22.77	
	5	4.1	92.41	24.30	91.56	24.07	84.78	22.50	82.23	22.27	78.00	22.05	76.30	21.82	
	7	6	95.27	21.13	94.39	20.93	87.40	19.57	84.78	19.37	80.41	19.17	78.66	18.98	
	9	7.9	97.17	20.92	96.28	20.73	89.15	19.37	86.47	19.18	82.02	18.98	80.23	18.79	
	11	9.8	97.17	20.71	96.28	20.52	89.15	19.17	86.47	18.98	82.02	18.79	80.23	18.60	
	13	11.8	97.17	20.60	96.28	20.41	89.15	19.08	86.47	18.89	82.02	18.69	80.23	18.50	
	15	13.7	97.17	20.50	96.28	20.31	89.15	18.98	86.47	18.79	82.02	18.60	80.23	18.41	
19	14.2	98.06	20.39	96.28	20.20	89.15	18.88	86.47	18.69	82.02	18.50	80.23	18.31		
21	15	98.06	20.28	96.28	20.10	89.15	18.78	86.47	18.59	82.02	18.41	80.23	18.22		
80%	-22.90	-23.00	30.24	18.31	29.96	18.14	27.74	16.96	26.91	16.79	25.52	16.62	24.97	16.45	
	-18.80	-19.00	33.55	18.57	33.24	18.40	30.78	17.19	29.86	17.02	28.32	16.85	27.70	16.68	
	-14.7	-15	37.74	19.34	37.40	19.16	34.63	17.91	33.59	17.73	31.86	17.55	31.16	17.37	
	-12.6	-13	41.94	19.51	41.55	19.33	38.48	18.07	37.32	17.89	35.40	17.70	34.63	17.52	
	-10.5	-11	45.29	19.68	44.88	19.50	41.55	18.22	40.31	18.04	38.23	17.86	37.40	17.68	
	-9.5	-10	47.81	20.03	47.37	19.84	43.86	18.54	42.55	18.36	40.35	18.17	39.48	17.99	
	-8.5	-9.1	50.33	20.54	49.86	20.35	46.17	19.02	44.78	18.83	42.48	18.64	41.55	18.45	
	-7	-7.6	58.71	21.05	58.17	20.86	53.87	19.49	52.25	19.30	49.56	19.10	48.48	18.91	
	-5	-5.6	62.91	21.91	62.33	21.70	57.71	20.28	55.98	20.08	53.10	19.88	51.94	19.68	
	-3	-3.7	67.10	23.11	66.48	22.89	61.56	21.39	59.71	21.18	56.64	20.97	55.40	20.75	
	0	-0.7	73.81	22.59	73.13	22.38	67.72	20.92	65.68	20.71	62.30	20.50	60.94	20.29	
	3	2.2	79.68	20.54	78.95	20.35	73.10	19.02	70.91	18.83	67.25	18.64	65.79	18.45	
	5	4.1	81.36	19.68	80.61	19.50	74.64	18.22	72.40	18.04	68.67	17.86	67.18	17.68	
	7	6	83.88	17.12	83.11	16.96	76.95	15.85	74.64	15.69	70.79	15.53	69.26	15.37	
	9	7.9	85.55	16.94	84.77	16.79	78.49	15.69	76.13	15.53	72.21	15.38	70.64	15.22	
	11	9.8	85.55	16.77	84.77	16.62	78.49	15.53	76.13	15.38	72.21	15.22	70.64	15.06	
	13	11.8	85.55	16.69	84.77	16.53	78.49	15.45	76.13	15.30	72.21	15.14	70.64	14.99	
	15	13.7	85.55	16.60	84.77	16.45	78.49	15.37	76.13	15.22	72.21	15.06	70.64	14.91	
19	14.2	86.34	16.52	84.77	16.36	78.49	15.29	76.13	15.14	72.21	14.99	70.64	14.83		
21	15	86.34	16.43	84.77	16.28	78.49	15.21	76.13	15.06	72.21	14.91	70.64	14.76		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT030S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
70%	-22.90	-23.00	26.13	17.39	25.89	17.23	23.98	16.10	23.26	15.94	22.06	15.78	21.58	15.62	
	-18.80	-19.00	28.99	17.64	28.73	17.47	26.60	16.33	25.80	16.17	24.47	16.00	23.94	15.84	
	-14.7	-15	32.62	18.37	32.32	18.20	29.93	17.01	29.03	16.84	27.53	16.67	26.93	16.50	
	-12.6	-13	36.24	18.53	35.91	18.36	33.25	17.16	32.25	16.99	30.59	16.81	29.93	16.64	
	-10.5	-11	39.14	18.69	38.78	18.52	35.91	17.31	34.83	17.13	33.04	16.96	32.32	16.79	
	-9.5	-10	41.32	19.02	40.94	18.84	37.91	17.61	36.77	17.43	34.87	17.26	34.11	17.08	
	-8.5	-9.1	43.49	19.50	43.09	19.32	39.90	18.06	38.70	17.88	36.71	17.70	35.91	17.52	
	-7	-7.6	50.74	19.99	50.27	19.81	46.55	18.51	45.15	18.33	42.83	18.14	41.90	17.96	
	-5	-5.6	54.36	20.81	53.87	20.61	49.88	19.26	48.38	19.07	45.89	18.88	44.89	18.69	
	-3	-3.7	57.99	21.94	57.46	21.74	53.20	20.32	51.60	20.11	48.94	19.91	47.88	19.71	
	0	-0.7	63.79	21.46	63.20	21.26	58.52	19.87	56.76	19.67	53.84	19.47	52.67	19.27	
	3	2.2	68.86	19.50	68.23	19.32	63.18	18.06	61.28	17.88	58.12	17.70	56.86	17.52	
	5	4.1	70.31	18.69	69.67	18.52	64.51	17.31	62.57	17.13	59.34	16.96	58.05	16.79	
	7	6	72.49	16.25	71.82	16.10	66.50	15.05	64.51	14.90	61.18	14.75	59.85	14.60	
	9	7.9	73.93	16.09	73.26	15.94	67.83	14.90	65.80	14.75	62.40	14.60	61.05	14.45	
	11	9.8	73.93	15.93	73.26	15.78	67.83	14.75	65.80	14.60	62.40	14.45	61.05	14.31	
	13	11.8	73.93	15.85	73.26	15.70	67.83	14.67	65.80	14.53	62.40	14.38	61.05	14.23	
	15	13.7	73.93	15.77	73.26	15.62	67.83	14.60	65.80	14.45	62.40	14.31	61.05	14.16	
19	14.2	74.61	15.69	73.26	15.54	67.83	14.52	65.80	14.38	62.40	14.23	61.05	14.09		
21	15	74.61	15.60	73.26	15.46	67.83	14.45	65.80	14.30	62.40	14.16	61.05	14.01		
60%	-22.90	-23.00	23.52	15.40	23.30	15.26	21.58	14.26	20.93	14.12	19.85	13.98	19.42	13.84	
	-18.80	-19.00	26.09	15.62	25.86	15.48	23.94	14.46	23.22	14.32	22.02	14.17	21.55	14.03	
	-14.7	-15	29.36	16.27	29.09	16.12	26.93	15.06	26.12	14.91	24.78	14.76	24.24	14.61	
	-12.6	-13	32.62	16.41	32.32	16.26	29.93	15.20	29.03	15.04	27.53	14.89	26.93	14.74	
	-10.5	-11	35.23	16.56	34.90	16.40	32.32	15.33	31.35	15.18	29.73	15.02	29.09	14.87	
	-9.5	-10	37.18	16.84	36.84	16.69	34.11	15.60	33.09	15.44	31.39	15.28	30.70	15.13	
	-8.5	-9.1	39.14	17.28	38.78	17.12	35.91	16.00	34.83	15.84	33.04	15.68	32.32	15.52	
	-7	-7.6	45.67	17.71	45.25	17.54	41.90	16.40	40.64	16.23	38.54	16.07	37.71	15.90	
	-5	-5.6	48.93	18.43	48.48	18.26	44.89	17.06	43.54	16.89	41.30	16.72	40.40	16.55	
	-3	-3.7	52.19	19.44	51.71	19.26	47.88	18.00	46.44	17.82	44.05	17.64	43.09	17.46	
	0	-0.7	57.41	19.00	56.88	18.83	52.67	17.60	51.09	17.42	48.45	17.24	47.40	17.07	
	3	2.2	61.97	17.28	61.41	17.12	56.86	16.00	55.15	15.84	52.31	15.68	51.17	15.52	
	5	4.1	63.28	16.56	62.70	16.40	58.05	15.33	56.31	15.18	53.41	15.02	52.25	14.87	
	7	6	65.24	14.40	64.64	14.26	59.85	13.33	58.05	13.20	55.06	13.06	53.87	12.93	
	9	7.9	66.54	14.25	65.93	14.12	61.05	13.20	59.22	13.06	56.16	12.93	54.94	12.80	
	11	9.8	66.54	14.11	65.93	13.98	61.05	13.06	59.22	12.93	56.16	12.80	54.94	12.67	
	13	11.8	66.54	14.04	65.93	13.91	61.05	13.00	59.22	12.87	56.16	12.74	54.94	12.61	
	15	13.7	66.54	13.96	65.93	13.84	61.05	12.93	59.22	12.80	56.16	12.67	54.94	12.54	
19	14.2	67.15	13.89	65.93	13.76	61.05	12.86	59.22	12.73	56.16	12.61	54.94	12.48		
21	15	67.15	13.82	65.93	13.69	61.05	12.80	59.22	12.67	56.16	12.54	54.94	12.41		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT030S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	20.16	16.15	19.97	16.00	18.50	14.95	17.94	14.80	17.02	14.65	16.65	14.50	
	-18.80	-19.00	22.37	16.38	22.16	16.22	20.52	15.16	19.90	15.01	18.88	14.86	18.47	14.71	
	-14.7	-15	25.16	17.06	24.93	16.90	23.09	15.79	22.39	15.63	21.24	15.48	20.78	15.32	
	-12.6	-13	27.96	17.21	27.70	17.05	25.65	15.93	24.88	15.77	23.60	15.61	23.09	15.45	
	-10.5	-11	30.20	17.36	29.92	17.20	27.70	16.07	26.87	15.91	25.49	15.75	24.93	15.59	
	-9.5	-10	31.87	17.66	31.58	17.50	29.24	16.35	28.36	16.19	26.90	16.02	26.32	15.86	
	-8.5	-9.1	33.55	18.11	33.24	17.94	30.78	16.77	29.86	16.60	28.32	16.43	27.70	16.27	
	-7	-7.6	39.14	18.56	38.78	18.39	35.91	17.19	34.83	17.02	33.04	16.85	32.32	16.67	
	-5	-5.6	41.94	19.32	41.55	19.14	38.48	17.89	37.32	17.71	35.40	17.53	34.63	17.35	
	-3	-3.7	44.73	20.38	44.32	20.19	41.04	18.87	39.81	18.68	37.76	18.49	36.94	18.30	
	0	-0.7	49.21	19.92	48.76	19.74	45.14	18.45	43.79	18.26	41.53	18.08	40.63	17.89	
	3	2.2	53.12	18.11	52.63	17.94	48.74	16.77	47.27	16.60	44.84	16.43	43.86	16.27	
	5	4.1	54.24	17.36	53.74	17.20	49.76	16.07	48.27	15.91	45.78	15.75	44.78	15.59	
	7	6	55.92	15.09	55.40	14.95	51.30	13.98	49.76	13.84	47.20	13.70	46.17	13.56	
	9	7.9	57.04	14.94	56.51	14.80	52.33	13.84	50.76	13.70	48.14	13.56	47.09	13.42	
	11	9.8	57.04	14.79	56.51	14.65	52.33	13.70	50.76	13.56	48.14	13.42	47.09	13.28	
	13	11.8	57.04	14.72	56.51	14.58	52.33	13.63	50.76	13.49	48.14	13.35	47.09	13.22	
15	13.7	57.04	14.64	56.51	14.50	52.33	13.56	50.76	13.42	48.14	13.28	47.09	13.15		
19	14.2	57.56	14.56	56.51	14.43	52.33	13.49	50.76	13.35	48.14	13.22	47.09	13.08		
21	15	57.56	14.49	56.51	14.36	52.33	13.42	50.76	13.28	48.14	13.15	47.09	13.01		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT032S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	41.94	25.11	41.56	24.88	38.48	23.25	37.33	23.02	35.40	22.78	34.63	22.55	
	-18.80	-19.00	45.34	25.46	44.93	25.23	41.60	23.57	40.35	23.34	38.27	23.10	37.44	22.87	
	-14.7	-15	51.01	26.52	50.54	26.27	46.80	24.55	45.40	24.31	43.06	24.06	42.12	23.82	
	-12.6	-13	56.68	26.75	56.16	26.50	52.00	24.77	50.44	24.52	47.84	24.27	46.80	24.03	
	-10.5	-11	61.21	26.99	60.65	26.74	56.16	24.99	54.48	24.74	51.67	24.49	50.54	24.24	
	-9.5	-10	64.62	27.46	64.02	27.20	59.28	25.42	57.50	25.17	54.54	24.91	53.35	24.66	
	-8.5	-9.1	68.02	28.16	67.39	27.90	62.40	26.07	60.53	25.81	57.41	25.55	56.16	25.29	
	-7	-7.6	79.35	28.86	78.62	28.60	72.80	26.73	70.62	26.46	66.98	26.19	65.52	25.92	
	-5	-5.6	85.02	30.04	84.24	29.76	78.00	27.81	75.66	27.53	71.76	27.26	70.20	26.98	
	-3	-3.7	90.69	31.68	89.86	31.39	83.20	29.33	80.70	29.04	76.54	28.75	74.88	28.45	
	0	-0.7	99.76	30.98	98.84	30.69	91.52	28.68	88.77	28.39	84.20	28.11	82.37	27.82	
	3	2.2	107.69	28.16	106.70	27.90	98.80	26.07	95.84	25.81	90.90	25.55	88.92	25.29	
	5	4.1	109.96	26.99	108.95	26.74	100.88	24.99	97.85	24.74	92.81	24.49	90.79	24.24	
	7	6	113.36	23.47	112.32	23.25	104.00	21.73	100.88	21.51	95.68	21.29	93.60	21.08	
	9	7.9	115.63	23.23	114.57	23.02	106.08	21.51	102.90	21.30	97.59	21.08	95.47	20.87	
	11	9.8	115.63	23.00	114.57	22.78	106.08	21.29	102.90	21.08	97.59	20.87	95.47	20.65	
	13	11.8	115.63	22.88	114.57	22.67	106.08	21.18	102.90	20.97	97.59	20.76	95.47	20.55	
	15	13.7	115.63	22.76	114.57	22.55	106.08	21.08	102.90	20.87	97.59	20.65	95.47	20.44	
19	14.2	116.69	22.64	114.57	22.44	106.08	20.97	102.90	20.76	97.59	20.55	95.47	20.34		
21	15	116.69	22.53	114.57	22.32	106.08	20.86	102.90	20.65	97.59	20.44	95.47	20.23		
120%	-22.90	-23.00	41.54	25.37	41.16	25.13	38.11	23.49	36.97	23.25	35.06	23.02	34.30	22.78	
	-18.80	-19.00	44.91	25.72	44.50	25.49	41.20	23.82	39.96	23.58	37.90	23.34	37.08	23.10	
	-14.7	-15	50.52	26.79	50.06	26.54	46.35	24.81	44.96	24.56	42.64	24.31	41.72	24.06	
	-12.6	-13	56.14	27.03	55.62	26.78	51.50	25.03	49.96	24.78	47.38	24.52	46.35	24.27	
	-10.5	-11	60.63	27.26	60.07	27.01	55.62	25.24	53.95	24.99	51.17	24.74	50.06	24.49	
	-9.5	-10	63.99	27.74	63.41	27.48	58.71	25.68	56.95	25.43	54.01	25.17	52.84	24.91	
	-8.5	-9.1	67.36	28.45	66.74	28.19	61.80	26.34	59.95	26.08	56.86	25.82	55.62	25.55	
	-7	-7.6	78.59	29.16	77.87	28.89	72.10	27.00	69.94	26.73	66.33	26.46	64.89	26.19	
	-5	-5.6	84.20	30.35	83.43	30.07	77.25	28.10	74.93	27.82	71.07	27.54	69.53	27.26	
	-3	-3.7	89.82	32.01	88.99	31.71	82.40	29.64	79.93	29.34	75.81	29.04	74.16	28.75	
	0	-0.7	98.80	31.29	97.89	31.01	90.64	28.98	87.92	28.69	83.39	28.40	81.58	28.11	
	3	2.2	106.66	28.45	105.68	28.19	97.85	26.34	94.91	26.08	90.02	25.82	88.07	25.55	
	5	4.1	108.90	27.26	107.90	27.01	99.91	25.24	96.91	24.99	91.92	24.74	89.92	24.49	
	7	6	112.27	23.71	111.24	23.49	103.00	21.95	99.91	21.73	94.76	21.51	92.70	21.29	
	9	7.9	114.52	23.47	113.46	23.25	105.06	21.73	101.91	21.52	96.66	21.30	94.55	21.08	
	11	9.8	114.52	23.23	113.46	23.02	105.06	21.51	101.91	21.30	96.66	21.08	94.55	20.87	
	13	11.8	114.52	23.12	113.46	22.90	105.06	21.40	101.91	21.19	96.66	20.98	94.55	20.76	
	15	13.7	114.52	23.00	113.46	22.78	105.06	21.29	101.91	21.08	96.66	20.87	94.55	20.65	
19	14.2	115.57	22.88	113.46	22.67	105.06	21.18	101.91	20.97	96.66	20.76	94.55	20.55		
21	15	115.57	22.76	113.46	22.55	105.06	21.07	101.91	20.86	96.66	20.65	94.55	20.44		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT032S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	40.73	25.63	40.36	25.39	37.37	23.73	36.25	23.49	34.38	23.25	33.63	23.02	
	-18.80	-19.00	44.04	25.99	43.63	25.75	40.40	24.06	39.19	23.82	37.17	23.58	36.36	23.34	
	-14.7	-15	49.54	27.06	49.09	26.81	45.45	25.06	44.09	24.81	41.81	24.56	40.91	24.31	
	-12.6	-13	55.05	27.30	54.54	27.05	50.50	25.28	48.99	25.03	46.46	24.78	45.45	24.52	
	-10.5	-11	59.45	27.54	58.90	27.29	54.54	25.50	52.90	25.25	50.18	24.99	49.09	24.74	
	-9.5	-10	62.75	28.02	62.18	27.76	57.57	25.95	55.84	25.69	52.96	25.43	51.81	25.17	
	-8.5	-9.1	66.05	28.74	65.45	28.47	60.60	26.61	58.78	26.35	55.75	26.08	54.54	25.81	
	-7	-7.6	77.06	29.46	76.36	29.19	70.70	27.28	68.58	27.00	65.04	26.73	63.63	26.46	
	-5	-5.6	82.57	30.66	81.81	30.37	75.75	28.39	73.48	28.10	69.69	27.82	68.18	27.53	
	-3	-3.7	88.07	32.33	87.26	32.03	80.80	29.94	78.38	29.64	74.34	29.34	72.72	29.04	
	0	-0.7	96.88	31.61	95.99	31.32	88.88	29.27	86.21	28.98	81.77	28.69	79.99	28.39	
	3	2.2	104.59	28.74	103.63	28.47	95.95	26.61	93.07	26.35	88.27	26.08	86.36	25.81	
	5	4.1	106.79	27.54	105.81	27.29	97.97	25.50	95.03	25.25	90.13	24.99	88.17	24.74	
	7	6	110.09	23.95	109.08	23.73	101.00	22.18	97.97	21.95	92.92	21.73	90.90	21.51	
	9	7.9	112.29	23.71	111.26	23.49	103.02	21.95	99.93	21.73	94.78	21.52	92.72	21.30	
	11	9.8	112.29	23.47	111.26	23.25	103.02	21.73	99.93	21.52	94.78	21.30	92.72	21.08	
	13	11.8	112.29	23.35	111.26	23.14	103.02	21.62	99.93	21.41	94.78	21.19	92.72	20.97	
	15	13.7	112.29	23.23	111.26	23.02	103.02	21.51	99.93	21.30	94.78	21.08	92.72	20.87	
19	14.2	113.32	23.11	111.26	22.90	103.02	21.40	99.93	21.19	94.78	20.97	92.72	20.76		
21	15	113.32	22.99	111.26	22.78	103.02	21.29	99.93	21.08	94.78	20.86	92.72	20.65		
100%	-22.90	-23.00	40.33	25.89	39.96	25.65	37.00	23.97	35.89	23.73	34.04	23.49	33.30	23.25	
	-18.80	-19.00	43.60	26.25	43.20	26.01	40.00	24.30	38.80	24.06	36.80	23.82	36.00	23.57	
	-14.7	-15	49.05	27.34	48.60	27.08	45.00	25.31	43.65	25.06	41.40	24.81	40.50	24.55	
	-12.6	-13	54.50	27.58	54.00	27.32	50.00	25.54	48.50	25.28	46.00	25.03	45.00	24.77	
	-10.5	-11	58.86	27.82	58.32	27.56	54.00	25.76	52.38	25.50	49.68	25.24	48.60	24.99	
	-9.5	-10	62.13	28.30	61.56	28.04	57.00	26.21	55.29	25.95	52.44	25.68	51.30	25.42	
	-8.5	-9.1	65.40	29.03	64.80	28.76	60.00	26.88	58.20	26.61	55.20	26.34	54.00	26.07	
	-7	-7.6	76.30	29.76	75.60	29.48	70.00	27.55	67.90	27.28	64.40	27.00	63.00	26.73	
	-5	-5.6	81.75	30.97	81.00	30.68	75.00	28.67	72.75	28.39	69.00	28.10	67.50	27.81	
	-3	-3.7	87.20	32.66	86.40	32.36	80.00	30.24	77.60	29.94	73.60	29.64	72.00	29.33	
	0	-0.7	95.92	31.93	95.04	31.64	88.00	29.57	85.36	29.27	80.96	28.98	79.20	28.68	
	3	2.2	103.55	29.03	102.60	28.76	95.00	26.88	92.15	26.61	87.40	26.34	85.50	26.07	
	5	4.1	105.73	27.82	104.76	27.56	97.00	25.76	94.09	25.50	89.24	25.24	87.30	24.99	
	7	6	109.00	24.19	108.00	23.97	100.00	22.40	97.00	22.18	92.00	21.95	90.00	21.73	
	9	7.9	111.18	23.95	110.16	23.73	102.00	22.18	98.94	21.95	93.84	21.73	91.80	21.51	
	11	9.8	111.18	23.71	110.16	23.49	102.00	21.95	98.94	21.73	93.84	21.51	91.80	21.29	
	13	11.8	111.18	23.59	110.16	23.37	102.00	21.84	98.94	21.62	93.84	21.40	91.80	21.18	
	15	13.7	111.18	23.47	110.16	23.25	102.00	21.73	98.94	21.51	93.84	21.29	91.80	21.08	
19	14.2	112.20	23.35	110.16	23.13	102.00	21.62	98.94	21.40	93.84	21.18	91.80	20.97		
21	15	112.20	23.22	110.16	23.01	102.00	21.50	98.94	21.29	93.84	21.07	91.80	20.86		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT032S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	37.10	23.56	36.76	23.34	34.04	21.81	33.02	21.59	31.32	21.37	30.64	21.16	
	-18.80	-19.00	40.11	23.89	39.74	23.66	36.80	22.12	35.70	21.90	33.86	21.67	33.12	21.45	
	-14.7	-15	45.13	24.88	44.71	24.65	41.40	23.03	40.16	22.80	38.09	22.57	37.26	22.34	
	-12.6	-13	50.14	25.10	49.68	24.86	46.00	23.24	44.62	23.01	42.32	22.77	41.40	22.54	
	-10.5	-11	54.15	25.32	53.65	25.08	49.68	23.44	48.19	23.21	45.71	22.97	44.71	22.74	
	-9.5	-10	57.16	25.76	56.64	25.52	52.44	23.85	50.87	23.61	48.24	23.37	47.20	23.13	
	-8.5	-9.1	60.17	26.42	59.62	26.17	55.20	24.46	53.54	24.22	50.78	23.97	49.68	23.73	
	-7	-7.6	70.20	27.08	69.55	26.83	64.40	25.07	62.47	24.82	59.25	24.57	57.96	24.32	
	-5	-5.6	75.21	28.18	74.52	27.92	69.00	26.09	66.93	25.83	63.48	25.57	62.10	25.31	
	-3	-3.7	80.22	29.72	79.49	29.44	73.60	27.52	71.39	27.24	67.71	26.97	66.24	26.69	
	0	-0.7	88.25	29.06	87.44	28.79	80.96	26.91	78.53	26.64	74.48	26.37	72.86	26.10	
	3	2.2	95.27	26.42	94.39	26.17	87.40	24.46	84.78	24.22	80.41	23.97	78.66	23.73	
	5	4.1	97.27	25.32	96.38	25.08	89.24	23.44	86.56	23.21	82.10	22.97	80.32	22.74	
	7	6	100.28	22.01	99.36	21.81	92.00	20.38	89.24	20.18	84.64	19.98	82.80	19.77	
	9	7.9	102.29	21.79	101.35	21.59	93.84	20.18	91.02	19.98	86.33	19.78	84.46	19.57	
	11	9.8	102.29	21.57	101.35	21.37	93.84	19.98	91.02	19.78	86.33	19.58	84.46	19.38	
	13	11.8	102.29	21.46	101.35	21.27	93.84	19.87	91.02	19.68	86.33	19.48	84.46	19.28	
15	13.7	102.29	21.35	101.35	21.16	93.84	19.77	91.02	19.57	86.33	19.38	84.46	19.18		
19	14.2	103.22	21.24	101.35	21.05	93.84	19.67	91.02	19.47	86.33	19.28	84.46	19.08		
21	15	103.22	21.13	101.35	20.94	93.84	19.57	91.02	19.37	86.33	19.18	84.46	18.98		
80%	-22.90	-23.00	32.67	19.08	32.37	18.90	29.97	17.67	29.07	17.49	27.57	17.31	26.97	17.14	
	-18.80	-19.00	35.32	19.35	34.99	19.17	32.40	17.91	31.43	17.74	29.81	17.56	29.16	17.38	
	-14.7	-15	39.73	20.15	39.37	19.96	36.45	18.66	35.36	18.47	33.53	18.28	32.81	18.10	
	-12.6	-13	44.15	20.33	43.74	20.14	40.50	18.82	39.29	18.63	37.26	18.45	36.45	18.26	
	-10.5	-11	47.68	20.51	47.24	20.32	43.74	18.99	42.43	18.80	40.24	18.61	39.37	18.42	
	-9.5	-10	50.33	20.86	49.86	20.67	46.17	19.32	44.78	19.12	42.48	18.93	41.55	18.74	
	-8.5	-9.1	52.97	21.40	52.49	21.20	48.60	19.81	47.14	19.62	44.71	19.42	43.74	19.22	
	-7	-7.6	61.80	21.93	61.24	21.73	56.70	20.31	55.00	20.11	52.16	19.90	51.03	19.70	
	-5	-5.6	66.22	22.82	65.61	22.61	60.75	21.13	58.93	20.92	55.89	20.71	54.68	20.50	
	-3	-3.7	70.63	24.07	69.98	23.85	64.80	22.29	62.86	22.07	59.62	21.84	58.32	21.62	
	0	-0.7	77.70	23.54	76.98	23.32	71.28	21.79	69.14	21.58	65.58	21.36	64.15	21.14	
	3	2.2	83.88	21.40	83.11	21.20	76.95	19.81	74.64	19.62	70.79	19.42	69.26	19.22	
	5	4.1	85.64	20.51	84.86	20.32	78.57	18.99	76.21	18.80	72.28	18.61	70.71	18.42	
	7	6	88.29	17.83	87.48	17.67	81.00	16.51	78.57	16.35	74.52	16.18	72.90	16.02	
	9	7.9	90.06	17.65	89.23	17.49	82.62	16.35	80.14	16.18	76.01	16.02	74.36	15.86	
	11	9.8	90.06	17.48	89.23	17.31	82.62	16.18	80.14	16.02	76.01	15.86	74.36	15.70	
	13	11.8	90.06	17.39	89.23	17.23	82.62	16.10	80.14	15.94	76.01	15.78	74.36	15.62	
15	13.7	90.06	17.30	89.23	17.14	82.62	16.02	80.14	15.86	76.01	15.70	74.36	15.54		
19	14.2	90.88	17.21	89.23	17.05	82.62	15.93	80.14	15.77	76.01	15.61	74.36	15.46		
21	15	90.88	17.12	89.23	16.96	82.62	15.85	80.14	15.69	76.01	15.53	74.36	15.38		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT032S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	28.23	18.12	27.97	17.95	25.90	16.78	25.12	16.61	23.83	16.44	23.31	16.27	
	-18.80	-19.00	30.52	18.37	30.24	18.20	28.00	17.01	27.16	16.84	25.76	16.67	25.20	16.50	
	-14.7	-15	34.34	19.14	34.02	18.96	31.50	17.72	30.56	17.54	28.98	17.36	28.35	17.19	
	-12.6	-13	38.15	19.31	37.80	19.13	35.00	17.88	33.95	17.70	32.20	17.52	31.50	17.34	
	-10.5	-11	41.20	19.47	40.82	19.29	37.80	18.03	36.67	17.85	34.78	17.67	34.02	17.49	
	-9.5	-10	43.49	19.81	43.09	19.63	39.90	18.35	38.70	18.16	36.71	17.98	35.91	17.80	
	-8.5	-9.1	45.78	20.32	45.36	20.13	42.00	18.82	40.74	18.63	38.64	18.44	37.80	18.25	
	-7	-7.6	53.41	20.83	52.92	20.64	49.00	19.29	47.53	19.09	45.08	18.90	44.10	18.71	
	-5	-5.6	57.23	21.68	56.70	21.48	52.50	20.07	50.93	19.87	48.30	19.67	47.25	19.47	
	-3	-3.7	61.04	22.86	60.48	22.65	56.00	21.17	54.32	20.96	51.52	20.74	50.40	20.53	
	0	-0.7	67.14	22.35	66.53	22.15	61.60	20.70	59.75	20.49	56.67	20.28	55.44	20.08	
	3	2.2	72.49	20.32	71.82	20.13	66.50	18.82	64.51	18.63	61.18	18.44	59.85	18.25	
	5	4.1	74.01	19.47	73.33	19.29	67.90	18.03	65.86	17.85	62.47	17.67	61.11	17.49	
	7	6	76.30	16.93	75.60	16.78	70.00	15.68	67.90	15.52	64.40	15.37	63.00	15.21	
	9	7.9	77.83	16.77	77.11	16.61	71.40	15.52	69.26	15.37	65.69	15.21	64.26	15.06	
	11	9.8	77.83	16.60	77.11	16.44	71.40	15.37	69.26	15.21	65.69	15.06	64.26	14.91	
	13	11.8	77.83	16.51	77.11	16.36	71.40	15.29	69.26	15.14	65.69	14.98	64.26	14.83	
	15	13.7	77.83	16.43	77.11	16.27	71.40	15.21	69.26	15.06	65.69	14.91	64.26	14.75	
19	14.2	78.54	16.34	77.11	16.19	71.40	15.13	69.26	14.98	65.69	14.83	64.26	14.68		
21	15	78.54	16.26	77.11	16.11	71.40	15.05	69.26	14.90	65.69	14.75	64.26	14.60		
60%	-22.90	-23.00	25.41	16.05	25.17	15.90	23.31	14.86	22.61	14.71	21.45	14.56	20.98	14.41	
	-18.80	-19.00	27.47	16.27	27.22	16.12	25.20	15.07	24.44	14.92	23.18	14.77	22.68	14.62	
	-14.7	-15	30.90	16.95	30.62	16.79	28.35	15.69	27.50	15.54	26.08	15.38	25.52	15.22	
	-12.6	-13	34.34	17.10	34.02	16.94	31.50	15.83	30.56	15.67	28.98	15.52	28.35	15.36	
	-10.5	-11	37.08	17.25	36.74	17.09	34.02	15.97	33.00	15.81	31.30	15.65	30.62	15.49	
	-9.5	-10	39.14	17.55	38.78	17.39	35.91	16.25	34.83	16.09	33.04	15.92	32.32	15.76	
	-8.5	-9.1	41.20	18.00	40.82	17.83	37.80	16.67	36.67	16.50	34.78	16.33	34.02	16.17	
	-7	-7.6	48.07	18.45	47.63	18.28	44.10	17.08	42.78	16.91	40.57	16.74	39.69	16.57	
	-5	-5.6	51.50	19.20	51.03	19.02	47.25	17.78	45.83	17.60	43.47	17.42	42.53	17.24	
	-3	-3.7	54.94	20.25	54.43	20.06	50.40	18.75	48.89	18.56	46.37	18.37	45.36	18.19	
	0	-0.7	60.43	19.80	59.88	19.62	55.44	18.33	53.78	18.15	51.00	17.97	49.90	17.78	
	3	2.2	65.24	18.00	64.64	17.83	59.85	16.67	58.05	16.50	55.06	16.33	53.87	16.17	
	5	4.1	66.61	17.25	66.00	17.09	61.11	15.97	59.28	15.81	56.22	15.65	55.00	15.49	
	7	6	68.67	15.00	68.04	14.86	63.00	13.89	61.11	13.75	57.96	13.61	56.70	13.47	
	9	7.9	70.04	14.85	69.40	14.71	64.26	13.75	62.33	13.61	59.12	13.47	57.83	13.34	
	11	9.8	70.04	14.70	69.40	14.56	64.26	13.61	62.33	13.47	59.12	13.34	57.83	13.20	
	13	11.8	70.04	14.62	69.40	14.49	64.26	13.54	62.33	13.41	59.12	13.27	57.83	13.13	
	15	13.7	70.04	14.55	69.40	14.41	64.26	13.47	62.33	13.34	59.12	13.20	57.83	13.07	
19	14.2	70.69	14.47	69.40	14.34	64.26	13.40	62.33	13.27	59.12	13.13	57.83	13.00		
21	15	70.69	14.40	69.40	14.27	64.26	13.33	62.33	13.20	59.12	13.07	57.83	12.93		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT032S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	21.78	16.83	21.58	16.67	19.98	15.58	19.38	15.42	18.38	15.27	17.98	15.11	
	-18.80	-19.00	23.54	17.06	23.33	16.90	21.60	15.80	20.95	15.64	19.87	15.48	19.44	15.32	
	-14.7	-15	26.49	17.77	26.24	17.60	24.30	16.45	23.57	16.29	22.36	16.12	21.87	15.96	
	-12.6	-13	29.43	17.93	29.16	17.76	27.00	16.60	26.19	16.43	24.84	16.27	24.30	16.10	
	-10.5	-11	31.78	18.08	31.49	17.92	29.16	16.74	28.29	16.58	26.83	16.41	26.24	16.24	
	-9.5	-10	33.55	18.40	33.24	18.23	30.78	17.04	29.86	16.86	28.32	16.69	27.70	16.52	
	-8.5	-9.1	35.32	18.87	34.99	18.70	32.40	17.47	31.43	17.30	29.81	17.12	29.16	16.95	
	-7	-7.6	41.20	19.34	40.82	19.16	37.80	17.91	36.67	17.73	34.78	17.55	34.02	17.37	
	-5	-5.6	44.15	20.13	43.74	19.94	40.50	18.64	39.29	18.45	37.26	18.26	36.45	18.08	
	-3	-3.7	47.09	21.23	46.66	21.03	43.20	19.66	41.90	19.46	39.74	19.26	38.88	19.07	
	0	-0.7	51.80	20.76	51.32	20.56	47.52	19.22	46.09	19.03	43.72	18.83	42.77	18.64	
	3	2.2	55.92	18.87	55.40	18.70	51.30	17.47	49.76	17.30	47.20	17.12	46.17	16.95	
	5	4.1	57.09	18.08	56.57	17.92	52.38	16.74	50.81	16.58	48.19	16.41	47.14	16.24	
	7	6	58.86	15.72	58.32	15.58	54.00	14.56	52.38	14.41	49.68	14.27	48.60	14.12	
	9	7.9	60.04	15.57	59.49	15.42	55.08	14.41	53.43	14.27	50.67	14.13	49.57	13.98	
	11	9.8	60.04	15.41	59.49	15.27	55.08	14.27	53.43	14.13	50.67	13.98	49.57	13.84	
	13	11.8	60.04	15.33	59.49	15.19	55.08	14.20	53.43	14.05	50.67	13.91	49.57	13.77	
15	13.7	60.04	15.25	59.49	15.11	55.08	14.12	53.43	13.98	50.67	13.84	49.57	13.70		
19	14.2	60.59	15.17	59.49	15.03	55.08	14.05	53.43	13.91	50.67	13.77	49.57	13.63		
21	15	60.59	15.10	59.49	14.96	55.08	13.98	53.43	13.84	50.67	13.70	49.57	13.56		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT034S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	44.46	27.35	44.05	27.10	40.79	25.32	39.57	25.07	37.53	24.82	36.71	24.57	
	-18.80	-19.00	48.06	27.73	47.62	27.48	44.10	25.68	42.77	25.42	40.57	25.17	39.69	24.91	
	-14.7	-15	54.07	28.88	53.58	28.62	49.61	26.74	48.12	26.48	45.64	26.21	44.65	25.94	
	-12.6	-13	60.08	29.14	59.53	28.87	55.12	26.98	53.47	26.71	50.71	26.44	49.61	26.17	
	-10.5	-11	64.89	29.40	64.29	29.12	59.53	27.22	57.74	26.95	54.77	26.67	53.58	26.40	
	-9.5	-10	68.49	29.91	67.86	29.63	62.84	27.69	60.95	27.41	57.81	27.14	56.55	26.86	
	-8.5	-9.1	72.10	30.67	71.44	30.39	66.14	28.40	64.16	28.12	60.85	27.83	59.53	27.55	
	-7	-7.6	84.11	31.44	83.34	31.15	77.17	29.11	74.85	28.82	70.99	28.53	69.45	28.24	
	-5	-5.6	90.12	32.72	89.29	32.42	82.68	30.30	80.20	29.99	76.07	29.69	74.41	29.39	
	-3	-3.7	96.13	34.51	95.25	34.19	88.19	31.95	85.55	31.63	81.14	31.31	79.37	30.99	
	0	-0.7	105.74	33.74	104.77	33.43	97.01	31.24	94.10	30.93	89.25	30.62	87.31	30.30	
	3	2.2	114.15	30.67	113.11	30.39	104.73	28.40	101.59	28.12	96.35	27.83	94.26	27.55	
	5	4.1	116.56	29.40	115.49	29.12	106.93	27.22	103.72	26.95	98.38	26.67	96.24	26.40	
	7	6	120.16	25.56	119.06	25.32	110.24	23.67	106.93	23.43	101.42	23.19	99.22	22.96	
	9	7.9	122.56	25.31	121.44	25.07	112.44	23.43	109.07	23.20	103.45	22.96	101.20	22.73	
	11	9.8	122.56	25.05	121.44	24.82	112.44	23.19	109.07	22.96	103.45	22.73	101.20	22.50	
	13	11.8	122.56	24.92	121.44	24.69	112.44	23.08	109.07	22.85	103.45	22.61	101.20	22.38	
	15	13.7	122.56	24.79	121.44	24.57	112.44	22.96	109.07	22.73	103.45	22.50	101.20	22.27	
19	14.2	123.69	24.67	121.44	24.44	112.44	22.84	109.07	22.61	103.45	22.38	101.20	22.15		
21	15	123.69	24.54	121.44	24.31	112.44	22.72	109.07	22.49	103.45	22.27	101.20	22.04		
120%	-22.90	-23.00	44.03	27.63	43.63	27.38	40.40	25.59	39.18	25.33	37.16	25.07	36.36	24.82	
	-18.80	-19.00	47.60	28.02	47.17	27.76	43.67	25.94	42.36	25.69	40.18	25.43	39.30	25.17	
	-14.7	-15	53.55	29.18	53.06	28.91	49.13	27.02	47.66	26.75	45.20	26.48	44.22	26.21	
	-12.6	-13	59.50	29.44	58.96	29.17	54.59	27.26	52.95	26.99	50.22	26.71	49.13	26.44	
	-10.5	-11	64.26	29.70	63.67	29.42	58.96	27.50	57.19	27.22	54.24	26.95	53.06	26.67	
	-9.5	-10	67.83	30.22	67.21	29.94	62.23	27.98	60.37	27.70	57.25	27.42	56.01	27.14	
	-8.5	-9.1	71.40	30.99	70.75	30.70	65.51	28.69	63.54	28.41	60.27	28.12	58.96	27.83	
	-7	-7.6	83.30	31.76	82.54	31.47	76.43	29.41	74.13	29.12	70.31	28.82	68.78	28.53	
	-5	-5.6	89.25	33.06	88.44	32.75	81.89	30.61	79.43	30.30	75.33	30.00	73.70	29.69	
	-3	-3.7	95.20	34.86	94.33	34.54	87.34	32.28	84.72	31.96	80.36	31.64	78.61	31.31	
	0	-0.7	104.73	34.09	103.76	33.77	96.08	31.56	93.20	31.25	88.39	30.93	86.47	30.62	
	3	2.2	113.06	30.99	112.02	30.70	103.72	28.69	100.61	28.41	95.42	28.12	93.35	27.83	
	5	4.1	115.44	29.70	114.38	29.42	105.90	27.50	102.73	27.22	97.43	26.95	95.31	26.67	
	7	6	119.01	25.82	117.91	25.59	109.18	23.91	105.90	23.67	100.45	23.43	98.26	23.19	
	9	7.9	121.39	25.57	120.27	25.33	111.36	23.67	108.02	23.44	102.45	23.20	100.23	22.96	
	11	9.8	121.39	25.31	120.27	25.07	111.36	23.43	108.02	23.20	102.45	22.97	100.23	22.73	
	13	11.8	121.39	25.18	120.27	24.95	111.36	23.31	108.02	23.08	102.45	22.85	100.23	22.61	
	15	13.7	121.39	25.05	120.27	24.82	111.36	23.19	108.02	22.96	102.45	22.73	100.23	22.50	
19	14.2	122.50	24.92	120.27	24.69	111.36	23.08	108.02	22.84	102.45	22.61	100.23	22.38		
21	15	122.50	24.79	120.27	24.56	111.36	22.96	108.02	22.73	102.45	22.50	100.23	22.27		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT034S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-22.90	-23.00	43.18	27.91	42.78	27.66	39.61	25.85	38.42	25.59	36.44	25.33	35.65	25.07	
	-18.80	-19.00	46.68	28.31	46.25	28.04	42.82	26.21	41.54	25.95	39.40	25.69	38.54	25.42	
	-14.7	-15	52.51	29.48	52.03	29.21	48.18	27.30	46.73	27.02	44.32	26.75	43.36	26.48	
	-12.6	-13	58.35	29.74	57.81	29.47	53.53	27.54	51.92	27.26	49.25	26.99	48.18	26.71	
	-10.5	-11	63.02	30.00	62.44	29.72	57.81	27.78	56.08	27.50	53.19	27.22	52.03	26.95	
	-9.5	-10	66.52	30.52	65.91	30.24	61.02	28.26	59.19	27.98	56.14	27.70	54.92	27.41	
	-8.5	-9.1	70.02	31.31	69.37	31.02	64.24	28.99	62.31	28.70	59.10	28.41	57.81	28.12	
	-7	-7.6	81.69	32.09	80.94	31.79	74.94	29.71	72.69	29.41	68.95	29.12	67.45	28.82	
	-5	-5.6	87.52	33.39	86.72	33.08	80.30	30.92	77.89	30.61	73.87	30.30	72.27	29.99	
	-3	-3.7	93.36	35.22	92.50	34.89	85.65	32.61	83.08	32.28	78.80	31.96	77.08	31.63	
	0	-0.7	102.69	34.44	101.75	34.12	94.21	31.89	91.39	31.57	86.68	31.25	84.79	30.93	
	3	2.2	110.86	31.31	109.84	31.02	101.71	28.99	98.66	28.70	93.57	28.41	91.54	28.12	
	5	4.1	113.19	30.00	112.16	29.72	103.85	27.78	100.73	27.50	95.54	27.22	93.46	26.95	
	7	6	116.70	26.09	115.62	25.85	107.06	24.16	103.85	23.91	98.50	23.67	96.35	23.43	
	9	7.9	119.03	25.83	117.94	25.59	109.20	23.91	105.93	23.68	100.47	23.44	98.28	23.20	
	11	9.8	119.03	25.57	117.94	25.33	109.20	23.67	105.93	23.44	100.47	23.20	98.28	22.96	
	13	11.8	119.03	25.44	117.94	25.20	109.20	23.55	105.93	23.32	100.47	23.08	98.28	22.85	
	15	13.7	119.03	25.31	117.94	25.07	109.20	23.43	105.93	23.20	100.47	22.96	98.28	22.73	
19	14.2	120.12	25.18	117.94	24.94	109.20	23.31	105.93	23.08	100.47	22.84	98.28	22.61		
21	15	120.12	25.04	117.94	24.81	109.20	23.19	105.93	22.96	100.47	22.73	98.28	22.49		
100%	-22.90	-23.00	42.75	28.20	42.36	27.94	39.22	26.11	38.04	25.85	36.08	25.59	35.30	25.32	
	-18.80	-19.00	46.22	28.59	45.79	28.33	42.40	26.47	41.13	26.21	39.01	25.94	38.16	25.68	
	-14.7	-15	51.99	29.78	51.52	29.50	47.70	27.57	46.27	27.30	43.88	27.02	42.93	26.74	
	-12.6	-13	57.77	30.04	57.24	29.76	53.00	27.82	51.41	27.54	48.76	27.26	47.70	26.98	
	-10.5	-11	62.39	30.30	61.82	30.02	57.24	28.06	55.52	27.78	52.66	27.50	51.52	27.22	
	-9.5	-10	65.86	30.83	65.25	30.55	60.42	28.55	58.61	28.26	55.59	27.98	54.38	27.69	
	-8.5	-9.1	69.32	31.62	68.69	31.33	63.60	29.28	61.69	28.99	58.51	28.69	57.24	28.40	
	-7	-7.6	80.88	32.41	80.14	32.11	74.20	30.01	71.97	29.71	68.26	29.41	66.78	29.11	
	-5	-5.6	86.66	33.73	85.86	33.42	79.50	31.23	77.12	30.92	73.14	30.61	71.55	30.30	
	-3	-3.7	92.43	35.58	91.58	35.25	84.80	32.94	82.26	32.61	78.02	32.28	76.32	31.95	
	0	-0.7	101.68	34.78	100.74	34.46	93.28	32.21	90.48	31.89	85.82	31.56	83.95	31.24	
	3	2.2	109.76	31.62	108.76	31.33	100.70	29.28	97.68	28.99	92.64	28.69	90.63	28.40	
	5	4.1	112.07	30.30	111.05	30.02	102.82	28.06	99.74	27.78	94.59	27.50	92.54	27.22	
	7	6	115.54	26.35	114.48	26.11	106.00	24.60	102.82	24.16	97.52	23.91	95.40	23.67	
	9	7.9	117.85	26.09	116.77	25.85	108.12	24.16	104.88	23.91	99.47	23.67	97.31	23.43	
	11	9.8	117.85	25.82	116.77	25.59	108.12	23.91	104.88	23.67	99.47	23.43	97.31	23.19	
	13	11.8	117.85	25.69	116.77	25.46	108.12	23.79	104.88	23.55	99.47	23.31	97.31	23.08	
	15	13.7	117.85	25.56	116.77	25.32	108.12	23.67	104.88	23.43	99.47	23.19	97.31	22.96	
19	14.2	118.93	25.43	116.77	25.19	108.12	23.55	104.88	23.31	99.47	23.08	97.31	22.84		
21	15	118.93	25.30	116.77	25.06	108.12	23.42	104.88	23.19	99.47	22.96	97.31	22.72		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT034S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-22.90	-23.00	39.33	25.66	38.97	25.42	36.08	23.76	35.00	23.52	33.20	23.28	32.47	23.05	
	-18.80	-19.00	42.52	26.02	42.13	25.78	39.01	24.09	37.84	23.85	35.89	23.61	35.11	23.37	
	-14.7	-15	47.83	27.10	47.39	26.85	43.88	25.09	42.57	24.84	40.37	24.59	39.50	24.34	
	-12.6	-13	53.15	27.34	52.66	27.08	48.76	25.31	47.30	25.06	44.86	24.81	43.88	24.55	
	-10.5	-11	57.40	27.58	56.87	27.32	52.66	25.53	51.08	25.28	48.45	25.02	47.39	24.77	
	-9.5	-10	60.59	28.06	60.03	27.80	55.59	25.98	53.92	25.72	51.14	25.46	50.03	25.20	
	-8.5	-9.1	63.78	28.78	63.19	28.51	58.51	26.64	56.76	26.38	53.83	26.11	52.66	25.85	
	-7	-7.6	74.41	29.50	73.73	29.22	68.26	27.31	66.22	27.04	62.80	26.76	61.44	26.49	
	-5	-5.6	79.72	30.69	78.99	30.41	73.14	28.42	70.95	28.14	67.29	27.85	65.83	27.57	
	-3	-3.7	85.04	32.37	84.26	32.07	78.02	29.98	75.68	29.68	71.77	29.38	70.21	29.08	
	0	-0.7	93.54	31.65	92.68	31.36	85.82	29.31	83.24	29.02	78.95	28.72	77.24	28.43	
	3	2.2	100.98	28.78	100.06	28.51	92.64	26.64	89.86	26.38	85.23	26.11	83.38	25.85	
	5	4.1	103.11	27.58	102.16	27.32	94.59	25.53	91.76	25.28	87.03	25.02	85.13	24.77	
	7	6	106.30	23.98	105.32	23.76	97.52	22.20	94.59	21.98	89.72	21.76	87.77	21.54	
	9	7.9	108.42	23.74	107.43	23.52	99.47	21.98	96.49	21.76	91.51	21.54	89.52	21.32	
	11	9.8	108.42	23.50	107.43	23.28	99.47	21.76	96.49	21.54	91.51	21.32	89.52	21.11	
	13	11.8	108.42	23.38	107.43	23.16	99.47	21.65	96.49	21.43	91.51	21.22	89.52	21.00	
	15	13.7	108.42	23.26	107.43	23.05	99.47	21.54	96.49	21.32	91.51	21.11	89.52	20.89	
19	14.2	109.42	23.14	107.43	22.93	99.47	21.43	96.49	21.21	91.51	21.00	89.52	20.78		
21	15	109.42	23.02	107.43	22.81	99.47	21.32	96.49	21.10	91.51	20.89	89.52	20.68		
80%	-22.90	-23.00	34.63	20.78	34.31	20.59	31.77	19.24	30.82	19.05	29.23	18.86	28.59	18.67	
	-18.80	-19.00	37.43	21.08	37.09	20.88	34.34	19.51	33.31	19.32	31.60	19.12	30.91	18.93	
	-14.7	-15	42.11	21.95	41.73	21.75	38.64	20.32	37.48	20.12	35.55	19.92	34.77	19.71	
	-12.6	-13	46.79	22.14	46.36	21.94	42.93	20.50	41.64	20.30	39.50	20.09	38.64	19.89	
	-10.5	-11	50.54	22.34	50.07	22.13	46.36	20.68	44.97	20.48	42.66	20.27	41.73	20.06	
	-9.5	-10	53.34	22.73	52.86	22.52	48.94	21.04	47.47	20.83	45.02	20.62	44.05	20.41	
	-8.5	-9.1	56.15	23.31	55.64	23.09	51.52	21.58	49.97	21.37	47.39	21.15	46.36	20.93	
	-7	-7.6	65.51	23.89	64.91	23.67	60.10	22.12	58.30	21.90	55.29	21.68	54.09	21.46	
	-5	-5.6	70.19	24.86	69.55	24.63	64.40	23.02	62.46	22.79	59.24	22.56	57.96	22.33	
	-3	-3.7	74.87	26.22	74.18	25.98	68.69	24.28	66.63	24.04	63.19	23.79	61.82	23.55	
	0	-0.7	82.36	25.64	81.60	25.40	75.56	23.74	73.29	23.50	69.51	23.27	68.00	23.03	
	3	2.2	88.91	23.31	88.09	23.09	81.57	21.58	79.12	21.37	75.04	21.15	73.41	20.93	
	5	4.1	90.78	22.34	89.95	22.13	83.28	20.68	80.79	20.48	76.62	20.27	74.96	20.06	
	7	6	93.59	19.42	92.73	19.24	85.86	17.99	83.28	17.81	78.99	17.63	77.27	17.45	
	9	7.9	95.46	19.23	94.58	19.05	87.58	17.81	84.95	17.63	80.57	17.45	78.82	17.27	
	11	9.8	95.46	19.04	94.58	18.86	87.58	17.63	84.95	17.45	80.57	17.27	78.82	17.10	
	13	11.8	95.46	18.94	94.58	18.76	87.58	17.54	84.95	17.36	80.57	17.18	78.82	17.01	
	15	13.7	95.46	18.84	94.58	18.67	87.58	17.45	84.95	17.27	80.57	17.10	78.82	16.92	
19	14.2	96.33	18.74	94.58	18.57	87.58	17.36	84.95	17.18	80.57	17.01	78.82	16.84		
21	15	96.33	18.65	94.58	18.47	87.58	17.27	84.95	17.09	80.57	16.92	78.82	16.75		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT034S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-22.90	-23.00	29.92	19.74	29.65	19.55	27.45	18.28	26.63	18.09	25.26	17.91	24.71	17.73	
	-18.80	-19.00	32.35	20.01	32.05	19.83	29.68	18.53	28.79	18.35	27.31	18.16	26.71	17.98	
	-14.7	-15	36.40	20.84	36.06	20.65	33.39	19.30	32.39	19.11	30.72	18.91	30.05	18.72	
	-12.6	-13	40.44	21.03	40.07	20.83	37.10	19.47	35.99	19.28	34.13	19.08	33.39	18.89	
	-10.5	-11	43.67	21.21	43.27	21.02	40.07	19.64	38.87	19.45	36.86	19.25	36.06	19.05	
	-9.5	-10	46.10	21.58	45.68	21.38	42.29	19.98	41.03	19.78	38.91	19.58	38.06	19.38	
	-8.5	-9.1	48.53	22.14	48.08	21.93	44.52	20.50	43.18	20.29	40.96	20.09	40.07	19.88	
	-7	-7.6	56.61	22.69	56.10	22.48	51.94	21.01	50.38	20.80	47.78	20.59	46.75	20.38	
	-5	-5.6	60.66	23.61	60.10	23.39	55.65	21.86	53.98	21.64	51.20	21.43	50.09	21.21	
	-3	-3.7	64.70	24.90	64.11	24.67	59.36	23.06	57.58	22.83	54.61	22.60	53.42	22.37	
	0	-0.7	71.17	24.35	70.52	24.12	65.30	22.55	63.34	22.32	60.07	22.09	58.77	21.87	
	3	2.2	76.83	22.14	76.13	21.93	70.49	20.50	68.38	20.29	64.85	20.09	63.44	19.88	
	5	4.1	78.45	21.21	77.73	21.02	71.97	19.64	69.81	19.45	66.22	19.25	64.78	19.05	
	7	6	80.88	18.45	80.14	18.28	74.20	17.08	71.97	16.91	68.26	16.74	66.78	16.57	
	9	7.9	82.50	18.26	81.74	18.09	75.68	16.91	73.41	16.74	69.63	16.57	68.12	16.40	
	11	9.8	82.50	18.08	81.74	17.91	75.68	16.74	73.41	16.57	69.63	16.40	68.12	16.24	
	13	11.8	82.50	17.99	81.74	17.82	75.68	16.65	73.41	16.49	69.63	16.32	68.12	16.15	
	15	13.7	82.50	17.89	81.74	17.73	75.68	16.57	73.41	16.40	69.63	16.24	68.12	16.07	
19	14.2	83.25	17.80	81.74	17.64	75.68	16.48	73.41	16.32	69.63	16.15	68.12	15.99		
21	15	83.25	17.71	81.74	17.54	75.68	16.40	73.41	16.23	69.63	16.07	68.12	15.90		
60%	-22.90	-23.00	26.93	17.48	26.69	17.32	24.71	16.19	23.97	16.03	22.73	15.86	22.24	15.70	
	-18.80	-19.00	29.12	17.73	28.85	17.56	26.71	16.41	25.91	16.25	24.58	16.09	24.04	15.92	
	-14.7	-15	32.76	18.46	32.46	18.29	30.05	17.09	29.15	16.92	27.65	16.75	27.05	16.58	
	-12.6	-13	36.40	18.63	36.06	18.45	33.39	17.25	32.39	17.07	30.72	16.90	30.05	16.73	
	-10.5	-11	39.31	18.79	38.95	18.62	36.06	17.40	34.98	17.22	33.18	17.05	32.46	16.88	
	-9.5	-10	41.49	19.12	41.11	18.94	38.06	17.70	36.92	17.52	35.02	17.35	34.26	17.17	
	-8.5	-9.1	43.67	19.61	43.27	19.42	40.07	18.15	38.87	17.97	36.86	17.79	36.06	17.61	
	-7	-7.6	50.95	20.10	50.49	19.91	46.75	18.61	45.34	18.42	43.01	18.24	42.07	18.05	
	-5	-5.6	54.59	20.91	54.09	20.72	50.09	19.36	48.58	19.17	46.08	18.98	45.08	18.78	
	-3	-3.7	58.23	22.06	57.70	21.85	53.42	20.42	51.82	20.22	49.15	20.01	48.08	19.81	
	0	-0.7	64.06	21.57	63.47	21.37	58.77	19.97	57.00	19.77	54.07	19.57	52.89	19.37	
	3	2.2	69.15	19.61	68.52	19.42	63.44	18.15	61.54	17.97	58.37	17.79	57.10	17.61	
	5	4.1	70.61	18.79	69.96	18.62	64.78	17.40	62.83	17.22	59.59	17.05	58.30	16.88	
	7	6	72.79	16.34	72.12	16.19	66.78	15.13	64.78	14.98	61.44	14.83	60.10	14.67	
	9	7.9	74.25	16.17	73.56	16.03	68.12	14.98	66.07	14.83	62.67	14.68	61.30	14.53	
	11	9.8	74.25	16.01	73.56	15.86	68.12	14.83	66.07	14.68	62.67	14.53	61.30	14.38	
	13	11.8	74.25	15.93	73.56	15.78	68.12	14.75	66.07	14.60	62.67	14.45	61.30	14.31	
	15	13.7	74.25	15.85	73.56	15.70	68.12	14.67	66.07	14.53	62.67	14.38	61.30	14.23	
19	14.2	74.93	15.77	73.56	15.62	68.12	14.60	66.07	14.45	62.67	14.31	61.30	14.16		
21	15	74.93	15.68	73.56	15.54	68.12	14.52	66.07	14.38	62.67	14.23	61.30	14.09		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT034S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	23.08	18.33	22.87	18.16	21.18	16.97	20.54	16.80	19.48	16.63	19.06	16.46	
	-18.80	-19.00	24.96	18.58	24.73	18.41	22.90	17.21	22.21	17.04	21.06	16.86	20.61	16.69	
	-14.7	-15	28.08	19.36	27.82	19.18	25.76	17.92	24.99	17.74	23.70	17.56	23.18	17.38	
	-12.6	-13	31.20	19.53	30.91	19.35	28.62	18.08	27.76	17.90	26.33	17.72	25.76	17.54	
	-10.5	-11	33.69	19.70	33.38	19.52	30.91	18.24	29.98	18.06	28.44	17.87	27.82	17.69	
	-9.5	-10	35.56	20.04	35.24	19.86	32.63	18.56	31.65	18.37	30.02	18.19	29.36	18.00	
	-8.5	-9.1	37.43	20.55	37.09	20.36	34.34	19.03	33.31	18.84	31.60	18.65	30.91	18.46	
	-7	-7.6	43.67	21.07	43.27	20.87	40.07	19.51	38.87	19.31	36.86	19.12	36.06	18.92	
	-5	-5.6	46.79	21.92	46.36	21.72	42.93	20.30	41.64	20.10	39.50	19.89	38.64	19.69	
	-3	-3.7	49.91	23.12	49.46	22.91	45.79	21.41	44.42	21.20	42.13	20.98	41.21	20.77	
	0	-0.7	54.90	22.61	54.40	22.40	50.37	20.94	48.86	20.73	46.34	20.52	45.33	20.31	
	3	2.2	59.27	20.55	58.73	20.36	54.38	19.03	52.75	18.84	50.03	18.65	48.94	18.46	
	5	4.1	60.52	19.70	59.96	19.52	55.52	18.24	53.86	18.06	51.08	17.87	49.97	17.69	
	7	6	62.39	17.13	61.82	16.97	57.24	15.86	55.52	15.70	52.66	15.54	51.52	15.38	
	9	7.9	63.64	16.96	63.06	16.80	58.38	15.70	56.63	15.54	53.71	15.39	52.55	15.23	
	11	9.8	63.64	16.79	63.06	16.63	58.38	15.54	56.63	15.39	53.71	15.23	52.55	15.08	
	13	11.8	63.64	16.70	63.06	16.55	58.38	15.46	56.63	15.31	53.71	15.15	52.55	15.00	
15	13.7	63.64	16.61	63.06	16.46	58.38	15.38	56.63	15.23	53.71	15.08	52.55	14.92		
19	14.2	64.22	16.53	63.06	16.38	58.38	15.30	56.63	15.15	53.71	15.00	52.55	14.85		
21	15	64.22	16.44	63.06	16.29	58.38	15.23	56.63	15.07	53.71	14.92	52.55	14.77		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT036S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	46.98	30.04	46.55	29.76	43.10	27.82	41.80	27.54	39.65	27.26	38.79	26.98	
	-18.80	-19.00	50.79	30.46	50.32	30.18	46.59	28.21	45.19	27.92	42.86	27.64	41.93	27.36	
	-14.7	-15	57.13	31.73	56.61	31.43	52.42	29.38	50.84	29.08	48.22	28.79	47.17	28.49	
	-12.6	-13	63.48	32.01	62.90	31.71	58.24	29.64	56.49	29.34	53.58	29.04	52.42	28.75	
	-10.5	-11	68.56	32.29	67.93	31.99	62.90	29.90	61.01	29.60	57.87	29.30	56.61	29.00	
	-9.5	-10	72.37	32.85	71.71	32.54	66.39	30.42	64.40	30.11	61.08	29.81	59.75	29.50	
	-8.5	-9.1	76.18	33.69	75.48	33.38	69.89	31.20	67.79	30.88	64.30	30.57	62.90	30.26	
	-7	-7.6	88.87	34.53	88.06	34.21	81.54	31.98	79.09	31.66	75.01	31.34	73.38	31.02	
	-5	-5.6	95.22	35.94	94.35	35.60	87.36	33.27	84.74	32.94	80.37	32.61	78.62	32.28	
	-3	-3.7	101.57	37.90	100.64	37.55	93.18	35.09	90.39	34.74	85.73	34.39	83.87	34.04	
	0	-0.7	111.73	37.06	110.70	36.72	102.50	34.31	99.43	33.97	94.30	33.63	92.25	33.29	
	3	2.2	120.62	33.69	119.51	33.38	110.66	31.20	107.34	30.88	101.80	30.57	99.59	30.26	
	5	4.1	123.15	32.29	122.02	31.99	112.99	29.90	109.60	29.60	103.95	29.30	101.69	29.00	
	7	6	126.96	28.08	125.80	27.82	116.48	26.00	112.99	25.74	107.16	25.48	104.83	25.22	
	9	7.9	129.50	27.79	128.31	27.54	118.81	25.74	115.25	25.48	109.30	25.22	106.93	24.96	
	11	9.8	129.50	27.51	128.31	27.26	118.81	25.48	115.25	25.22	109.30	24.97	106.93	24.71	
	13	11.8	129.50	27.37	128.31	27.12	118.81	25.35	115.25	25.09	109.30	24.84	106.93	24.59	
	15	13.7	129.50	27.23	128.31	26.98	118.81	25.22	115.25	24.96	109.30	24.71	106.93	24.46	
19	14.2	130.69	27.09	128.31	26.84	118.81	25.09	115.25	24.84	109.30	24.58	106.93	24.33		
21	15	130.69	26.95	128.31	26.70	118.81	24.96	115.25	24.71	109.30	24.46	106.93	24.21		
120%	-22.90	-23.00	46.52	30.35	46.10	30.07	42.68	28.10	41.40	27.82	39.27	27.54	38.41	27.26	
	-18.80	-19.00	50.30	30.78	49.84	30.49	46.14	28.50	44.76	28.21	42.45	27.93	41.53	27.64	
	-14.7	-15	56.58	32.05	56.06	31.76	51.91	29.68	50.35	29.38	47.76	29.08	46.72	28.79	
	-12.6	-13	62.87	32.34	62.29	32.04	57.68	29.94	55.95	29.64	53.07	29.34	51.91	29.04	
	-10.5	-11	67.90	32.62	67.28	32.32	62.29	30.20	60.43	29.90	57.31	29.60	56.06	29.30	
	-9.5	-10	71.67	33.19	71.02	32.88	65.76	30.73	63.78	30.42	60.49	30.11	59.18	29.81	
	-8.5	-9.1	75.45	34.04	74.75	33.72	69.22	31.52	67.14	31.20	63.68	30.89	62.29	30.57	
	-7	-7.6	88.02	34.89	87.21	34.57	80.75	32.30	78.33	31.98	74.29	31.66	72.68	31.34	
	-5	-5.6	94.31	36.31	93.44	35.97	86.52	33.62	83.92	33.28	79.60	32.95	77.87	32.61	
	-3	-3.7	100.59	38.29	99.67	37.94	92.29	35.46	89.52	35.10	84.90	34.75	83.06	34.39	
	0	-0.7	110.65	37.44	109.64	37.10	101.52	34.67	98.47	34.32	93.40	33.98	91.37	33.63	
	3	2.2	119.46	34.04	118.36	33.72	109.59	31.52	106.30	31.20	100.82	30.89	98.63	30.57	
	5	4.1	121.97	32.62	120.85	32.32	111.90	30.20	108.54	29.90	102.95	29.60	100.71	29.30	
	7	6	125.74	28.37	124.59	28.10	115.36	26.26	111.90	26.00	106.13	25.74	103.82	25.48	
	9	7.9	128.26	28.08	127.08	27.82	117.67	26.00	114.14	25.74	108.25	25.48	105.90	25.22	
	11	9.8	128.26	27.80	127.08	27.54	117.67	25.74	114.14	25.48	108.25	25.22	105.90	24.97	
	13	11.8	128.26	27.66	127.08	27.40	117.67	25.61	114.14	25.35	108.25	25.10	105.90	24.84	
	15	13.7	128.26	27.51	127.08	27.26	117.67	25.48	114.14	25.22	108.25	24.97	105.90	24.71	
19	14.2	129.43	27.37	127.08	27.12	117.67	25.34	114.14	25.09	108.25	24.84	105.90	24.58		
21	15	129.43	27.23	127.08	26.98	117.67	25.21	114.14	24.96	108.25	24.71	105.90	24.46		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT036S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	45.62	30.66	45.20	30.38	41.85	28.39	40.60	28.11	38.51	27.82	37.67	27.54	
	-18.80	-19.00	49.32	31.09	48.87	30.80	45.25	28.79	43.89	28.50	41.63	28.21	40.72	27.92	
	-14.7	-15	55.49	32.38	54.98	32.08	50.90	29.98	49.38	29.68	46.83	29.38	45.81	29.08	
	-12.6	-13	61.65	32.67	61.08	32.36	56.56	30.25	54.86	29.94	52.04	29.64	50.90	29.34	
	-10.5	-11	66.58	32.95	65.97	32.65	61.08	30.51	59.25	30.21	56.20	29.90	54.98	29.60	
	-9.5	-10	70.28	33.53	69.64	33.22	64.48	31.04	62.54	30.73	59.32	30.42	58.03	30.11	
	-8.5	-9.1	73.98	34.39	73.30	34.07	67.87	31.84	65.84	31.52	62.44	31.20	61.08	30.88	
	-7	-7.6	86.31	35.25	85.52	34.92	79.18	32.63	76.81	32.31	72.85	31.98	71.27	31.66	
	-5	-5.6	92.48	36.68	91.63	36.34	84.84	33.96	82.29	33.62	78.05	33.28	76.36	32.94	
	-3	-3.7	98.64	38.68	97.74	38.33	90.50	35.82	87.78	35.46	83.26	35.10	81.45	34.74	
	0	-0.7	108.50	37.82	107.51	37.47	99.55	35.02	96.56	34.67	91.58	34.32	89.59	33.97	
	3	2.2	117.14	34.39	116.06	34.07	107.46	31.84	104.24	31.52	98.87	31.20	96.72	30.88	
	5	4.1	119.60	32.95	118.50	32.65	109.73	30.51	106.43	30.21	100.95	29.90	98.75	29.60	
	7	6	123.30	28.65	122.17	28.39	113.12	26.53	109.73	26.27	104.07	26.00	101.81	25.74	
	9	7.9	125.77	28.37	124.61	28.11	115.38	26.27	111.92	26.00	106.15	25.74	103.84	25.48	
	11	9.8	125.77	28.08	124.61	27.82	115.38	26.00	111.92	25.74	106.15	25.48	103.84	25.22	
	13	11.8	125.77	27.94	124.61	27.68	115.38	25.87	111.92	25.61	106.15	25.35	103.84	25.09	
	15	13.7	125.77	27.79	124.61	27.54	115.38	25.74	111.92	25.48	106.15	25.22	103.84	24.96	
19	14.2	126.92	27.65	124.61	27.40	115.38	25.60	111.92	25.35	106.15	25.09	103.84	24.84		
21	15	126.92	27.51	124.61	27.25	115.38	25.47	111.92	25.22	106.15	24.96	103.84	24.71		
100%	-22.90	-23.00	45.17	30.97	44.76	30.68	41.44	28.68	40.20	28.39	38.12	28.10	37.30	27.82	
	-18.80	-19.00	48.83	31.40	48.38	31.11	44.80	29.08	43.46	28.79	41.22	28.50	40.32	28.21	
	-14.7	-15	54.94	32.71	54.43	32.40	50.40	30.28	48.89	29.98	46.37	29.68	45.36	29.38	
	-12.6	-13	61.04	33.00	60.48	32.69	56.00	30.55	54.32	30.25	51.52	29.94	50.40	29.64	
	-10.5	-11	65.92	33.29	65.32	32.98	60.48	30.82	58.67	30.51	55.64	30.20	54.43	29.90	
	-9.5	-10	69.59	33.86	68.95	33.55	63.84	31.36	61.92	31.04	58.73	30.73	57.46	30.42	
	-8.5	-9.1	73.25	34.73	72.58	34.41	67.20	32.16	65.18	31.84	61.82	31.52	60.48	31.20	
	-7	-7.6	85.46	35.60	84.67	35.27	78.40	32.96	76.05	32.63	72.13	32.30	70.56	31.98	
	-5	-5.6	91.56	37.05	90.72	36.71	84.00	34.30	81.48	33.96	77.28	33.62	75.60	33.27	
	-3	-3.7	97.66	39.07	96.77	38.71	89.60	36.18	86.91	35.82	82.43	35.46	80.64	35.09	
	0	-0.7	107.43	38.21	106.44	37.85	98.56	35.38	95.60	35.02	90.68	34.67	88.70	34.31	
	3	2.2	115.98	34.73	114.91	34.41	106.40	32.16	103.21	31.84	97.89	31.52	95.76	31.20	
	5	4.1	118.42	33.29	117.33	32.98	108.64	30.82	105.38	30.51	99.95	30.20	97.78	29.90	
	7	6	122.08	28.94	120.96	28.68	112.00	26.80	108.64	26.53	103.04	26.26	100.80	26.00	
	9	7.9	124.52	28.65	123.38	28.39	114.24	26.53	110.81	26.27	105.10	26.00	102.82	25.74	
	11	9.8	124.52	28.37	123.38	28.10	114.24	26.26	110.81	26.00	105.10	25.74	102.82	25.48	
	13	11.8	124.52	28.22	123.38	27.96	114.24	26.13	110.81	25.87	105.10	25.61	102.82	25.35	
	15	13.7	124.52	28.08	123.38	27.82	114.24	26.00	110.81	25.74	105.10	25.48	102.82	25.22	
19	14.2	125.66	27.93	123.38	27.67	114.24	25.86	110.81	25.60	105.10	25.34	102.82	25.09		
21	15	125.66	27.79	123.38	27.53	114.24	25.73	110.81	25.47	105.10	25.21	102.82	24.96		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT036S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
90%	-22.90	-23.00	41.56	28.18	41.17	27.92	38.12	26.10	36.98	25.83	35.07	25.57	34.31	25.31	
	-18.80	-19.00	44.93	28.58	44.51	28.31	41.22	26.46	39.98	26.20	37.92	25.93	37.09	25.67	
	-14.7	-15	50.54	29.76	50.08	29.49	46.37	27.56	44.98	27.28	42.66	27.01	41.73	26.73	
	-12.6	-13	56.16	30.03	55.64	29.75	51.52	27.80	49.97	27.52	47.40	27.25	46.37	26.97	
	-10.5	-11	60.65	30.29	60.09	30.01	55.64	28.05	53.97	27.77	51.19	27.49	50.08	27.20	
	-9.5	-10	64.02	30.82	63.43	30.53	58.73	28.53	56.97	28.25	54.03	27.96	52.86	27.68	
	-8.5	-9.1	67.39	31.61	66.77	31.31	61.82	29.27	59.97	28.97	56.88	28.68	55.64	28.39	
	-7	-7.6	78.62	32.40	77.90	32.10	72.13	30.00	69.96	29.70	66.36	29.40	64.92	29.10	
	-5	-5.6	84.24	33.71	83.46	33.40	77.28	31.22	74.96	30.90	71.10	30.59	69.55	30.28	
	-3	-3.7	89.85	35.56	89.03	35.23	82.43	32.92	79.96	32.59	75.84	32.27	74.19	31.94	
	0	-0.7	98.84	34.77	97.93	34.45	90.68	32.19	87.95	31.87	83.42	31.55	81.61	31.23	
	3	2.2	106.70	31.61	105.72	31.31	97.89	29.27	94.95	28.97	90.06	28.68	88.10	28.39	
	5	4.1	108.94	30.29	107.94	30.01	99.95	28.05	96.95	27.77	91.95	27.49	89.95	27.20	
	7	6	112.31	26.34	111.28	26.10	103.04	24.39	99.95	24.14	94.80	23.90	92.74	23.66	
	9	7.9	114.56	26.08	113.51	25.83	105.10	24.14	101.95	23.90	96.69	23.66	94.59	23.42	
	11	9.8	114.56	25.81	113.51	25.57	105.10	23.90	101.95	23.66	96.69	23.42	94.59	23.18	
	13	11.8	114.56	25.68	113.51	25.44	105.10	23.78	101.95	23.54	96.69	23.30	94.59	23.06	
	15	13.7	114.56	25.55	113.51	25.31	105.10	23.66	101.95	23.42	96.69	23.18	94.59	22.95	
19	14.2	115.61	25.42	113.51	25.18	105.10	23.53	101.95	23.30	96.69	23.06	94.59	22.83		
21	15	115.61	25.29	113.51	25.05	105.10	23.41	101.95	23.18	96.69	22.94	94.59	22.71		
80%	-22.90	-23.00	36.59	22.83	36.25	22.62	33.57	21.14	32.56	20.93	30.88	20.71	30.21	20.50	
	-18.80	-19.00	39.55	23.15	39.19	22.93	36.29	21.43	35.20	21.22	33.38	21.00	32.66	20.79	
	-14.7	-15	44.50	24.11	44.09	23.88	40.82	22.32	39.60	22.10	37.56	21.88	36.74	21.65	
	-12.6	-13	49.44	24.32	48.99	24.10	45.36	22.52	44.00	22.29	41.73	22.07	40.82	21.84	
	-10.5	-11	53.40	24.53	52.91	24.31	48.99	22.72	47.52	22.49	45.07	22.26	44.09	22.04	
	-9.5	-10	56.36	24.96	55.85	24.73	51.71	23.11	50.16	22.88	47.57	22.65	46.54	22.42	
	-8.5	-9.1	59.33	25.60	58.79	25.36	54.43	23.71	52.80	23.47	50.08	23.23	48.99	22.99	
	-7	-7.6	69.22	26.24	68.58	26.00	63.50	24.30	61.60	24.05	58.42	23.81	57.15	23.57	
	-5	-5.6	74.16	27.31	73.48	27.06	68.04	25.29	66.00	25.03	62.60	24.78	61.24	24.53	
	-3	-3.7	79.11	28.80	78.38	28.54	72.58	26.67	70.40	26.40	66.77	26.13	65.32	25.87	
	0	-0.7	87.02	28.16	86.22	27.90	79.83	26.08	77.44	25.81	73.45	25.55	71.85	25.29	
	3	2.2	93.94	25.60	93.08	25.36	86.18	23.71	83.60	23.47	79.29	23.23	77.57	22.99	
	5	4.1	95.92	24.53	95.04	24.31	88.00	22.72	85.36	22.49	80.96	22.26	79.20	22.04	
	7	6	98.88	21.33	97.98	21.14	90.72	19.75	88.00	19.56	83.46	19.36	81.65	19.16	
	9	7.9	100.86	21.12	99.94	20.93	92.53	19.56	89.76	19.36	85.13	19.17	83.28	18.97	
	11	9.8	100.86	20.91	99.94	20.71	92.53	19.36	89.76	19.17	85.13	18.97	83.28	18.78	
	13	11.8	100.86	20.80	99.94	20.61	92.53	19.26	89.76	19.07	85.13	18.88	83.28	18.68	
	15	13.7	100.86	20.69	99.94	20.50	92.53	19.16	89.76	18.97	85.13	18.78	83.28	18.59	
19	14.2	101.79	20.59	99.94	20.40	92.53	19.06	89.76	18.87	85.13	18.68	83.28	18.49		
21	15	101.79	20.48	99.94	20.29	92.53	18.96	89.76	18.77	85.13	18.58	83.28	18.40		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT036S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	31.62	21.68	31.33	21.48	29.01	20.07	28.14	19.87	26.69	19.67	26.11	19.47	
	-18.80	-19.00	34.18	21.98	33.87	21.78	31.36	20.35	30.42	20.15	28.85	19.95	28.22	19.74	
	-14.7	-15	38.46	22.89	38.10	22.68	35.28	21.20	34.22	20.99	32.46	20.77	31.75	20.56	
	-12.6	-13	42.73	23.10	42.34	22.88	39.20	21.39	38.02	21.17	36.06	20.96	35.28	20.74	
	-10.5	-11	46.15	23.30	45.72	23.08	42.34	21.57	41.07	21.36	38.95	21.14	38.10	20.93	
	-9.5	-10	48.71	23.71	48.26	23.49	44.69	21.95	43.35	21.73	41.11	21.51	40.22	21.29	
	-8.5	-9.1	51.27	24.31	50.80	24.09	47.04	22.51	45.63	22.29	43.28	22.06	42.34	21.84	
	-7	-7.6	59.82	24.92	59.27	24.69	54.88	23.07	53.23	22.84	50.49	22.61	49.39	22.38	
	-5	-5.6	64.09	25.93	63.50	25.69	58.80	24.01	57.04	23.77	54.10	23.53	52.92	23.29	
	-3	-3.7	68.36	27.35	67.74	27.10	62.72	25.33	60.84	25.07	57.70	24.82	56.45	24.57	
	0	-0.7	75.20	26.74	74.51	26.50	68.99	24.76	66.92	24.52	63.47	24.27	62.09	24.02	
	3	2.2	81.18	24.31	80.44	24.09	74.48	22.51	72.25	22.29	68.52	22.06	67.03	21.84	
	5	4.1	82.89	23.30	82.13	23.08	76.05	21.57	73.77	21.36	69.96	21.14	68.44	20.93	
	7	6	85.46	20.26	84.67	20.07	78.40	18.76	76.05	18.57	72.13	18.38	70.56	18.20	
	9	7.9	87.17	20.06	86.37	19.87	79.97	18.57	77.57	18.39	73.57	18.20	71.97	18.02	
	11	9.8	87.17	19.86	86.37	19.67	79.97	18.38	77.57	18.20	73.57	18.02	71.97	17.83	
	13	11.8	87.17	19.75	86.37	19.57	79.97	18.29	77.57	18.11	73.57	17.93	71.97	17.74	
	15	13.7	87.17	19.65	86.37	19.47	79.97	18.20	77.57	18.02	73.57	17.83	71.97	17.65	
19	14.2	87.96	19.55	86.37	19.37	79.97	18.10	77.57	17.92	73.57	17.74	71.97	17.56		
21	15	87.96	19.45	86.37	19.27	79.97	18.01	77.57	17.83	73.57	17.65	71.97	17.47		
60%	-22.90	-23.00	28.46	19.20	28.20	19.02	26.11	17.78	25.32	17.60	24.02	17.42	23.50	17.25	
	-18.80	-19.00	30.76	19.47	30.48	19.29	28.22	18.03	27.38	17.85	25.97	17.67	25.40	17.49	
	-14.7	-15	34.61	20.28	34.29	20.09	31.75	18.78	30.80	18.59	29.21	18.40	28.58	18.21	
	-12.6	-13	38.46	20.46	38.10	20.27	35.28	18.94	34.22	18.75	32.46	18.56	31.75	18.37	
	-10.5	-11	41.53	20.64	41.15	20.45	38.10	19.11	36.96	18.92	35.05	18.73	34.29	18.54	
	-9.5	-10	43.84	21.00	43.44	20.80	40.22	19.44	39.01	19.25	37.00	19.05	36.20	18.86	
	-8.5	-9.1	46.15	21.53	45.72	21.33	42.34	19.94	41.07	19.74	38.95	19.54	38.10	19.34	
	-7	-7.6	53.84	22.07	53.34	21.87	49.39	20.44	47.91	20.23	45.44	20.03	44.45	19.82	
	-5	-5.6	57.68	22.97	57.15	22.76	52.92	21.27	51.33	21.06	48.69	20.84	47.63	20.63	
	-3	-3.7	61.53	24.23	60.96	24.00	56.45	22.43	54.75	22.21	51.93	21.98	50.80	21.76	
	0	-0.7	67.68	23.69	67.06	23.47	62.09	21.93	60.23	21.71	57.13	21.49	55.88	21.28	
	3	2.2	73.06	21.53	72.39	21.33	67.03	19.94	65.02	19.74	61.67	19.54	60.33	19.34	
	5	4.1	74.60	20.64	73.92	20.45	68.44	19.11	66.39	18.92	62.97	18.73	61.60	18.54	
	7	6	76.91	17.95	76.20	17.78	70.56	16.62	68.44	16.45	64.92	16.28	63.50	16.12	
	9	7.9	78.45	17.77	77.73	17.60	71.97	16.45	69.81	16.29	66.21	16.12	64.77	15.96	
	11	9.8	78.45	17.59	77.73	17.42	71.97	16.28	69.81	16.12	66.21	15.96	64.77	15.80	
	13	11.8	78.45	17.50	77.73	17.33	71.97	16.20	69.81	16.04	66.21	15.88	64.77	15.71	
	15	13.7	78.45	17.41	77.73	17.25	71.97	16.12	69.81	15.96	66.21	15.80	64.77	15.63	
19	14.2	79.17	17.32	77.73	17.16	71.97	16.03	69.81	15.87	66.21	15.71	64.77	15.55		
21	15	79.17	17.23	77.73	17.07	71.97	15.95	69.81	15.79	66.21	15.63	64.77	15.47		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT036S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	24.39	20.13	24.17	19.94	22.38	18.64	21.71	18.45	20.59	18.27	20.14	18.08	
	-18.80	-19.00	26.37	20.41	26.13	20.22	24.19	18.90	23.47	18.71	22.26	18.52	21.77	18.33	
	-14.7	-15	29.67	21.26	29.39	21.06	27.22	19.68	26.40	19.49	25.04	19.29	24.49	19.09	
	-12.6	-13	32.96	21.45	32.66	21.25	30.24	19.86	29.33	19.66	27.82	19.46	27.22	19.26	
	-10.5	-11	35.60	21.64	35.27	21.44	32.66	20.03	31.68	19.83	30.05	19.63	29.39	19.43	
	-9.5	-10	37.58	22.01	37.23	21.81	34.47	20.38	33.44	20.18	31.72	19.97	31.03	19.77	
	-8.5	-9.1	39.55	22.58	39.19	22.37	36.29	20.90	35.20	20.69	33.38	20.49	32.66	20.28	
	-7	-7.6	46.15	23.14	45.72	22.93	42.34	21.43	41.07	21.21	38.95	21.00	38.10	20.78	
	-5	-5.6	49.44	24.08	48.99	23.86	45.36	22.30	44.00	22.07	41.73	21.85	40.82	21.63	
	-3	-3.7	52.74	25.40	52.25	25.16	48.38	23.52	46.93	23.28	44.51	23.05	43.55	22.81	
	0	-0.7	58.01	24.83	57.48	24.60	53.22	22.99	51.63	22.76	48.96	22.53	47.90	22.30	
	3	2.2	62.63	22.58	62.05	22.37	57.46	20.90	55.73	20.69	52.86	20.49	51.71	20.28	
	5	4.1	63.95	21.64	63.36	21.44	58.67	20.03	56.91	19.83	53.97	19.63	52.80	19.43	
	7	6	65.92	18.81	65.32	18.64	60.48	17.42	58.67	17.25	55.64	17.07	54.43	16.90	
	9	7.9	67.24	18.63	66.62	18.45	61.69	17.25	59.84	17.07	56.75	16.90	55.52	16.73	
	11	9.8	67.24	18.44	66.62	18.27	61.69	17.07	59.84	16.90	56.75	16.73	55.52	16.56	
	13	11.8	67.24	18.34	66.62	18.17	61.69	16.98	59.84	16.81	56.75	16.64	55.52	16.47	
15	13.7	67.24	18.25	66.62	18.08	61.69	16.90	59.84	16.73	56.75	16.56	55.52	16.39		
19	14.2	67.86	18.16	66.62	17.99	61.69	16.81	59.84	16.64	56.75	16.47	55.52	16.31		
21	15	67.86	18.06	66.62	17.89	61.69	16.72	59.84	16.56	56.75	16.39	55.52	16.22		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT038S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	°C DB)	°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	49.28	31.23	48.83	30.94	45.21	28.92	43.86	28.63	41.60	28.34	40.69	28.05	
	-18.80	-19.00	53.28	31.83	52.79	31.53	48.88	29.47	47.41	29.17	44.97	28.88	43.99	28.58	
	-14.7	-15	59.94	33.15	59.39	32.84	54.99	30.69	53.34	30.38	50.59	30.08	49.49	29.77	
	-12.6	-13	66.60	33.44	65.99	33.13	61.10	30.96	59.27	30.65	56.21	30.34	54.99	30.03	
	-10.5	-11	71.93	33.73	71.27	33.42	65.99	31.23	64.01	30.92	60.71	30.61	59.39	30.30	
	-9.5	-10	75.92	34.32	75.23	34.00	69.65	31.78	67.56	31.46	64.08	31.14	62.69	30.82	
	-8.5	-9.1	79.92	35.20	79.19	34.87	73.32	32.59	71.12	32.27	67.45	31.94	65.99	31.61	
	-7	-7.6	93.24	36.08	92.38	35.75	85.54	33.41	82.97	33.07	78.70	32.74	76.99	32.40	
	-5	-5.6	99.90	37.55	98.98	37.20	91.65	34.76	88.90	34.42	84.32	34.07	82.49	33.72	
	-3	-3.7	106.56	39.60	105.58	39.23	97.76	36.67	94.83	36.30	89.94	35.93	87.98	35.57	
	0	-0.7	117.21	38.72	116.14	38.36	107.54	35.85	104.31	35.49	98.93	35.13	96.78	34.78	
	3	2.2	126.54	35.20	125.38	34.87	116.09	32.59	112.61	32.27	106.80	31.94	104.48	31.61	
	5	4.1	129.20	33.73	128.02	33.42	118.53	31.23	114.98	30.92	109.05	30.61	106.68	30.30	
	7	6	133.20	29.33	131.98	29.06	122.20	27.16	118.53	26.89	112.42	26.62	109.98	26.35	
	9	7.9	135.86	29.04	134.62	28.77	124.64	26.89	120.90	26.62	114.67	26.35	112.18	26.08	
	11	9.8	135.86	28.75	134.62	28.48	124.64	26.62	120.90	26.35	114.67	26.08	112.18	25.82	
	13	11.8	135.86	28.60	134.62	28.33	124.64	26.48	120.90	26.22	114.67	25.95	112.18	25.69	
	15	13.7	135.86	28.45	134.62	28.19	124.64	26.35	120.90	26.08	114.67	25.82	112.18	25.55	
	19	14.2	137.11	28.31	134.62	28.04	124.64	26.21	120.90	25.95	114.67	25.69	112.18	25.42	
	21	15	137.11	28.16	134.62	27.90	124.64	26.07	120.90	25.81	114.67	25.55	112.18	25.29	
120%	-22.90	-23.00	48.81	31.56	48.36	31.26	44.78	29.22	43.44	28.93	41.20	28.63	40.30	28.34	
	-18.80	-19.00	52.77	32.15	52.28	31.86	48.41	29.77	46.96	29.47	44.54	29.18	43.57	28.88	
	-14.7	-15	59.36	33.49	58.82	33.18	54.46	31.01	52.83	30.70	50.10	30.39	49.02	30.08	
	-12.6	-13	65.96	33.78	65.35	33.47	60.51	31.28	58.70	30.97	55.67	30.66	54.46	30.34	
	-10.5	-11	71.24	34.08	70.58	33.76	65.35	31.56	63.39	31.24	60.13	30.92	58.82	30.61	
	-9.5	-10	75.19	34.67	74.50	34.35	68.98	32.10	66.91	31.78	63.47	31.46	62.09	31.14	
	-8.5	-9.1	79.15	35.56	78.42	35.23	72.62	32.93	70.44	32.60	66.81	32.27	65.35	31.94	
	-7	-7.6	92.34	36.45	91.49	36.11	84.72	33.75	82.18	33.41	77.94	33.08	76.25	32.74	
	-5	-5.6	98.94	37.93	98.03	37.58	90.77	35.12	88.05	34.77	83.51	34.42	81.69	34.07	
	-3	-3.7	105.53	40.01	104.57	39.64	96.82	37.04	93.92	36.67	89.07	36.30	87.14	35.93	
	0	-0.7	116.09	39.12	115.02	38.76	106.50	36.22	103.31	35.86	97.98	35.50	95.85	35.13	
	3	2.2	125.32	35.56	124.17	35.23	114.97	32.93	111.52	32.60	105.78	32.27	103.48	31.94	
	5	4.1	127.96	34.08	126.79	33.76	117.39	31.56	113.87	31.24	108.00	30.92	105.65	30.61	
	7	6	131.92	29.64	130.71	29.36	121.03	27.44	117.39	27.17	111.34	26.89	108.92	26.62	
	9	7.9	134.56	29.34	133.32	29.07	123.45	27.17	119.74	26.89	113.57	26.62	111.10	26.35	
	11	9.8	134.56	29.04	133.32	28.77	123.45	26.89	119.74	26.62	113.57	26.35	111.10	26.08	
	13	11.8	134.56	28.89	133.32	28.63	123.45	26.75	119.74	26.49	113.57	26.22	111.10	25.95	
	15	13.7	134.56	28.75	133.32	28.48	123.45	26.62	119.74	26.35	113.57	26.08	111.10	25.82	
	19	14.2	135.79	28.60	133.32	28.33	123.45	26.48	119.74	26.21	113.57	25.95	111.10	25.69	
	21	15	135.79	28.45	133.32	28.19	123.45	26.34	119.74	26.08	113.57	25.82	111.10	25.55	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT038S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	47.86	31.88	47.42	31.58	43.91	29.52	42.59	29.22	40.40	28.93	39.52	28.63	
	-18.80	-19.00	51.74	32.48	51.27	32.18	47.47	30.08	46.05	29.78	43.67	29.47	42.72	29.17	
	-14.7	-15	58.21	33.83	57.68	33.52	53.40	31.32	51.80	31.01	49.13	30.70	48.06	30.38	
	-12.6	-13	64.68	34.13	64.08	33.81	59.34	31.60	57.56	31.28	54.59	30.97	53.40	30.65	
	-10.5	-11	69.85	34.43	69.21	34.11	64.08	31.88	62.16	31.56	58.96	31.24	57.68	30.92	
	-9.5	-10	73.73	35.03	73.06	34.70	67.64	32.43	65.62	32.11	62.23	31.78	60.88	31.46	
	-8.5	-9.1	77.61	35.93	76.90	35.59	71.21	33.26	69.07	32.93	65.51	32.60	64.08	32.27	
	-7	-7.6	90.55	36.82	89.72	36.48	83.07	34.10	80.58	33.75	76.43	33.41	74.77	33.07	
	-5	-5.6	97.02	38.32	96.13	37.97	89.01	35.48	86.34	35.13	81.89	34.77	80.11	34.42	
	-3	-3.7	103.48	40.42	102.54	40.04	94.94	37.42	92.09	37.05	87.34	36.67	85.45	36.30	
	0	-0.7	113.83	39.52	112.79	39.15	104.43	36.59	101.30	36.22	96.08	35.86	93.99	35.49	
	3	2.2	122.89	35.93	121.76	35.59	112.74	33.26	109.36	32.93	103.72	32.60	101.47	32.27	
	5	4.1	125.48	34.43	124.32	34.11	115.11	31.88	111.66	31.56	105.91	31.24	103.60	30.92	
	7	6	129.36	29.94	128.17	29.66	118.68	27.72	115.11	27.44	109.18	27.17	106.81	26.89	
	9	7.9	131.94	29.64	130.73	29.36	121.05	27.44	117.42	27.17	111.36	26.89	108.94	26.62	
	11	9.8	131.94	29.34	130.73	29.07	121.05	27.17	117.42	26.89	111.36	26.62	108.94	26.35	
	13	11.8	131.94	29.19	130.73	28.92	121.05	27.03	117.42	26.76	111.36	26.49	108.94	26.22	
	15	13.7	131.94	29.04	130.73	28.77	121.05	26.89	117.42	26.62	111.36	26.35	108.94	26.08	
19	14.2	133.15	28.89	130.73	28.62	121.05	26.75	117.42	26.48	111.36	26.21	108.94	25.95		
21	15	133.15	28.74	130.73	28.47	121.05	26.61	117.42	26.35	111.36	26.08	108.94	25.81		
100%	-22.90	-23.00	47.39	32.20	46.95	31.90	43.48	29.81	42.17	29.52	40.00	29.22	39.13	28.92	
	-18.80	-19.00	51.23	32.81	50.76	32.51	47.00	30.38	45.59	30.08	43.24	29.77	42.30	29.47	
	-14.7	-15	57.63	34.17	57.11	33.85	52.88	31.64	51.29	31.32	48.65	31.01	47.59	30.69	
	-12.6	-13	64.04	34.47	63.45	34.15	58.75	31.92	56.99	31.60	54.05	31.28	52.88	30.96	
	-10.5	-11	69.16	34.78	68.53	34.45	63.45	32.20	61.55	31.88	58.37	31.56	57.11	31.23	
	-9.5	-10	73.00	35.38	72.33	35.05	66.98	32.76	64.97	32.43	61.62	32.10	60.28	31.78	
	-8.5	-9.1	76.85	36.29	76.14	35.95	70.50	33.60	68.39	33.26	64.86	32.93	63.45	32.59	
	-7	-7.6	89.65	37.20	88.83	36.85	82.25	34.44	79.78	34.10	75.67	33.75	74.03	33.41	
	-5	-5.6	96.06	38.71	95.18	38.35	88.13	35.84	85.48	35.48	81.08	35.12	79.31	34.76	
	-3	-3.7	102.46	40.82	101.52	40.45	94.00	37.80	91.18	37.42	86.48	37.04	84.60	36.67	
	0	-0.7	112.71	39.92	111.67	39.55	103.40	36.96	100.30	36.59	95.13	36.22	93.06	35.85	
	3	2.2	121.67	36.29	120.56	35.95	111.63	33.60	108.28	33.26	102.70	32.93	100.46	32.59	
	5	4.1	124.23	34.78	123.09	34.45	113.98	32.20	110.56	31.88	104.86	31.56	102.58	31.23	
	7	6	128.08	30.24	126.90	29.96	117.50	28.00	113.98	27.72	108.10	27.44	105.75	27.16	
	9	7.9	130.64	29.94	129.44	29.66	119.85	27.72	116.25	27.44	110.26	27.17	107.87	26.89	
	11	9.8	130.64	29.64	129.44	29.36	119.85	27.44	116.25	27.17	110.26	26.89	107.87	26.62	
	13	11.8	130.64	29.48	129.44	29.21	119.85	27.30	116.25	27.03	110.26	26.75	107.87	26.48	
	15	13.7	130.64	29.33	129.44	29.06	119.85	27.16	116.25	26.89	110.26	26.62	107.87	26.35	
19	14.2	131.84	29.18	129.44	28.91	119.85	27.02	116.25	26.75	110.26	26.48	107.87	26.21		
21	15	131.84	29.03	129.44	28.76	119.85	26.88	116.25	26.61	110.26	26.34	107.87	26.07		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT038S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-22.90	-23.00	43.60	29.30	43.20	29.03	40.00	27.13	38.80	26.86	36.80	26.59	36.00	26.32	
	-18.80	-19.00	47.13	29.86	46.70	29.58	43.24	27.65	41.94	27.37	39.78	27.09	38.92	26.82	
	-14.7	-15	53.02	31.10	52.54	30.81	48.65	28.79	47.19	28.50	44.75	28.22	43.78	27.93	
	-12.6	-13	58.91	31.37	58.37	31.08	54.05	29.05	52.43	28.76	49.73	28.47	48.65	28.18	
	-10.5	-11	63.63	31.65	63.04	31.35	58.37	29.30	56.62	29.01	53.70	28.72	52.54	28.42	
	-9.5	-10	67.16	32.20	66.55	31.90	61.62	29.81	59.77	29.51	56.69	29.22	55.46	28.92	
	-8.5	-9.1	70.70	33.02	70.05	32.72	64.86	30.58	62.91	30.27	59.67	29.96	58.37	29.66	
	-7	-7.6	82.48	33.85	81.72	33.53	75.67	31.34	73.40	31.03	69.62	30.71	68.10	30.40	
	-5	-5.6	88.37	35.22	87.56	34.90	81.08	32.61	78.64	32.29	74.59	31.96	72.97	31.64	
	-3	-3.7	94.26	37.15	93.40	36.81	86.48	34.40	83.89	34.05	79.56	33.71	77.83	33.37	
	0	-0.7	103.69	36.32	102.74	35.99	95.13	33.63	92.27	33.30	87.52	32.96	85.62	32.62	
	3	2.2	111.94	33.02	110.91	32.72	102.70	30.58	99.61	30.27	94.48	29.96	92.43	29.66	
	5	4.1	114.29	31.65	113.25	31.35	104.86	29.30	101.71	29.01	96.47	28.72	94.37	28.42	
	7	6	117.83	27.52	116.75	27.26	108.10	25.48	104.86	25.23	99.45	24.97	97.29	24.72	
	9	7.9	120.19	27.24	119.08	26.99	110.26	25.23	106.95	24.97	101.44	24.72	99.24	24.47	
	11	9.8	120.19	26.97	119.08	26.72	110.26	24.97	106.95	24.72	101.44	24.47	99.24	24.22	
	13	11.8	120.19	26.83	119.08	26.58	110.26	24.84	106.95	24.59	101.44	24.35	99.24	24.10	
	15	13.7	120.19	26.69	119.08	26.45	110.26	24.72	106.95	24.47	101.44	24.22	99.24	23.97	
19	14.2	121.29	26.56	119.08	26.31	110.26	24.59	106.95	24.34	101.44	24.10	99.24	23.85		
21	15	121.29	26.42	119.08	26.17	110.26	24.46	106.95	24.22	101.44	23.97	99.24	23.73		
80%	-22.90	-23.00	38.38	23.73	38.03	23.51	35.21	21.98	34.16	21.76	32.40	21.54	31.69	21.32	
	-18.80	-19.00	41.50	24.18	41.12	23.96	38.07	22.39	36.93	22.17	35.02	21.95	34.26	21.72	
	-14.7	-15	46.68	25.19	46.26	24.95	42.83	23.32	41.54	23.09	39.40	22.86	38.55	22.62	
	-12.6	-13	51.87	25.41	51.39	25.18	47.59	23.53	46.16	23.29	43.78	23.06	42.83	22.82	
	-10.5	-11	56.02	25.63	55.51	25.40	51.39	23.73	49.85	23.50	47.28	23.26	46.26	23.02	
	-9.5	-10	59.13	26.08	58.59	25.84	54.25	24.15	52.62	23.91	49.91	23.66	48.82	23.42	
	-8.5	-9.1	62.24	26.75	61.67	26.50	57.11	24.77	55.39	24.52	52.54	24.27	51.39	24.02	
	-7	-7.6	72.62	27.42	71.95	27.16	66.62	25.39	64.62	25.13	61.29	24.88	59.96	24.62	
	-5	-5.6	77.81	28.53	77.09	28.27	71.38	26.42	69.24	26.15	65.67	25.89	64.24	25.63	
	-3	-3.7	82.99	30.09	82.23	29.81	76.14	27.86	73.86	27.58	70.05	27.31	68.53	27.03	
	0	-0.7	91.29	29.42	90.45	29.15	83.75	27.24	81.24	26.97	77.05	26.70	75.38	26.43	
	3	2.2	98.55	26.75	97.65	26.50	90.42	24.77	87.70	24.52	83.18	24.27	81.37	24.02	
	5	4.1	100.63	25.63	99.71	25.40	92.32	23.73	89.55	23.50	84.93	23.26	83.09	23.02	
	7	6	103.74	22.29	102.79	22.08	95.18	20.64	92.32	20.43	87.56	20.23	85.66	20.02	
	9	7.9	105.82	22.07	104.84	21.86	97.08	20.43	94.17	20.23	89.31	20.02	87.37	19.82	
	11	9.8	105.82	21.84	104.84	21.64	97.08	20.23	94.17	20.02	89.31	19.82	87.37	19.62	
	13	11.8	105.82	21.73	104.84	21.53	97.08	20.12	94.17	19.92	89.31	19.72	87.37	19.52	
	15	13.7	105.82	21.62	104.84	21.42	97.08	20.02	94.17	19.82	89.31	19.62	87.37	19.42	
19	14.2	106.79	21.51	104.84	21.31	97.08	19.92	94.17	19.72	89.31	19.52	87.37	19.32		
21	15	106.79	21.40	104.84	21.20	97.08	19.81	94.17	19.62	89.31	19.42	87.37	19.22		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT038S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
70%	-22.90	-23.00	33.17	22.54	32.87	22.33	30.43	20.87	29.52	20.66	28.00	20.45	27.39	20.24	
	-18.80	-19.00	35.86	22.97	35.53	22.75	32.90	21.27	31.91	21.05	30.27	20.84	29.61	20.63	
	-14.7	-15	40.34	23.92	39.97	23.70	37.01	22.15	35.90	21.93	34.05	21.71	33.31	21.48	
	-12.6	-13	44.83	24.13	44.42	23.91	41.13	22.34	39.89	22.12	37.84	21.90	37.01	21.67	
	-10.5	-11	48.41	24.34	47.97	24.12	44.42	22.54	43.08	22.31	40.86	22.09	39.97	21.86	
	-9.5	-10	51.10	24.77	50.63	24.54	46.88	22.93	45.48	22.70	43.13	22.47	42.19	22.24	
	-8.5	-9.1	53.79	25.40	53.30	25.17	49.35	23.52	47.87	23.28	45.40	23.05	44.42	22.81	
	-7	-7.6	62.76	26.04	62.18	25.80	57.58	24.11	55.85	23.87	52.97	23.63	51.82	23.38	
	-5	-5.6	67.24	27.10	66.62	26.84	61.69	25.09	59.84	24.84	56.75	24.59	55.52	24.34	
	-3	-3.7	71.72	28.58	71.06	28.31	65.80	26.46	63.83	26.20	60.54	25.93	59.22	25.67	
	0	-0.7	78.89	27.94	78.17	27.68	72.38	25.87	70.21	25.61	66.59	25.35	65.14	25.10	
	3	2.2	85.17	25.40	84.39	25.17	78.14	23.52	75.79	23.28	71.89	23.05	70.32	22.81	
	5	4.1	86.96	24.34	86.17	24.12	79.78	22.54	77.39	22.31	73.40	22.09	71.80	21.86	
	7	6	89.65	21.17	88.83	20.97	82.25	19.60	79.78	19.40	75.67	19.21	74.03	19.01	
	9	7.9	91.45	20.96	90.61	20.76	83.90	19.40	81.38	19.21	77.18	19.02	75.51	18.82	
	11	9.8	91.45	20.74	90.61	20.55	83.90	19.21	81.38	19.02	77.18	18.82	75.51	18.63	
	13	11.8	91.45	20.64	90.61	20.45	83.90	19.11	81.38	18.92	77.18	18.73	75.51	18.54	
	15	13.7	91.45	20.53	90.61	20.34	83.90	19.01	81.38	18.82	77.18	18.63	75.51	18.44	
19	14.2	92.28	20.43	90.61	20.24	83.90	18.91	81.38	18.72	77.18	18.54	75.51	18.35		
21	15	92.28	20.32	90.61	20.13	83.90	18.82	81.38	18.63	77.18	18.44	75.51	18.25		
60%	-22.90	-23.00	29.85	19.96	29.58	19.78	27.39	18.48	26.57	18.30	25.20	18.11	24.65	17.93	
	-18.80	-19.00	32.27	20.34	31.98	20.15	29.61	18.84	28.72	18.65	27.24	18.46	26.65	18.27	
	-14.7	-15	36.31	21.19	35.98	20.99	33.31	19.62	32.31	19.42	30.65	19.22	29.98	19.03	
	-12.6	-13	40.34	21.37	39.97	21.18	37.01	19.79	35.90	19.59	34.05	19.39	33.31	19.20	
	-10.5	-11	43.57	21.56	43.17	21.36	39.97	19.96	38.77	19.76	36.78	19.56	35.98	19.37	
	-9.5	-10	45.99	21.94	45.57	21.73	42.19	20.31	40.93	20.11	38.82	19.90	37.97	19.70	
	-8.5	-9.1	48.41	22.50	47.97	22.29	44.42	20.83	43.08	20.62	40.86	20.42	39.97	20.21	
	-7	-7.6	56.48	23.06	55.96	22.85	51.82	21.35	50.26	21.14	47.67	20.93	46.64	20.71	
	-5	-5.6	60.52	24.00	59.96	23.78	55.52	22.22	53.85	22.00	51.08	21.78	49.97	21.55	
	-3	-3.7	64.55	25.31	63.96	25.08	59.22	23.44	57.44	23.20	54.48	22.97	53.30	22.73	
	0	-0.7	71.00	24.75	70.35	24.52	65.14	22.92	63.19	22.69	59.93	22.46	58.63	22.23	
	3	2.2	76.65	22.50	75.95	22.29	70.32	20.83	68.21	20.62	64.70	20.42	63.29	20.21	
	5	4.1	78.27	21.56	77.55	21.36	71.80	19.96	69.65	19.76	66.06	19.56	64.62	19.37	
	7	6	80.69	18.75	79.95	18.58	74.03	17.36	71.80	17.19	68.10	17.01	66.62	16.84	
	9	7.9	82.30	18.56	81.55	18.39	75.51	17.19	73.24	17.01	69.47	16.84	67.95	16.67	
	11	9.8	82.30	18.37	81.55	18.20	75.51	17.01	73.24	16.84	69.47	16.67	67.95	16.50	
	13	11.8	82.30	18.28	81.55	18.11	75.51	16.93	73.24	16.76	69.47	16.59	67.95	16.42	
	15	13.7	82.30	18.19	81.55	18.02	75.51	16.84	73.24	16.67	69.47	16.50	67.95	16.33	
19	14.2	83.06	18.09	81.55	17.93	75.51	16.75	73.24	16.58	69.47	16.42	67.95	16.25		
21	15	83.06	18.00	81.55	17.83	75.51	16.67	73.24	16.50	69.47	16.33	67.95	16.17		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT038S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	25.59	20.93	25.35	20.74	23.48	19.38	22.77	19.19	21.60	18.99	21.13	18.80	
	-18.80	-19.00	27.66	21.33	27.41	21.13	25.38	19.75	24.62	19.55	23.35	19.35	22.84	19.15	
	-14.7	-15	31.12	22.21	30.84	22.01	28.55	20.57	27.70	20.36	26.27	20.15	25.70	19.95	
	-12.6	-13	34.58	22.41	34.26	22.20	31.73	20.75	30.77	20.54	29.19	20.33	28.55	20.13	
	-10.5	-11	37.35	22.60	37.00	22.40	34.26	20.93	33.24	20.72	31.52	20.51	30.84	20.30	
	-9.5	-10	39.42	23.00	39.06	22.78	36.17	21.29	35.08	21.08	33.27	20.87	32.55	20.66	
	-8.5	-9.1	41.50	23.59	41.12	23.37	38.07	21.84	36.93	21.62	35.02	21.40	34.26	21.18	
	-7	-7.6	48.41	24.18	47.97	23.95	44.42	22.39	43.08	22.16	40.86	21.94	39.97	21.71	
	-5	-5.6	51.87	25.16	51.39	24.93	47.59	23.30	46.16	23.06	43.78	22.83	42.83	22.60	
	-3	-3.7	55.33	26.54	54.82	26.29	50.76	24.57	49.24	24.32	46.70	24.08	45.68	23.83	
	0	-0.7	60.86	25.95	60.30	25.71	55.84	24.02	54.16	23.78	51.37	23.54	50.25	23.30	
	3	2.2	65.70	23.59	65.10	23.37	60.28	21.84	58.47	21.62	55.46	21.40	54.25	21.18	
	5	4.1	67.09	22.60	66.47	22.40	61.55	20.93	59.70	20.72	56.62	20.51	55.39	20.30	
	7	6	69.16	19.66	68.53	19.47	63.45	18.20	61.55	18.02	58.37	17.84	57.11	17.65	
	9	7.9	70.54	19.46	69.90	19.28	64.72	18.02	62.78	17.84	59.54	17.66	58.25	17.48	
	11	9.8	70.54	19.26	69.90	19.08	64.72	17.84	62.78	17.66	59.54	17.48	58.25	17.30	
	13	11.8	70.54	19.16	69.90	18.99	64.72	17.75	62.78	17.57	59.54	17.39	58.25	17.21	
15	13.7	70.54	19.07	69.90	18.89	64.72	17.65	62.78	17.48	59.54	17.30	58.25	17.12		
19	14.2	71.19	18.97	69.90	18.79	64.72	17.56	62.78	17.39	59.54	17.21	58.25	17.04		
21	15	71.19	18.87	69.90	18.70	64.72	17.47	62.78	17.30	59.54	17.12	58.25	16.95		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT040S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	51.59	32.43	51.12	32.13	47.33	30.02	45.91	29.72	43.54	29.42	42.60	29.12	
	-18.80	-19.00	55.77	33.19	55.26	32.88	51.17	30.73	49.63	30.42	47.07	30.12	46.05	29.81	
	-14.7	-15	62.74	34.57	62.17	34.25	57.56	32.01	55.84	31.69	52.96	31.37	51.81	31.05	
	-12.6	-13	69.72	34.87	69.08	34.55	63.96	32.29	62.04	31.97	58.84	31.64	57.56	31.32	
	-10.5	-11	75.29	35.18	74.60	34.85	69.08	32.57	67.00	32.25	63.55	31.92	62.17	31.60	
	-9.5	-10	79.48	35.79	78.75	35.46	72.91	33.14	70.73	32.81	67.08	32.48	65.62	32.14	
	-8.5	-9.1	83.66	36.71	82.89	36.37	76.75	33.99	74.45	33.65	70.61	33.31	69.08	32.97	
	-7	-7.6	97.60	37.63	96.71	37.28	89.54	34.84	86.86	34.49	82.38	34.14	80.59	33.79	
	-5	-5.6	104.57	39.16	103.62	38.79	95.94	36.25	93.06	35.89	88.26	35.53	86.35	35.17	
	-3	-3.7	111.55	41.30	110.52	40.91	102.34	38.24	99.27	37.86	94.15	37.47	92.10	37.09	
	0	-0.7	122.70	40.38	121.58	40.00	112.57	37.39	109.19	37.01	103.56	36.64	101.31	36.27	
	3	2.2	132.46	36.71	131.25	36.37	121.52	33.99	117.88	33.65	111.80	33.31	109.37	32.97	
	5	4.1	135.25	35.18	134.01	34.85	124.08	32.57	120.36	32.25	114.16	31.92	111.67	31.60	
	7	6	139.43	30.59	138.15	30.31	127.92	28.32	124.08	28.04	117.69	27.76	115.13	27.47	
	9	7.9	142.22	30.28	140.92	30.00	130.48	28.04	126.56	27.76	120.04	27.48	117.43	27.20	
	11	9.8	142.22	29.98	140.92	29.70	130.48	27.76	126.56	27.48	120.04	27.20	117.43	26.92	
	13	11.8	142.22	29.83	140.92	29.55	130.48	27.62	126.56	27.34	120.04	27.06	117.43	26.79	
	15	13.7	142.22	29.67	140.92	29.40	130.48	27.47	126.56	27.20	120.04	26.92	117.43	26.65	
19	14.2	143.53	29.52	140.92	29.25	130.48	27.33	126.56	27.06	120.04	26.79	117.43	26.51		
21	15	143.53	29.37	140.92	29.09	130.48	27.19	126.56	26.92	120.04	26.65	117.43	26.38		
120%	-22.90	-23.00	51.09	32.76	50.63	32.46	46.88	30.33	45.47	30.03	43.13	29.73	42.19	29.42	
	-18.80	-19.00	55.24	33.53	54.73	33.22	50.68	31.05	49.16	30.74	46.62	30.43	45.61	30.12	
	-14.7	-15	62.14	34.92	61.57	34.60	57.01	32.34	55.30	32.01	52.45	31.69	51.31	31.37	
	-12.6	-13	69.05	35.23	68.41	34.91	63.35	32.62	61.44	32.30	58.28	31.97	57.01	31.64	
	-10.5	-11	74.57	35.54	73.89	35.21	68.41	32.91	66.36	32.58	62.94	32.25	61.57	31.92	
	-9.5	-10	78.71	36.16	77.99	35.82	72.21	33.48	70.05	33.15	66.44	32.81	64.99	32.48	
	-8.5	-9.1	82.86	37.09	82.10	36.74	76.01	34.34	73.73	34.00	69.93	33.65	68.41	33.31	
	-7	-7.6	96.66	38.01	95.78	37.66	88.68	35.20	86.02	34.85	81.59	34.49	79.81	34.14	
	-5	-5.6	103.57	39.56	102.62	39.19	95.02	36.63	92.17	36.26	87.42	35.90	85.52	35.53	
	-3	-3.7	110.47	41.72	109.46	41.34	101.35	38.63	98.31	38.25	93.24	37.86	91.22	37.47	
	0	-0.7	121.52	40.79	120.41	40.42	111.49	37.77	108.14	37.40	102.57	37.02	100.34	36.64	
	3	2.2	131.19	37.09	129.98	36.74	120.36	34.34	116.74	34.00	110.73	33.65	108.32	33.31	
	5	4.1	133.95	35.54	132.72	35.21	122.89	32.91	119.20	32.58	113.06	32.25	110.60	31.92	
	7	6	138.09	30.91	136.83	30.62	126.69	28.62	122.89	28.33	116.55	28.04	114.02	27.76	
	9	7.9	140.85	30.60	139.56	30.31	129.22	28.33	125.35	28.05	118.89	27.76	116.30	27.48	
	11	9.8	140.85	30.29	139.56	30.01	129.22	28.04	125.35	27.76	118.89	27.48	116.30	27.20	
	13	11.8	140.85	30.13	139.56	29.85	129.22	27.90	125.35	27.62	118.89	27.34	116.30	27.06	
	15	13.7	140.85	29.98	139.56	29.70	129.22	27.76	125.35	27.48	118.89	27.20	116.30	26.92	
19	14.2	142.15	29.82	139.56	29.55	129.22	27.61	125.35	27.34	118.89	27.06	116.30	26.79		
21	15	142.15	29.67	139.56	29.39	129.22	27.47	125.35	27.20	118.89	26.92	116.30	26.65		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT040S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
110%	-22.90	-23.00	50.10	33.09	49.64	32.79	45.97	30.64	44.59	30.34	42.29	30.03	41.37	29.72	
	-18.80	-19.00	54.16	33.87	53.67	33.56	49.69	31.37	48.20	31.05	45.72	30.74	44.72	30.42	
	-14.7	-15	60.93	35.28	60.38	34.95	55.90	32.67	54.23	32.34	51.43	32.01	50.31	31.69	
	-12.6	-13	67.71	35.59	67.08	35.26	62.12	32.96	60.25	32.63	57.15	32.30	55.90	31.97	
	-10.5	-11	73.12	35.90	72.45	35.57	67.08	33.24	65.07	32.91	61.72	32.58	60.38	32.25	
	-9.5	-10	77.18	36.53	76.48	36.19	70.81	33.82	68.69	33.48	65.15	33.15	63.73	32.81	
	-8.5	-9.1	81.25	37.46	80.50	37.12	74.54	34.69	72.30	34.34	68.57	34.00	67.08	33.65	
	-7	-7.6	94.79	38.40	93.92	38.05	86.96	35.56	84.35	35.20	80.00	34.85	78.26	34.49	
	-5	-5.6	101.56	39.96	100.63	39.59	93.17	37.00	90.38	36.63	85.72	36.26	83.86	35.89	
	-3	-3.7	108.33	42.15	107.33	41.76	99.38	39.03	96.40	38.64	91.43	38.25	89.45	37.86	
	0	-0.7	119.16	41.21	118.07	40.83	109.32	38.16	106.04	37.78	100.58	37.40	98.39	37.01	
	3	2.2	128.64	37.46	127.46	37.12	118.02	34.69	114.48	34.34	108.58	34.00	106.22	33.65	
	5	4.1	131.35	35.90	130.14	35.57	120.50	33.24	116.89	32.91	110.86	32.58	108.45	32.25	
	7	6	135.41	31.22	134.17	30.93	124.23	28.91	120.50	28.62	114.29	28.33	111.81	28.04	
	9	7.9	138.12	30.91	136.85	30.62	126.71	28.62	122.91	28.33	116.58	28.05	114.04	27.76	
	11	9.8	138.12	30.60	136.85	30.31	126.71	28.33	122.91	28.05	116.58	27.76	114.04	27.48	
	13	11.8	138.12	30.44	136.85	30.16	126.71	28.19	122.91	27.90	116.58	27.62	114.04	27.34	
15	13.7	138.12	30.28	136.85	30.00	126.71	28.04	122.91	27.76	116.58	27.48	114.04	27.20		
19	14.2	139.39	30.13	136.85	29.85	126.71	27.90	122.91	27.62	116.58	27.34	114.04	27.06		
21	15	139.39	29.97	136.85	29.69	126.71	27.75	122.91	27.47	116.58	27.20	114.04	26.92		
100%	-22.90	-23.00	49.61	33.43	49.15	33.12	45.51	30.95	44.14	30.64	41.87	30.33	40.96	30.02	
	-18.80	-19.00	53.63	34.22	53.14	33.90	49.20	31.68	47.72	31.37	45.26	31.05	44.28	30.73	
	-14.7	-15	60.33	35.64	59.78	35.31	55.35	33.00	53.69	32.67	50.92	32.34	49.82	32.01	
	-12.6	-13	67.04	35.95	66.42	35.62	61.50	33.29	59.66	32.96	56.58	32.62	55.35	32.29	
	-10.5	-11	72.40	36.27	71.73	35.93	66.42	33.58	64.43	33.24	61.11	32.91	59.78	32.57	
	-9.5	-10	76.42	36.90	75.72	36.56	70.11	34.16	68.01	33.82	64.50	33.48	63.10	33.14	
	-8.5	-9.1	80.44	37.84	79.70	37.49	73.80	35.04	71.59	34.69	67.90	34.34	66.42	33.99	
	-7	-7.6	93.85	38.79	92.99	38.43	86.10	35.92	83.52	35.56	79.21	35.20	77.49	34.84	
	-5	-5.6	100.55	40.37	99.63	39.99	92.25	37.38	89.48	37.00	84.87	36.63	83.03	36.25	
	-3	-3.7	107.26	42.57	106.27	42.18	98.40	39.42	95.45	39.03	90.53	38.63	88.56	38.24	
	0	-0.7	117.98	41.63	116.90	41.24	108.24	38.54	104.99	38.16	99.58	37.77	97.42	37.39	
	3	2.2	127.37	37.84	126.20	37.49	116.85	35.04	113.34	34.69	107.50	34.34	105.17	33.99	
	5	4.1	130.05	36.27	128.85	35.93	119.31	33.58	115.73	33.24	109.77	32.91	107.38	32.57	
	7	6	134.07	31.54	132.84	31.24	123.00	29.20	119.31	28.91	113.16	28.62	110.70	28.32	
	9	7.9	136.75	31.22	135.50	30.93	125.46	28.91	121.70	28.62	115.42	28.33	112.91	28.04	
	11	9.8	136.75	30.91	135.50	30.62	125.46	28.62	121.70	28.33	115.42	28.04	112.91	27.76	
	13	11.8	136.75	30.75	135.50	30.46	125.46	28.47	121.70	28.19	115.42	27.90	112.91	27.62	
15	13.7	136.75	30.59	135.50	30.31	125.46	28.32	121.70	28.04	115.42	27.76	112.91	27.47		
19	14.2	138.01	30.43	135.50	30.15	125.46	28.18	121.70	27.90	115.42	27.61	112.91	27.33		
21	15	138.01	30.27	135.50	29.99	125.46	28.03	121.70	27.75	115.42	27.47	112.91	27.19		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT040S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	45.64	30.42	45.22	30.14	41.87	28.17	40.61	27.88	38.52	27.60	37.68	27.32	
	-18.80	-19.00	49.34	31.14	48.89	30.85	45.26	28.83	43.91	28.54	41.64	28.25	40.74	27.97	
	-14.7	-15	55.50	32.43	55.00	32.13	50.92	30.03	49.39	29.73	46.85	29.43	45.83	29.13	
	-12.6	-13	61.67	32.72	61.11	32.41	56.58	30.29	54.88	29.99	52.05	29.69	50.92	29.38	
	-10.5	-11	66.61	33.00	65.99	32.70	61.11	30.56	59.27	30.25	56.22	29.95	55.00	29.64	
	-9.5	-10	70.31	33.58	69.66	33.27	64.50	31.09	62.57	30.78	59.34	30.47	58.05	30.16	
	-8.5	-9.1	74.01	34.44	73.33	34.12	67.90	31.89	65.86	31.57	62.46	31.25	61.11	30.93	
	-7	-7.6	86.34	35.30	85.55	34.97	79.21	32.68	76.84	32.36	72.88	32.03	71.29	31.70	
	-5	-5.6	92.51	36.73	91.66	36.39	84.87	34.01	82.32	33.67	78.08	33.33	76.38	32.99	
	-3	-3.7	98.68	38.74	97.77	38.38	90.53	35.87	87.81	35.51	83.29	35.15	81.48	34.80	
	0	-0.7	108.54	37.88	107.55	37.53	99.58	35.08	96.59	34.72	91.61	34.37	89.62	34.02	
	3	2.2	117.18	34.44	116.10	34.12	107.50	31.89	104.28	31.57	98.90	31.25	96.75	30.93	
	5	4.1	119.64	33.00	118.55	32.70	109.77	30.56	106.47	30.25	100.98	29.95	98.79	29.64	
	7	6	123.34	28.70	122.21	28.43	113.16	26.57	109.77	26.31	104.11	26.04	101.84	25.77	
	9	7.9	125.81	28.41	124.66	28.15	115.42	26.31	111.96	26.04	106.19	25.78	103.88	25.52	
	11	9.8	125.81	28.12	124.66	27.86	115.42	26.04	111.96	25.78	106.19	25.52	103.88	25.26	
	13	11.8	125.81	27.98	124.66	27.72	115.42	25.91	111.96	25.65	106.19	25.39	103.88	25.13	
	15	13.7	125.81	27.84	124.66	27.58	115.42	25.77	111.96	25.52	106.19	25.26	103.88	25.00	
19	14.2	126.97	27.69	124.66	27.44	115.42	25.64	111.96	25.39	106.19	25.13	103.88	24.87		
21	15	126.97	27.55	124.66	27.29	115.42	25.51	111.96	25.25	106.19	25.00	103.88	24.74		
80%	-22.90	-23.00	40.18	24.64	39.81	24.41	36.86	22.81	35.76	22.59	33.91	22.36	33.18	22.13	
	-18.80	-19.00	43.44	25.22	43.04	24.99	39.85	23.35	38.66	23.12	36.66	22.89	35.87	22.65	
	-14.7	-15	48.87	26.27	48.42	26.02	44.83	24.32	43.49	24.08	41.25	23.83	40.35	23.59	
	-12.6	-13	54.30	26.50	53.80	26.25	49.82	24.54	48.32	24.29	45.83	24.05	44.83	23.80	
	-10.5	-11	58.64	26.73	58.10	26.48	53.80	24.75	52.19	24.50	49.50	24.26	48.42	24.01	
	-9.5	-10	61.90	27.20	61.33	26.95	56.79	25.18	55.09	24.93	52.25	24.68	51.11	24.43	
	-8.5	-9.1	65.16	27.89	64.56	27.64	59.78	25.83	57.98	25.57	55.00	25.31	53.80	25.05	
	-7	-7.6	76.02	28.59	75.32	28.33	69.74	26.47	67.65	26.21	64.16	25.94	62.77	25.68	
	-5	-5.6	81.45	29.75	80.70	29.48	74.72	27.55	72.48	27.27	68.74	27.00	67.25	26.72	
	-3	-3.7	86.88	31.38	86.08	31.09	79.70	29.06	77.31	28.77	73.33	28.48	71.73	28.18	
	0	-0.7	95.57	30.68	94.69	30.40	87.67	28.41	85.04	28.13	80.66	27.84	78.91	27.56	
	3	2.2	103.17	27.89	102.22	27.64	94.65	25.83	91.81	25.57	87.08	25.31	85.18	25.05	
	5	4.1	105.34	26.73	104.37	26.48	96.64	24.75	93.74	24.50	88.91	24.26	86.98	24.01	
	7	6	108.60	23.25	107.60	23.03	99.63	21.52	96.64	21.31	91.66	21.09	89.67	20.88	
	9	7.9	110.77	23.01	109.75	22.80	101.62	21.31	98.57	21.10	93.49	20.88	91.46	20.67	
	11	9.8	110.77	22.78	109.75	22.57	101.62	21.09	98.57	20.88	93.49	20.67	91.46	20.46	
	13	11.8	110.77	22.66	109.75	22.45	101.62	20.99	98.57	20.78	93.49	20.57	91.46	20.36	
	15	13.7	110.77	22.55	109.75	22.34	101.62	20.88	98.57	20.67	93.49	20.46	91.46	20.25	
19	14.2	111.78	22.43	109.75	22.22	101.62	20.77	98.57	20.56	93.49	20.35	91.46	20.15		
21	15	111.78	22.32	109.75	22.11	101.62	20.66	98.57	20.46	93.49	20.25	91.46	20.04		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT040S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	34.72	23.40	34.41	23.18	31.86	21.67	30.90	21.45	29.31	21.23	28.67	21.02	
	-18.80	-19.00	37.54	23.95	37.20	23.73	34.44	22.18	33.41	21.96	31.68	21.73	31.00	21.51	
	-14.7	-15	42.23	24.94	41.84	24.71	38.75	23.10	37.58	22.87	35.65	22.64	34.87	22.40	
	-12.6	-13	46.92	25.17	46.49	24.93	43.05	23.30	41.76	23.07	39.61	22.84	38.75	22.60	
	-10.5	-11	50.68	25.39	50.21	25.15	46.49	23.51	45.10	23.27	42.77	23.04	41.84	22.80	
	-9.5	-10	53.49	25.83	53.00	25.59	49.08	23.91	47.60	23.68	45.15	23.44	44.17	23.20	
	-8.5	-9.1	56.31	26.49	55.79	26.24	51.66	24.53	50.11	24.28	47.53	24.04	46.49	23.79	
	-7	-7.6	65.69	27.15	65.09	26.90	60.27	25.14	58.46	24.89	55.45	24.64	54.24	24.39	
	-5	-5.6	70.39	28.26	69.74	27.99	64.58	26.16	62.64	25.90	59.41	25.64	58.12	25.38	
	-3	-3.7	75.08	29.80	74.39	29.53	68.88	27.59	66.81	27.32	63.37	27.04	61.99	26.77	
	0	-0.7	82.59	29.14	81.83	28.87	75.77	26.98	73.49	26.71	69.71	26.44	68.19	26.17	
	3	2.2	89.16	26.49	88.34	26.24	81.80	24.53	79.34	24.28	75.25	24.04	73.62	23.79	
	5	4.1	91.03	25.39	90.20	25.15	83.52	23.51	81.01	23.27	76.84	23.04	75.17	22.80	
	7	6	93.85	22.08	92.99	21.87	86.10	20.44	83.52	20.24	79.21	20.03	77.49	19.83	
	9	7.9	95.73	21.85	94.85	21.65	87.82	20.24	85.19	20.03	80.80	19.83	79.04	19.63	
	11	9.8	95.73	21.63	94.85	21.43	87.82	20.03	85.19	19.83	80.80	19.63	79.04	19.43	
	13	11.8	95.73	21.52	94.85	21.32	87.82	19.93	85.19	19.73	80.80	19.53	79.04	19.33	
	15	13.7	95.73	21.41	94.85	21.21	87.82	19.83	85.19	19.63	80.80	19.43	79.04	19.23	
19	14.2	96.60	21.30	94.85	21.11	87.82	19.72	85.19	19.53	80.80	19.33	79.04	19.13		
21	15	96.60	21.19	94.85	21.00	87.82	19.62	85.19	19.43	80.80	19.23	79.04	19.03		
60%	-22.90	-23.00	31.25	20.73	30.97	20.53	28.67	19.19	27.81	19.00	26.38	18.81	25.80	18.61	
	-18.80	-19.00	33.79	21.21	33.48	21.02	31.00	19.64	30.07	19.45	28.52	19.25	27.90	19.05	
	-14.7	-15	38.01	22.09	37.66	21.89	34.87	20.46	33.82	20.25	32.08	20.05	31.38	19.84	
	-12.6	-13	42.23	22.29	41.84	22.08	38.75	20.64	37.58	20.43	35.65	20.23	34.87	20.02	
	-10.5	-11	45.61	22.49	45.19	22.28	41.84	20.82	40.59	20.61	38.50	20.40	37.66	20.20	
	-9.5	-10	48.14	22.88	47.70	22.66	44.17	21.18	42.84	20.97	40.64	20.76	39.75	20.55	
	-8.5	-9.1	50.68	23.46	50.21	23.25	46.49	21.72	45.10	21.51	42.77	21.29	41.84	21.07	
	-7	-7.6	59.12	24.05	58.58	23.83	54.24	22.27	52.62	22.05	49.90	21.82	48.82	21.60	
	-5	-5.6	63.35	25.03	62.77	24.80	58.12	23.17	56.37	22.94	53.47	22.71	52.31	22.48	
	-3	-3.7	67.57	26.40	66.95	26.15	61.99	24.44	60.13	24.20	57.03	23.95	55.79	23.71	
	0	-0.7	74.33	25.81	73.65	25.57	68.19	23.90	66.15	23.66	62.74	23.42	61.37	23.18	
	3	2.2	80.24	23.46	79.50	23.25	73.62	21.72	71.41	21.51	67.73	21.29	66.25	21.07	
	5	4.1	81.93	22.49	81.18	22.28	75.17	20.82	72.91	20.61	69.15	20.40	67.65	20.20	
	7	6	84.46	19.55	83.69	19.37	77.49	18.10	75.17	17.92	71.29	17.74	69.74	17.56	
	9	7.9	86.15	19.36	85.36	19.18	79.04	17.92	76.67	17.74	72.72	17.56	71.14	17.39	
	11	9.8	86.15	19.16	85.36	18.98	79.04	17.74	76.67	17.56	72.72	17.39	71.14	17.21	
	13	11.8	86.15	19.06	85.36	18.89	79.04	17.65	76.67	17.47	72.72	17.30	71.14	17.12	
	15	13.7	86.15	18.97	85.36	18.79	79.04	17.56	76.67	17.39	72.72	17.21	71.14	17.03	
19	14.2	86.94	18.87	85.36	18.69	79.04	17.47	76.67	17.30	72.72	17.12	71.14	16.95		
21	15	86.94	18.77	85.36	18.60	79.04	17.38	76.67	17.21	72.72	17.03	71.14	16.86		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT040S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	26.79	21.73	26.54	21.53	24.58	20.12	23.84	19.92	22.61	19.72	22.12	19.52	
	-18.80	-19.00	28.96	22.24	28.69	22.03	26.57	20.59	25.77	20.39	24.44	20.18	23.91	19.98	
	-14.7	-15	32.58	23.16	32.28	22.95	29.89	21.45	28.99	21.23	27.50	21.02	26.90	20.80	
	-12.6	-13	36.20	23.37	35.87	23.15	33.21	21.64	32.21	21.42	30.55	21.20	29.89	20.99	
	-10.5	-11	39.09	23.57	38.74	23.35	35.87	21.83	34.79	21.61	33.00	21.39	32.28	21.17	
	-9.5	-10	41.27	23.98	40.89	23.76	37.86	22.21	36.72	21.98	34.83	21.76	34.07	21.54	
	-8.5	-9.1	43.44	24.60	43.04	24.37	39.85	22.78	38.66	22.55	36.66	22.32	35.87	22.09	
	-7	-7.6	50.68	25.21	50.21	24.98	46.49	23.35	45.10	23.11	42.77	22.88	41.84	22.65	
	-5	-5.6	54.30	26.24	53.80	26.00	49.82	24.29	48.32	24.05	45.83	23.81	44.83	23.57	
	-3	-3.7	57.92	27.67	57.39	27.42	53.14	25.62	51.54	25.37	48.89	25.11	47.82	24.85	
	0	-0.7	63.71	27.06	63.13	26.81	58.45	25.05	56.70	24.80	53.77	24.55	52.60	24.30	
	3	2.2	68.78	24.60	68.15	24.37	63.10	22.78	61.21	22.55	58.05	22.32	56.79	22.09	
	5	4.1	70.23	23.57	69.58	23.35	64.43	21.83	62.49	21.61	59.27	21.39	57.98	21.17	
	7	6	72.40	20.50	71.73	20.31	66.42	18.98	64.43	18.79	61.11	18.60	59.78	18.41	
	9	7.9	73.85	20.29	73.17	20.11	67.75	18.79	65.72	18.60	62.33	18.41	60.97	18.23	
	11	9.8	73.85	20.09	73.17	19.90	67.75	18.60	65.72	18.41	62.33	18.23	60.97	18.04	
	13	11.8	73.85	19.99	73.17	19.80	67.75	18.51	65.72	18.32	62.33	18.14	60.97	17.95	
	15	13.7	73.85	19.88	73.17	19.70	67.75	18.41	65.72	18.23	62.33	18.04	60.97	17.86	
19	14.2	74.52	19.78	73.17	19.60	67.75	18.32	65.72	18.13	62.33	17.95	60.97	17.77		
21	15	74.52	19.68	73.17	19.50	67.75	18.22	65.72	18.04	62.33	17.86	60.97	17.67		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT042S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	59.17	34.10	58.63	33.78	54.29	31.57	52.66	31.26	49.94	30.94	48.86	30.63	
	-18.80	-19.00	66.57	35.51	65.96	35.18	61.07	32.88	59.24	32.55	56.19	32.23	54.97	31.90	
	-14.7	-15	73.97	35.83	73.29	35.50	67.86	33.17	65.82	32.84	62.43	32.51	61.07	32.18	
	-12.6	-13	79.88	36.14	79.15	35.81	73.29	33.47	71.09	33.13	67.43	32.80	65.96	32.46	
	-10.5	-11	84.32	36.77	83.55	36.43	77.36	34.05	75.04	33.71	71.17	33.37	69.62	33.03	
	-9.5	-10	88.76	37.71	87.95	37.36	81.43	34.92	78.99	34.57	74.92	34.22	73.29	33.87	
	-8.5	-9.1	103.55	38.66	102.60	38.30	95.00	35.79	92.15	35.44	87.40	35.08	85.50	34.72	
	-7	-7.6	110.95	40.23	109.93	39.86	101.79	37.25	98.74	36.88	93.65	36.50	91.61	36.13	
	-5	-5.6	118.35	42.43	117.26	42.03	108.58	39.29	105.32	38.89	99.89	38.50	97.72	38.11	
	-3	-3.7	130.18	41.48	128.99	41.10	119.43	38.41	115.85	38.03	109.88	37.64	107.49	37.26	
	0	-0.7	140.54	37.71	139.25	37.36	128.93	34.92	125.07	34.57	118.62	34.22	116.04	33.87	
	3	2.2	143.50	36.14	142.18	35.81	131.65	33.47	127.70	33.13	121.12	32.80	118.48	32.46	
	5	4.1	147.93	31.43	146.58	31.14	135.72	29.10	131.65	28.81	124.86	28.52	122.15	28.23	
	7	6	150.89	31.11	149.51	30.83	138.43	28.81	134.28	28.52	127.36	28.23	124.59	27.94	
	9	7.9	150.89	30.80	149.51	30.51	138.43	28.52	134.28	28.23	127.36	27.95	124.59	27.66	
	11	9.8	150.89	30.64	149.51	30.36	138.43	28.37	134.28	28.09	127.36	27.81	124.59	27.52	
	13	11.8	150.89	30.49	149.51	30.20	138.43	28.23	134.28	27.94	127.36	27.66	124.59	27.38	
	15	13.7	152.28	30.33	149.51	30.05	138.43	28.08	134.28	27.80	127.36	27.52	124.59	27.24	
19	14.2	152.28	30.17	149.51	29.89	138.43	27.94	134.28	27.66	127.36	27.38	124.59	27.10		
21	15	54.21	33.66	53.71	33.35	49.73	31.16	48.24	30.85	45.75	30.54	44.76	30.23		
120%	-22.90	-23.00	58.60	34.45	58.07	34.13	53.77	31.90	52.15	31.58	49.46	31.26	48.39	30.94	
	-18.80	-19.00	65.93	35.88	65.33	35.55	60.49	33.22	58.67	32.89	55.65	32.56	54.44	32.23	
	-14.7	-15	73.26	36.20	72.58	35.86	67.21	33.52	65.19	33.18	61.83	32.85	60.49	32.51	
	-12.6	-13	79.12	36.51	78.39	36.18	72.58	33.81	70.41	33.47	66.78	33.13	65.33	32.80	
	-10.5	-11	83.51	37.15	82.75	36.81	76.62	34.40	74.32	34.05	70.49	33.71	68.95	33.37	
	-9.5	-10	87.91	38.10	87.10	37.75	80.65	35.28	78.23	34.93	74.20	34.57	72.58	34.22	
	-8.5	-9.1	102.56	39.05	101.62	38.69	94.09	36.16	91.27	35.80	86.56	35.44	84.68	35.08	
	-7	-7.6	109.88	40.64	108.88	40.27	100.81	37.63	97.79	37.26	92.75	36.88	90.73	36.50	
	-5	-5.6	117.21	42.87	116.13	42.47	107.53	39.69	104.31	39.29	98.93	38.90	96.78	38.50	
	-3	-3.7	128.93	41.91	127.75	41.52	118.29	38.81	114.74	38.42	108.82	38.03	106.46	37.64	
	0	-0.7	139.19	38.10	137.91	37.75	127.69	35.28	123.86	34.93	117.48	34.57	114.92	34.22	
	3	2.2	142.12	36.51	140.81	36.18	130.38	33.81	126.47	33.47	119.95	33.13	117.34	32.80	
	5	4.1	146.51	31.75	145.17	31.46	134.42	29.40	130.38	29.11	123.66	28.81	120.97	28.52	
	7	6	149.44	31.43	148.07	31.14	137.10	29.11	132.99	28.81	126.14	28.52	123.39	28.23	
	9	7.9	149.44	31.12	148.07	30.83	137.10	28.81	132.99	28.52	126.14	28.24	123.39	27.95	
	11	9.8	149.44	30.96	148.07	30.67	137.10	28.67	132.99	28.38	126.14	28.09	123.39	27.81	
	13	11.8	149.44	30.80	148.07	30.51	137.10	28.52	132.99	28.23	126.14	27.95	123.39	27.66	
	15	13.7	150.81	30.64	148.07	30.36	137.10	28.37	132.99	28.09	126.14	27.80	123.39	27.52	
19	14.2	150.81	30.48	148.07	30.20	137.10	28.22	132.99	27.94	126.14	27.66	123.39	27.38		
21	15	144.46	29.06	141.83	28.79	131.33	26.91	127.39	26.64	120.82	26.37	118.19	26.10		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT042S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-22.90	-23.00	53.16	34.00	52.67	33.69	48.77	31.48	47.30	31.17	44.87	30.85	43.89	30.54	
	-18.80	-19.00	57.47	34.80	56.94	34.48	52.72	32.22	51.14	31.90	48.50	31.58	47.45	31.26	
	-14.7	-15	64.65	36.25	64.06	35.91	59.31	33.56	57.53	33.23	54.57	32.89	53.38	32.55	
	-12.6	-13	71.83	36.57	71.17	36.23	65.90	33.86	63.93	33.52	60.63	33.18	59.31	32.84	
	-10.5	-11	77.58	36.89	76.87	36.55	71.17	34.16	69.04	33.81	65.48	33.47	64.06	33.13	
	-9.5	-10	81.89	37.53	81.14	37.18	75.13	34.75	72.87	34.40	69.12	34.05	67.62	33.71	
	-8.5	-9.1	86.20	38.49	85.41	38.13	79.08	35.64	76.71	35.28	72.76	34.93	71.17	34.57	
	-7	-7.6	100.57	39.45	99.64	39.09	92.26	36.53	89.50	36.17	84.88	35.80	83.04	35.44	
	-5	-5.6	107.75	41.06	106.76	40.68	98.85	38.02	95.89	37.64	90.95	37.26	88.97	36.88	
	-3	-3.7	114.93	43.30	113.88	42.90	105.44	40.10	102.28	39.69	97.01	39.29	94.90	38.89	
	0	-0.7	126.43	42.34	125.27	41.95	115.99	39.20	112.51	38.81	106.71	38.42	104.39	38.03	
	3	2.2	136.48	38.49	135.23	38.13	125.21	35.64	121.46	35.28	115.20	34.93	112.69	34.57	
	5	4.1	139.36	36.89	138.08	36.55	127.85	34.16	124.02	33.81	117.62	33.47	115.07	33.13	
	7	6	143.67	32.08	142.35	31.78	131.81	29.70	127.85	29.40	121.26	29.11	118.62	28.81	
	9	7.9	146.54	31.76	145.20	31.46	134.44	29.40	130.41	29.11	123.69	28.81	121.00	28.52	
	11	9.8	146.54	31.43	145.20	31.14	134.44	29.11	130.41	28.81	123.69	28.52	121.00	28.23	
	13	11.8	146.54	31.27	145.20	30.98	134.44	28.96	130.41	28.67	123.69	28.38	121.00	28.09	
	15	13.7	146.54	31.11	145.20	30.83	134.44	28.81	130.41	28.52	123.69	28.23	121.00	27.94	
19	14.2	147.89	30.95	145.20	30.67	134.44	28.66	130.41	28.37	123.69	28.09	121.00	27.80		
21	15	147.89	30.79	145.20	30.51	134.44	28.51	130.41	28.23	123.69	27.94	121.00	27.66		
100%	-22.90	-23.00	52.63	34.34	52.15	34.03	48.29	31.80	46.84	31.48	44.42	31.16	43.46	30.85	
	-18.80	-19.00	56.90	35.15	56.38	34.83	52.20	32.55	50.63	32.22	48.02	31.90	46.98	31.57	
	-14.7	-15	64.01	36.61	63.42	36.27	58.73	33.90	56.96	33.56	54.03	33.22	52.85	32.88	
	-12.6	-13	71.12	36.94	70.47	36.59	65.25	34.20	63.29	33.86	60.03	33.52	58.73	33.17	
	-10.5	-11	76.81	37.26	76.11	36.92	70.47	34.50	68.36	34.16	64.83	33.81	63.42	33.47	
	-9.5	-10	81.08	37.91	80.34	37.56	74.39	35.10	72.15	34.75	68.43	34.40	66.95	34.05	
	-8.5	-9.1	85.35	38.88	84.56	38.52	78.30	36.00	75.95	35.64	72.04	35.28	70.47	34.92	
	-7	-7.6	99.57	39.85	98.66	39.48	91.35	36.90	88.61	36.53	84.04	36.16	82.22	35.79	
	-5	-5.6	106.68	41.47	105.71	41.09	97.88	38.40	94.94	38.02	90.05	37.63	88.09	37.25	
	-3	-3.7	113.80	43.74	112.75	43.34	104.40	40.50	101.27	40.10	96.05	39.69	93.96	39.29	
	0	-0.7	125.18	42.77	124.03	42.37	114.84	39.60	111.39	39.20	105.65	38.81	103.36	38.41	
	3	2.2	135.13	38.88	133.89	38.52	123.98	36.00	120.26	35.64	114.06	35.28	111.58	34.92	
	5	4.1	137.98	37.26	136.71	36.92	126.59	34.50	122.79	34.16	116.46	33.81	113.93	33.47	
	7	6	142.25	32.40	140.94	32.10	130.50	30.00	126.59	29.70	120.06	29.40	117.45	29.10	
	9	7.9	145.09	32.08	143.76	31.78	133.11	29.70	129.12	29.40	122.46	29.11	119.80	28.81	
	11	9.8	145.09	31.75	143.76	31.46	133.11	29.40	129.12	29.11	122.46	28.81	119.80	28.52	
	13	11.8	145.09	31.59	143.76	31.30	133.11	29.25	129.12	28.96	122.46	28.67	119.80	28.37	
	15	13.7	145.09	31.43	143.76	31.14	133.11	29.10	129.12	28.81	122.46	28.52	119.80	28.23	
19	14.2	146.42	31.27	143.76	30.98	133.11	28.95	129.12	28.66	122.46	28.37	119.80	28.08		
21	15	146.42	31.10	143.76	30.82	133.11	28.80	129.12	28.51	122.46	28.22	119.80	27.94		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT042S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	48.42	31.25	47.98	30.96	44.42	28.94	43.09	28.65	40.87	28.36	39.98	28.07	
	-18.80	-19.00	52.35	31.99	51.87	31.69	48.02	29.62	46.58	29.32	44.18	29.03	43.22	28.73	
	-14.7	-15	58.89	33.32	58.35	33.01	54.03	30.85	52.41	30.54	49.70	30.23	48.62	29.92	
	-12.6	-13	65.43	33.61	64.83	33.30	60.03	31.12	58.23	30.81	55.23	30.50	54.03	30.19	
	-10.5	-11	70.67	33.91	70.02	33.59	64.83	31.40	62.89	31.08	59.65	30.77	58.35	30.45	
	-9.5	-10	74.59	34.50	73.91	34.18	68.43	31.94	66.38	31.62	62.96	31.30	61.59	30.98	
	-8.5	-9.1	78.52	35.38	77.80	35.05	72.04	32.76	69.87	32.43	66.27	32.10	64.83	31.78	
	-7	-7.6	91.61	36.27	90.77	35.93	84.04	33.58	81.52	33.24	77.32	32.91	75.64	32.57	
	-5	-5.6	98.15	37.74	97.25	37.39	90.05	34.94	87.34	34.59	82.84	34.25	81.04	33.90	
	-3	-3.7	104.69	39.80	103.73	39.43	96.05	36.86	93.17	36.49	88.36	36.12	86.44	35.75	
	0	-0.7	115.16	38.92	114.11	38.56	105.65	36.04	102.48	35.68	97.20	35.32	95.09	34.95	
	3	2.2	124.32	35.38	123.18	35.05	114.06	32.76	110.64	32.43	104.93	32.10	102.65	31.78	
	5	4.1	126.94	33.91	125.77	33.59	116.46	31.40	112.96	31.08	107.14	30.77	104.81	30.45	
	7	6	130.87	29.48	129.66	29.21	120.06	27.30	116.46	27.03	110.46	26.75	108.05	26.48	
	9	7.9	133.48	29.19	132.26	28.92	122.46	27.03	118.79	26.76	112.66	26.49	110.22	26.22	
	11	9.8	133.48	28.89	132.26	28.63	122.46	26.75	118.79	26.49	112.66	26.22	110.22	25.95	
	13	11.8	133.48	28.75	132.26	28.48	122.46	26.62	118.79	26.35	112.66	26.09	110.22	25.82	
	15	13.7	133.48	28.60	132.26	28.33	122.46	26.48	118.79	26.22	112.66	25.95	110.22	25.69	
19	14.2	134.71	28.45	132.26	28.19	122.46	26.34	118.79	26.08	112.66	25.82	110.22	25.55		
21	15	134.71	28.30	132.26	28.04	122.46	26.21	118.79	25.95	112.66	25.68	110.22	25.42		
80%	-22.90	-23.00	42.63	25.31	42.24	25.08	39.11	23.44	37.94	23.21	35.98	22.97	35.20	22.74	
	-18.80	-19.00	46.09	25.91	45.66	25.67	42.28	23.99	41.01	23.75	38.90	23.51	38.05	23.27	
	-14.7	-15	51.85	26.99	51.37	26.74	47.57	24.99	46.14	24.74	43.76	24.49	42.81	24.24	
	-12.6	-13	57.61	27.23	57.08	26.97	52.85	25.21	51.27	24.96	48.62	24.70	47.57	24.45	
	-10.5	-11	62.22	27.46	61.65	27.21	57.08	25.43	55.37	25.18	52.51	24.92	51.37	24.67	
	-9.5	-10	65.67	27.94	65.07	27.68	60.25	25.87	58.44	25.61	55.43	25.35	54.23	25.10	
	-8.5	-9.1	69.13	28.66	68.50	28.39	63.42	26.54	61.52	26.27	58.35	26.00	57.08	25.74	
	-7	-7.6	80.65	29.37	79.91	29.10	73.99	27.20	71.77	26.93	68.07	26.66	66.59	26.38	
	-5	-5.6	86.41	30.57	85.62	30.29	79.28	28.30	76.90	28.02	72.94	27.74	71.35	27.46	
	-3	-3.7	92.17	32.24	91.33	31.94	84.56	29.85	82.03	29.55	77.80	29.26	76.11	28.96	
	0	-0.7	101.39	31.52	100.46	31.23	93.02	29.19	90.23	28.90	85.58	28.61	83.72	28.31	
	3	2.2	109.46	28.66	108.45	28.39	100.42	26.54	97.41	26.27	92.39	26.00	90.38	25.74	
	5	4.1	111.76	27.46	110.74	27.21	102.53	25.43	99.46	25.18	94.33	24.92	92.28	24.67	
	7	6	115.22	23.88	114.16	23.66	105.71	22.11	102.53	21.89	97.25	21.67	95.13	21.45	
	9	7.9	117.52	23.64	116.44	23.42	107.82	21.89	104.58	21.67	99.19	21.45	97.04	21.24	
	11	9.8	117.52	23.40	116.44	23.19	107.82	21.67	104.58	21.45	99.19	21.24	97.04	21.02	
	13	11.8	117.52	23.28	116.44	23.07	107.82	21.56	104.58	21.34	99.19	21.13	97.04	20.91	
	15	13.7	117.52	23.17	116.44	22.95	107.82	21.45	104.58	21.24	99.19	21.02	97.04	20.81	
19	14.2	118.60	23.05	116.44	22.83	107.82	21.34	104.58	21.13	99.19	20.91	97.04	20.70		
21	15	118.60	22.93	116.44	22.71	107.82	21.23	104.58	21.02	99.19	20.80	97.04	20.59		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT042S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	36.84	24.04	36.50	23.82	33.80	22.26	32.79	22.04	31.10	21.81	30.42	21.59	
	-18.80	-19.00	39.83	24.61	39.46	24.38	36.54	22.79	35.44	22.56	33.62	22.33	32.89	22.10	
	-14.7	-15	44.81	25.63	44.40	25.39	41.11	23.73	39.87	23.49	37.82	23.26	37.00	23.02	
	-12.6	-13	49.79	25.86	49.33	25.62	45.68	23.94	44.30	23.70	42.02	23.46	41.11	23.22	
	-10.5	-11	53.77	26.08	53.28	25.84	49.33	24.15	47.85	23.91	45.38	23.67	44.40	23.43	
	-9.5	-10	56.76	26.54	56.24	26.29	52.07	24.57	50.51	24.32	47.90	24.08	46.86	23.83	
	-8.5	-9.1	59.74	27.22	59.19	26.96	54.81	25.20	53.17	24.95	50.43	24.70	49.33	24.44	
	-7	-7.6	69.70	27.90	69.06	27.64	63.95	25.83	62.03	25.57	58.83	25.31	57.55	25.06	
	-5	-5.6	74.68	29.03	73.99	28.76	68.51	26.88	66.46	26.61	63.03	26.34	61.66	26.07	
	-3	-3.7	79.66	30.62	78.93	30.33	73.08	28.35	70.89	28.07	67.23	27.78	65.77	27.50	
	0	-0.7	87.62	29.94	86.82	29.66	80.39	27.72	77.98	27.44	73.96	27.17	72.35	26.89	
	3	2.2	94.59	27.22	93.73	26.96	86.78	25.20	84.18	24.95	79.84	24.70	78.10	24.44	
	5	4.1	96.58	26.08	95.70	25.84	88.61	24.15	85.95	23.91	81.52	23.67	79.75	23.43	
	7	6	99.57	22.68	98.66	22.47	91.35	21.00	88.61	20.79	84.04	20.58	82.22	20.37	
	9	7.9	101.56	22.45	100.63	22.25	93.18	20.79	90.38	20.58	85.72	20.37	83.86	20.17	
	11	9.8	101.56	22.23	100.63	22.02	93.18	20.58	90.38	20.37	85.72	20.17	83.86	19.96	
	13	11.8	101.56	22.11	100.63	21.91	93.18	20.48	90.38	20.27	85.72	20.07	83.86	19.86	
	15	13.7	101.56	22.00	100.63	21.80	93.18	20.37	90.38	20.17	85.72	19.96	83.86	19.76	
19	14.2	102.49	21.89	100.63	21.68	93.18	20.27	90.38	20.06	85.72	19.86	83.86	19.66		
21	15	102.49	21.77	100.63	21.57	93.18	20.16	90.38	19.96	85.72	19.76	83.86	19.56		
60%	-22.90	-23.00	33.16	21.29	32.85	21.10	30.42	19.72	29.51	19.52	27.99	19.32	27.38	19.12	
	-18.80	-19.00	35.85	21.80	35.52	21.59	32.89	20.18	31.90	19.98	30.26	19.78	29.60	19.58	
	-14.7	-15	40.33	22.70	39.96	22.49	37.00	21.02	35.89	20.81	34.04	20.60	33.30	20.39	
	-12.6	-13	44.81	22.90	44.40	22.69	41.11	21.20	39.87	20.99	37.82	20.78	37.00	20.57	
	-10.5	-11	48.39	23.10	47.95	22.89	44.40	21.39	43.06	21.18	40.84	20.96	39.96	20.75	
	-9.5	-10	51.08	23.50	50.61	23.29	46.86	21.76	45.46	21.54	43.11	21.33	42.18	21.11	
	-8.5	-9.1	53.77	24.11	53.28	23.88	49.33	22.32	47.85	22.10	45.38	21.87	44.40	21.65	
	-7	-7.6	62.73	24.71	62.15	24.48	57.55	22.88	55.82	22.65	52.95	22.42	51.80	22.19	
	-5	-5.6	67.21	25.71	66.59	25.47	61.66	23.81	59.81	23.57	56.73	23.33	55.50	23.09	
	-3	-3.7	71.69	27.12	71.03	26.87	65.77	25.11	63.80	24.86	60.51	24.61	59.19	24.36	
	0	-0.7	78.86	26.52	78.14	26.27	72.35	24.55	70.18	24.31	66.56	24.06	65.11	23.82	
	3	2.2	85.13	24.11	84.35	23.88	78.10	22.32	75.76	22.10	71.86	21.87	70.29	21.65	
	5	4.1	86.93	23.10	86.13	22.89	79.75	21.39	77.36	21.18	73.37	20.96	71.77	20.75	
	7	6	89.61	20.09	88.79	19.90	82.22	18.60	79.75	18.41	75.64	18.23	73.99	18.04	
	9	7.9	91.41	19.89	90.57	19.70	83.86	18.41	81.34	18.23	77.15	18.05	75.47	17.86	
	11	9.8	91.41	19.69	90.57	19.50	83.86	18.23	81.34	18.05	77.15	17.86	75.47	17.68	
	13	11.8	91.41	19.59	90.57	19.40	83.86	18.14	81.34	17.95	77.15	17.77	75.47	17.59	
	15	13.7	91.41	19.49	90.57	19.30	83.86	18.04	81.34	17.86	77.15	17.68	75.47	17.50	
19	14.2	92.25	19.38	90.57	19.21	83.86	17.95	81.34	17.77	77.15	17.59	75.47	17.41		
21	15	92.25	19.28	90.57	19.11	83.86	17.86	81.34	17.68	77.15	17.50	75.47	17.32		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT042S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	28.42	22.32	28.16	22.12	26.07	20.67	25.29	20.46	23.99	20.26	23.47	20.05	
	-18.80	-19.00	30.72	22.85	30.44	22.64	28.19	21.16	27.34	20.95	25.93	20.73	25.37	20.52	
	-14.7	-15	34.57	23.80	34.25	23.58	31.71	22.04	30.76	21.81	29.17	21.59	28.54	21.37	
	-12.6	-13	38.41	24.01	38.05	23.79	35.24	22.23	34.18	22.01	32.42	21.79	31.71	21.56	
	-10.5	-11	41.48	24.22	41.10	23.99	38.05	22.43	36.91	22.20	35.01	21.98	34.25	21.75	
	-9.5	-10	43.78	24.64	43.38	24.41	40.17	22.82	38.96	22.59	36.95	22.36	36.15	22.13	
	-8.5	-9.1	46.09	25.27	45.66	25.04	42.28	23.40	41.01	23.17	38.90	22.93	38.05	22.70	
	-7	-7.6	53.77	25.90	53.28	25.66	49.33	23.99	47.85	23.75	45.38	23.51	44.40	23.27	
	-5	-5.6	57.61	26.96	57.08	26.71	52.85	24.96	51.27	24.71	48.62	24.46	47.57	24.21	
	-3	-3.7	61.45	28.43	60.89	28.17	56.38	26.33	54.68	26.06	51.87	25.80	50.74	25.54	
	0	-0.7	67.59	27.80	66.97	27.54	62.01	25.74	60.15	25.48	57.05	25.23	55.81	24.97	
	3	2.2	72.97	25.27	72.30	25.04	66.95	23.40	64.94	23.17	61.59	22.93	60.25	22.70	
	5	4.1	74.51	24.22	73.82	23.99	68.36	22.43	66.31	22.20	62.89	21.98	61.52	21.75	
	7	6	76.81	21.06	76.11	20.87	70.47	19.50	68.36	19.31	64.83	19.11	63.42	18.92	
	9	7.9	78.35	20.85	77.63	20.66	71.88	19.31	69.72	19.11	66.13	18.92	64.69	18.73	
	11	9.8	78.35	20.64	77.63	20.45	71.88	19.11	69.72	18.92	66.13	18.73	64.69	18.54	
	13	11.8	78.35	20.53	77.63	20.34	71.88	19.01	69.72	18.82	66.13	18.63	64.69	18.44	
15	13.7	78.35	20.43	77.63	20.24	71.88	18.92	69.72	18.73	66.13	18.54	64.69	18.35		
19	14.2	79.07	20.32	77.63	20.13	71.88	18.82	69.72	18.63	66.13	18.44	64.69	18.25		
21	15	79.07	20.22	77.63	20.03	71.88	18.72	69.72	18.53	66.13	18.35	64.69	18.16		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT044S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	57.88	34.20	57.35	33.89	53.10	31.67	51.51	31.35	48.85	31.04	47.79	30.72	
	-18.80	-19.00	62.57	35.01	62.00	34.68	57.41	32.42	55.69	32.09	52.82	31.77	51.67	31.44	
	-14.7	-15	70.40	36.46	69.75	36.12	64.58	33.76	62.65	33.42	59.42	33.08	58.13	32.75	
	-12.6	-13	78.22	36.78	77.50	36.44	71.76	34.06	69.61	33.72	66.02	33.38	64.58	33.04	
	-10.5	-11	84.48	37.11	83.70	36.76	77.50	34.36	75.18	34.01	71.30	33.67	69.75	33.33	
	-9.5	-10	89.17	37.75	88.35	37.40	81.81	34.95	79.35	34.61	75.26	34.26	73.63	33.91	
	-8.5	-9.1	93.86	38.72	93.00	38.36	86.11	35.85	83.53	35.49	79.22	35.13	77.50	34.78	
	-7	-7.6	109.51	39.69	108.50	39.32	100.46	36.75	97.45	36.38	92.43	36.01	90.42	35.65	
	-5	-5.6	117.33	41.30	116.25	40.92	107.64	38.24	104.41	37.86	99.03	37.48	96.88	37.09	
	-3	-3.7	125.15	43.56	124.00	43.16	114.82	40.33	111.37	39.93	105.63	39.53	103.33	39.12	
	0	-0.7	137.66	42.59	136.40	42.20	126.30	39.44	122.51	39.04	116.19	38.65	113.67	38.25	
	3	2.2	148.61	38.72	147.25	38.36	136.34	35.85	132.25	35.49	125.44	35.13	122.71	34.78	
	5	4.1	151.74	37.11	150.35	36.76	139.21	34.36	135.04	34.01	128.08	33.67	125.29	33.33	
	7	6	156.44	32.27	155.00	31.97	143.52	29.88	139.21	29.58	132.04	29.28	129.17	28.98	
	9	7.9	159.57	31.94	158.10	31.65	146.39	29.58	142.00	29.28	134.68	28.99	131.75	28.69	
	11	9.8	159.57	31.62	158.10	31.33	146.39	29.28	142.00	28.99	134.68	28.69	131.75	28.40	
	13	11.8	159.57	31.46	158.10	31.17	146.39	29.13	142.00	28.84	134.68	28.55	131.75	28.26	
	15	13.7	159.57	31.30	158.10	31.01	146.39	28.98	142.00	28.69	134.68	28.40	131.75	28.11	
19	14.2	161.03	31.14	158.10	30.85	146.39	28.83	142.00	28.54	134.68	28.25	131.75	27.97		
21	15	161.03	30.98	158.10	30.69	146.39	28.68	142.00	28.39	134.68	28.11	131.75	27.82		
120%	-22.90	-23.00	57.33	34.55	56.80	34.23	52.59	32.00	51.01	31.68	48.38	31.36	47.33	31.04	
	-18.80	-19.00	61.97	35.37	61.40	35.04	56.86	32.75	55.15	32.42	52.31	32.09	51.17	31.77	
	-14.7	-15	69.72	36.84	69.08	36.50	63.96	34.11	62.04	33.77	58.85	33.43	57.57	33.08	
	-12.6	-13	77.47	37.16	76.76	36.82	71.07	34.41	68.94	34.07	65.38	33.72	63.96	33.38	
	-10.5	-11	83.66	37.49	82.90	37.14	76.76	34.71	74.45	34.36	70.62	34.02	69.08	33.67	
	-9.5	-10	88.31	38.14	87.50	37.79	81.02	35.32	78.59	34.96	74.54	34.61	72.92	34.26	
	-8.5	-9.1	92.96	39.12	92.11	38.76	85.28	36.22	82.73	35.86	78.46	35.50	76.76	35.13	
	-7	-7.6	108.45	40.10	107.46	39.73	99.50	37.13	96.51	36.76	91.54	36.38	89.55	36.01	
	-5	-5.6	116.20	41.73	115.13	41.34	106.61	38.64	103.41	38.25	98.08	37.86	95.94	37.48	
	-3	-3.7	123.95	44.01	122.81	43.60	113.71	40.75	110.30	40.34	104.62	39.93	102.34	39.53	
	0	-0.7	136.34	43.03	135.09	42.63	125.08	39.84	121.33	39.44	115.08	39.05	112.57	38.65	
	3	2.2	147.19	39.12	145.84	38.76	135.03	36.22	130.98	35.86	124.23	35.50	121.53	35.13	
	5	4.1	150.28	37.49	148.91	37.14	137.88	34.71	133.74	34.36	126.85	34.02	124.09	33.67	
	7	6	154.93	32.60	153.51	32.30	142.14	30.18	137.88	29.88	130.77	29.58	127.93	29.28	
	9	7.9	158.03	32.27	156.58	31.97	144.98	29.88	140.63	29.58	133.38	29.28	130.48	28.99	
	11	9.8	158.03	31.95	156.58	31.65	144.98	29.58	140.63	29.28	133.38	28.99	130.48	28.69	
	13	11.8	158.03	31.78	156.58	31.49	144.98	29.43	140.63	29.14	133.38	28.84	130.48	28.55	
	15	13.7	158.03	31.62	156.58	31.33	144.98	29.28	140.63	28.99	133.38	28.69	130.48	28.40	
19	14.2	159.48	31.46	156.58	31.17	144.98	29.13	140.63	28.84	133.38	28.55	130.48	28.25		
21	15	159.48	31.29	156.58	31.01	144.98	28.98	140.63	28.69	133.38	28.40	130.48	28.11		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT044S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	56.21	34.91	55.70	34.58	51.57	32.32	50.02	32.00	47.44	31.68	46.41	31.35	
	-18.80	-19.00	60.77	35.73	60.21	35.40	55.75	33.08	54.08	32.75	51.29	32.42	50.18	32.09	
	-14.7	-15	68.37	37.21	67.74	36.87	62.72	34.46	60.84	34.11	57.70	33.77	56.45	33.42	
	-12.6	-13	75.96	37.54	75.27	37.19	69.69	34.76	67.60	34.41	64.11	34.07	62.72	33.72	
	-10.5	-11	82.04	37.87	81.29	37.52	75.27	35.07	73.01	34.72	69.24	34.36	67.74	34.01	
	-9.5	-10	86.60	38.53	85.80	38.17	79.45	35.68	77.06	35.32	73.09	34.96	71.50	34.61	
	-8.5	-9.1	91.15	39.52	90.32	39.15	83.63	36.59	81.12	36.22	76.94	35.86	75.27	35.49	
	-7	-7.6	106.35	40.51	105.37	40.13	97.57	37.51	94.64	37.13	89.76	36.76	87.81	36.38	
	-5	-5.6	113.94	42.15	112.90	41.76	104.54	39.03	101.40	38.64	96.17	38.25	94.08	37.86	
	-3	-3.7	121.54	44.46	120.42	44.05	111.50	41.16	108.16	40.75	102.58	40.34	100.35	39.93	
	0	-0.7	133.69	43.47	132.47	43.07	122.65	40.25	118.97	39.85	112.84	39.44	110.39	39.04	
	3	2.2	144.33	39.52	143.00	39.15	132.41	36.59	128.44	36.22	121.82	35.86	119.17	35.49	
	5	4.1	147.37	37.87	146.01	37.52	135.20	35.07	131.14	34.72	124.38	34.36	121.68	34.01	
	7	6	151.92	32.93	150.53	32.63	139.38	30.49	135.20	30.19	128.23	29.88	125.44	29.58	
	9	7.9	154.96	32.60	153.54	32.30	142.17	30.19	137.90	29.89	130.79	29.58	127.95	29.28	
	11	9.8	154.96	32.27	153.54	31.97	142.17	29.88	137.90	29.58	130.79	29.28	127.95	28.99	
	13	11.8	154.96	32.11	153.54	31.81	142.17	29.73	137.90	29.43	130.79	29.14	127.95	28.84	
	15	13.7	154.96	31.94	153.54	31.65	142.17	29.58	137.90	29.28	130.79	28.99	127.95	28.69	
19	14.2	156.38	31.78	153.54	31.48	142.17	29.42	137.90	29.13	130.79	28.84	127.95	28.54		
21	15	156.38	31.61	153.54	31.32	142.17	29.27	137.90	28.98	130.79	28.69	127.95	28.39		
100%	-22.90	-23.00	55.66	35.26	55.14	34.93	51.06	32.65	49.53	32.32	46.98	32.00	45.95	31.67	
	-18.80	-19.00	60.17	36.09	59.62	35.76	55.20	33.42	53.54	33.08	50.78	32.75	49.68	32.42	
	-14.7	-15	67.69	37.59	67.07	37.24	62.10	34.80	60.24	34.46	57.13	34.11	55.89	33.76	
	-12.6	-13	75.21	37.92	74.52	37.57	69.00	35.11	66.93	34.76	63.48	34.41	62.10	34.06	
	-10.5	-11	81.23	38.25	80.48	37.90	74.52	35.42	72.28	35.07	68.56	34.71	67.07	34.36	
	-9.5	-10	85.74	38.92	84.95	38.56	78.66	36.04	76.30	35.68	72.37	35.32	70.79	34.95	
	-8.5	-9.1	90.25	39.92	89.42	39.55	82.80	36.96	80.32	36.59	76.18	36.22	74.52	35.85	
	-7	-7.6	105.29	40.91	104.33	40.54	96.60	37.88	93.70	37.51	88.87	37.13	86.94	36.75	
	-5	-5.6	112.82	42.58	111.78	42.18	103.50	39.42	100.40	39.03	95.22	38.64	93.15	38.24	
	-3	-3.7	120.34	44.91	119.23	44.49	110.40	41.58	107.09	41.16	101.57	40.75	99.36	40.33	
	0	-0.7	132.37	43.91	131.16	43.50	121.44	40.66	117.80	40.25	111.72	39.84	109.30	39.44	
	3	2.2	142.90	39.92	141.59	39.55	131.10	36.96	127.17	36.59	120.61	36.22	117.99	35.85	
	5	4.1	145.91	38.25	144.57	37.90	133.86	35.42	129.84	35.07	123.15	34.71	120.47	34.36	
	7	6	150.42	33.26	149.04	32.96	138.00	30.80	133.86	30.49	126.96	30.18	124.20	29.88	
	9	7.9	153.43	32.93	152.02	32.63	140.76	30.49	136.54	30.19	129.50	29.88	126.68	29.58	
	11	9.8	153.43	32.60	152.02	32.30	140.76	30.18	136.54	29.88	129.50	29.58	126.68	29.28	
	13	11.8	153.43	32.43	152.02	32.13	140.76	30.03	136.54	29.73	129.50	29.43	126.68	29.13	
	15	13.7	153.43	32.27	152.02	31.97	140.76	29.88	136.54	29.58	129.50	29.28	126.68	28.98	
19	14.2	154.84	32.10	152.02	31.80	140.76	29.72	136.54	29.42	129.50	29.13	126.68	28.83		
21	15	154.84	31.93	152.02	31.64	140.76	29.57	136.54	29.27	129.50	28.98	126.68	28.68		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT044S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-22.90	-23.00	51.20	32.09	50.73	31.79	46.98	29.71	45.57	29.41	43.22	29.12	42.28	28.82	
	-18.80	-19.00	55.35	32.84	54.85	32.54	50.78	30.41	49.26	30.11	46.72	29.80	45.71	29.50	
	-14.7	-15	62.27	34.21	61.70	33.89	57.13	31.67	55.42	31.35	52.56	31.04	51.42	30.72	
	-12.6	-13	69.19	34.51	68.56	34.19	63.48	31.95	61.58	31.63	58.40	31.31	57.13	30.99	
	-10.5	-11	74.73	34.81	74.04	34.49	68.56	32.23	66.50	31.91	63.07	31.59	61.70	31.27	
	-9.5	-10	78.88	35.42	78.16	35.09	72.37	32.79	70.20	32.46	66.58	32.14	65.13	31.81	
	-8.5	-9.1	83.03	36.32	82.27	35.99	76.18	33.63	73.89	33.30	70.08	32.96	68.56	32.62	
	-7	-7.6	96.87	37.23	95.98	36.89	88.87	34.47	86.21	34.13	81.76	33.78	79.98	33.44	
	-5	-5.6	103.79	38.75	102.84	38.39	95.22	35.88	92.36	35.52	87.60	35.16	85.70	34.80	
	-3	-3.7	110.71	40.86	109.69	40.49	101.57	37.84	98.52	37.46	93.44	37.08	91.41	36.70	
	0	-0.7	121.78	39.96	120.66	39.59	111.72	37.00	108.37	36.63	102.79	36.26	100.55	35.89	
	3	2.2	131.47	36.32	130.26	35.99	120.61	33.63	116.99	33.30	110.96	32.96	108.55	32.62	
	5	4.1	134.23	34.81	133.00	34.49	123.15	32.23	119.46	31.91	113.30	31.59	110.84	31.27	
	7	6	138.39	30.27	137.12	29.99	126.96	28.03	123.15	27.75	116.80	27.47	114.26	27.19	
	9	7.9	141.15	29.97	139.86	29.69	129.50	27.75	125.61	27.47	119.14	27.19	116.55	26.92	
	11	9.8	141.15	29.66	139.86	29.39	129.50	27.47	125.61	27.19	119.14	26.92	116.55	26.64	
	13	11.8	141.15	29.51	139.86	29.24	129.50	27.33	125.61	27.05	119.14	26.78	116.55	26.51	
	15	13.7	141.15	29.36	139.86	29.09	129.50	27.19	125.61	26.92	119.14	26.64	116.55	26.37	
19	14.2	142.45	29.21	139.86	28.94	129.50	27.05	125.61	26.78	119.14	26.51	116.55	26.24		
21	15	142.45	29.06	139.86	28.79	129.50	26.91	125.61	26.64	119.14	26.37	116.55	26.10		
80%	-22.90	-23.00	45.08	25.99	44.67	25.75	41.36	24.06	40.12	23.82	38.05	23.58	37.22	23.34	
	-18.80	-19.00	48.74	26.60	48.29	26.36	44.71	24.63	43.37	24.39	41.14	24.14	40.24	23.89	
	-14.7	-15	54.83	27.71	54.33	27.45	50.30	25.65	48.79	25.40	46.28	25.14	45.27	24.88	
	-12.6	-13	60.92	27.95	60.36	27.69	55.89	25.88	54.21	25.62	51.42	25.36	50.30	25.10	
	-10.5	-11	65.79	28.20	65.19	27.94	60.36	26.11	58.55	25.85	55.53	25.59	54.33	25.32	
	-9.5	-10	69.45	28.69	68.81	28.42	63.71	26.56	61.80	26.30	58.62	26.03	57.34	25.77	
	-8.5	-9.1	73.10	29.42	72.43	29.15	67.07	27.24	65.06	26.97	61.70	26.70	60.36	26.43	
	-7	-7.6	85.29	30.16	84.51	29.88	78.25	27.92	75.90	27.65	71.99	27.37	70.42	27.09	
	-5	-5.6	91.38	31.38	90.54	31.09	83.84	29.06	81.32	28.77	77.13	28.48	75.45	28.19	
	-3	-3.7	97.47	33.10	96.58	32.79	89.42	30.65	86.74	30.34	82.27	30.04	80.48	29.73	
	0	-0.7	107.22	32.36	106.24	32.07	98.37	29.97	95.42	29.67	90.50	29.37	88.53	29.07	
	3	2.2	115.75	29.42	114.69	29.15	106.19	27.24	103.01	26.97	97.70	26.70	95.57	26.43	
	5	4.1	118.18	28.20	117.10	27.94	108.43	26.11	105.17	25.85	99.75	25.59	97.58	25.32	
	7	6	121.84	24.52	120.72	24.29	111.78	22.70	108.43	22.48	102.84	22.25	100.60	22.02	
	9	7.9	124.28	24.27	123.14	24.05	114.02	22.48	110.60	22.25	104.89	22.03	102.61	21.80	
	11	9.8	124.28	24.03	123.14	23.81	114.02	22.25	110.60	22.03	104.89	21.80	102.61	21.58	
	13	11.8	124.28	23.91	123.14	23.68	114.02	22.14	110.60	21.91	104.89	21.69	102.61	21.47	
	15	13.7	124.28	23.78	123.14	23.56	114.02	22.02	110.60	21.80	104.89	21.58	102.61	21.36	
19	14.2	125.42	23.66	123.14	23.44	114.02	21.91	110.60	21.69	104.89	21.47	102.61	21.25		
21	15	125.42	23.54	123.14	23.32	114.02	21.79	110.60	21.58	104.89	21.36	102.61	21.14		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT044S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	38.96	24.68	38.60	24.45	35.74	22.85	34.67	22.63	32.88	22.40	32.17	22.17	
	-18.80	-19.00	42.12	25.26	41.73	25.03	38.64	23.39	37.48	23.16	35.55	22.92	34.78	22.69	
	-14.7	-15	47.38	26.31	46.95	26.07	43.47	24.36	42.17	24.12	39.99	23.88	39.12	23.63	
	-12.6	-13	52.65	26.54	52.16	26.30	48.30	24.58	46.85	24.33	44.44	24.09	43.47	23.84	
	-10.5	-11	56.86	26.78	56.34	26.53	52.16	24.79	50.60	24.55	47.99	24.30	46.95	24.05	
	-9.5	-10	60.02	27.24	59.47	26.99	55.06	25.23	53.41	24.97	50.66	24.72	49.56	24.47	
	-8.5	-9.1	63.18	27.94	62.60	27.68	57.96	25.87	56.22	25.61	53.32	25.35	52.16	25.10	
	-7	-7.6	73.71	28.64	73.03	28.38	67.62	26.52	65.59	26.25	62.21	25.99	60.86	25.72	
	-5	-5.6	78.97	29.80	78.25	29.53	72.45	27.60	70.28	27.32	66.65	27.04	65.21	26.77	
	-3	-3.7	84.24	31.43	83.46	31.14	77.28	29.11	74.96	28.81	71.10	28.52	69.55	28.23	
	0	-0.7	92.66	30.74	91.81	30.45	85.01	28.46	82.46	28.17	78.21	27.89	76.51	27.61	
	3	2.2	100.03	27.94	99.11	27.68	91.77	25.87	89.02	25.61	84.43	25.35	82.59	25.10	
	5	4.1	102.14	26.78	101.20	26.53	93.70	24.79	90.89	24.55	86.21	24.30	84.33	24.05	
	7	6	105.29	23.28	104.33	23.07	96.60	21.56	93.70	21.34	88.87	21.13	86.94	20.91	
	9	7.9	107.40	23.05	106.41	22.84	98.53	21.34	95.58	21.13	90.65	20.92	88.68	20.70	
	11	9.8	107.40	22.82	106.41	22.61	98.53	21.13	95.58	20.92	90.65	20.71	88.68	20.49	
	13	11.8	107.40	22.70	106.41	22.49	98.53	21.02	95.58	20.81	90.65	20.60	88.68	20.39	
	15	13.7	107.40	22.59	106.41	22.38	98.53	20.91	95.58	20.70	90.65	20.49	88.68	20.29	
19	14.2	108.39	22.47	106.41	22.26	98.53	20.81	95.58	20.60	90.65	20.39	88.68	20.18		
21	15	108.39	22.35	106.41	22.15	98.53	20.70	95.58	20.49	90.65	20.28	88.68	20.08		
60%	-22.90	-23.00	35.06	21.86	34.74	21.66	32.17	20.24	31.20	20.04	29.59	19.84	28.95	19.63	
	-18.80	-19.00	37.91	22.38	37.56	22.17	34.78	20.72	33.73	20.51	31.99	20.30	31.30	20.10	
	-14.7	-15	42.64	23.30	42.25	23.09	39.12	21.58	37.95	21.36	35.99	21.15	35.21	20.93	
	-12.6	-13	47.38	23.51	46.95	23.29	43.47	21.77	42.17	21.55	39.99	21.33	39.12	21.12	
	-10.5	-11	51.17	23.72	50.70	23.50	46.95	21.96	45.54	21.74	43.19	21.52	42.25	21.30	
	-9.5	-10	54.02	24.13	53.52	23.91	49.56	22.34	48.07	22.12	45.59	21.90	44.60	21.67	
	-8.5	-9.1	56.86	24.75	56.34	24.52	52.16	22.92	50.60	22.69	47.99	22.46	46.95	22.23	
	-7	-7.6	66.34	25.37	65.73	25.13	60.86	23.49	59.03	23.25	55.99	23.02	54.77	22.78	
	-5	-5.6	71.07	26.40	70.42	26.15	65.21	24.44	63.25	24.20	59.99	23.95	58.68	23.71	
	-3	-3.7	75.81	27.84	75.12	27.58	69.55	25.78	67.47	25.52	63.99	25.26	62.60	25.01	
	0	-0.7	83.39	27.22	82.63	26.97	76.51	25.21	74.21	24.95	70.39	24.70	68.86	24.45	
	3	2.2	90.03	24.75	89.20	24.52	82.59	22.92	80.12	22.69	75.99	22.46	74.33	22.23	
	5	4.1	91.92	23.72	91.08	23.50	84.33	21.96	81.80	21.74	77.59	21.52	75.90	21.30	
	7	6	94.76	20.62	93.90	20.43	86.94	19.10	84.33	18.91	79.98	18.71	78.25	18.52	
	9	7.9	96.66	20.42	95.77	20.23	88.68	18.91	86.02	18.72	81.58	18.53	79.81	18.34	
	11	9.8	96.66	20.21	95.77	20.02	88.68	18.71	86.02	18.53	81.58	18.34	79.81	18.15	
	13	11.8	96.66	20.11	95.77	19.92	88.68	18.62	86.02	18.43	81.58	18.25	79.81	18.06	
	15	13.7	96.66	20.00	95.77	19.82	88.68	18.52	86.02	18.34	81.58	18.15	79.81	17.97	
19	14.2	97.55	19.90	95.77	19.72	88.68	18.43	86.02	18.24	81.58	18.06	79.81	17.87		
21	15	97.55	19.80	95.77	19.62	88.68	18.33	86.02	18.15	81.58	17.97	79.81	17.78		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT044S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	30.05	22.92	29.78	22.71	27.57	21.22	26.75	21.01	25.37	20.80	24.82	20.58	
	-18.80	-19.00	32.49	23.46	32.19	23.24	29.81	21.72	28.91	21.50	27.42	21.29	26.83	21.07	
	-14.7	-15	36.55	24.43	36.22	24.21	33.53	22.62	32.53	22.40	30.85	22.17	30.18	21.94	
	-12.6	-13	40.61	24.65	40.24	24.42	37.26	22.82	36.14	22.59	34.28	22.37	33.53	22.14	
	-10.5	-11	43.86	24.86	43.46	24.63	40.24	23.02	39.03	22.79	37.02	22.56	36.22	22.33	
	-9.5	-10	46.30	25.30	45.87	25.06	42.48	23.42	41.20	23.19	39.08	22.95	38.23	22.72	
	-8.5	-9.1	48.74	25.95	48.29	25.71	44.71	24.02	43.37	23.78	41.14	23.54	40.24	23.30	
	-7	-7.6	56.86	26.59	56.34	26.35	52.16	24.62	50.60	24.38	47.99	24.13	46.95	23.89	
	-5	-5.6	60.92	27.68	60.36	27.42	55.89	25.63	54.21	25.37	51.42	25.11	50.30	24.86	
	-3	-3.7	64.98	29.19	64.39	28.92	59.62	27.03	57.83	26.76	54.85	26.49	53.65	26.22	
	0	-0.7	71.48	28.54	70.82	28.28	65.58	26.43	63.61	26.16	60.33	25.90	59.02	25.63	
	3	2.2	77.17	25.95	76.46	25.71	70.79	24.02	68.67	23.78	65.13	23.54	63.71	23.30	
	5	4.1	78.79	24.86	78.07	24.63	72.28	23.02	70.12	22.79	66.50	22.56	65.06	22.33	
	7	6	81.23	21.62	80.48	21.42	74.52	20.02	72.28	19.82	68.56	19.62	67.07	19.42	
	9	7.9	82.85	21.41	82.09	21.21	76.01	19.82	73.73	19.62	69.93	19.42	68.41	19.23	
	11	9.8	82.85	21.19	82.09	20.99	76.01	19.62	73.73	19.42	69.93	19.23	68.41	19.03	
	13	11.8	82.85	21.08	82.09	20.89	76.01	19.52	73.73	19.32	69.93	19.13	68.41	18.93	
15	13.7	82.85	20.97	82.09	20.78	76.01	19.42	73.73	19.23	69.93	19.03	68.41	18.84		
19	14.2	83.61	20.86	82.09	20.67	76.01	19.32	73.73	19.13	69.93	18.93	68.41	18.74		
21	15	83.61	20.76	82.09	20.56	76.01	19.22	73.73	19.03	69.93	18.83	68.41	18.64		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT046S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	59.56	35.76	59.01	35.43	54.64	33.11	53.00	32.78	50.27	32.45	49.18	32.11	
	-18.80	-19.00	64.39	36.60	63.80	36.26	59.07	33.89	57.30	33.55	54.35	33.21	53.16	32.87	
	-14.7	-15	72.44	38.12	71.77	37.77	66.46	35.29	64.46	34.94	61.14	34.59	59.81	34.24	
	-12.6	-13	80.49	38.46	79.75	38.10	73.84	35.61	71.62	35.25	67.93	34.89	66.46	34.54	
	-10.5	-11	86.92	38.79	86.13	38.43	79.75	35.92	77.35	35.56	73.37	35.20	71.77	34.84	
	-9.5	-10	91.75	39.47	90.91	39.10	84.18	36.54	81.65	36.18	77.44	35.81	75.76	35.45	
	-8.5	-9.1	96.58	40.48	95.70	40.10	88.61	37.48	85.95	37.11	81.52	36.73	79.75	36.36	
	-7	-7.6	112.68	41.49	111.65	41.11	103.38	38.42	100.27	38.03	95.11	37.65	93.04	37.27	
	-5	-5.6	120.73	43.18	119.62	42.78	110.76	39.98	107.44	39.58	101.90	39.18	99.68	38.78	
	-3	-3.7	128.78	45.54	127.60	45.12	118.14	42.17	114.60	41.74	108.69	41.32	106.33	40.90	
	0	-0.7	141.65	44.53	140.36	44.11	129.96	41.23	126.06	40.82	119.56	40.40	116.96	39.99	
	3	2.2	152.92	40.48	151.52	40.10	140.30	37.48	136.09	37.11	129.07	36.73	126.27	36.36	
	5	4.1	156.14	38.79	154.71	38.43	143.25	35.92	138.95	35.56	131.79	35.20	128.92	34.84	
	7	6	160.97	33.73	159.49	33.42	147.68	31.23	143.25	30.92	135.87	30.61	132.91	30.30	
	9	7.9	164.19	33.40	162.68	33.09	150.63	30.92	146.11	30.61	138.58	30.30	135.57	29.99	
	11	9.8	164.19	33.06	162.68	32.75	150.63	30.61	146.11	30.30	138.58	30.00	135.57	29.69	
	13	11.8	164.19	32.89	162.68	32.58	150.63	30.45	146.11	30.15	138.58	29.84	135.57	29.54	
	15	13.7	164.19	32.72	162.68	32.42	150.63	30.30	146.11	29.99	138.58	29.69	135.57	29.39	
19	14.2	165.70	32.55	162.68	32.25	150.63	30.14	146.11	29.84	138.58	29.54	135.57	29.24		
21	15	165.70	32.38	162.68	32.08	150.63	29.98	146.11	29.68	138.58	29.38	135.57	29.09		
120%	-22.90	-23.00	58.99	36.13	58.45	35.79	54.12	33.45	52.49	33.11	49.79	32.78	48.70	32.45	
	-18.80	-19.00	63.77	36.98	63.18	36.63	58.50	34.24	56.75	33.90	53.82	33.55	52.65	33.21	
	-14.7	-15	71.74	38.51	71.08	38.15	65.82	35.66	63.84	35.30	60.55	34.95	59.24	34.59	
	-12.6	-13	79.71	38.85	78.98	38.49	73.13	35.97	70.94	35.61	67.28	35.25	65.82	34.89	
	-10.5	-11	86.09	39.19	85.30	38.83	78.98	36.29	76.61	35.93	72.66	35.56	71.08	35.20	
	-9.5	-10	90.87	39.87	90.04	39.50	83.37	36.92	80.87	36.55	76.70	36.18	75.03	35.81	
	-8.5	-9.1	95.65	40.90	94.78	40.52	87.76	37.87	85.12	37.49	80.74	37.11	78.98	36.73	
	-7	-7.6	111.60	41.92	110.57	41.53	102.38	38.81	99.31	38.43	94.19	38.04	92.14	37.65	
	-5	-5.6	119.57	43.62	118.47	43.22	109.69	40.39	106.40	39.99	100.92	39.58	98.73	39.18	
	-3	-3.7	127.54	46.01	126.37	45.58	117.01	42.60	113.50	42.17	107.65	41.75	105.31	41.32	
	0	-0.7	140.29	44.99	139.01	44.57	128.71	41.65	124.85	41.24	118.41	40.82	115.84	40.40	
	3	2.2	151.45	40.90	150.06	40.52	138.95	37.87	134.78	37.49	127.83	37.11	125.05	36.73	
	5	4.1	154.64	39.19	153.22	38.83	141.87	36.29	137.62	35.93	130.52	35.56	127.68	35.20	
	7	6	159.42	34.08	157.96	33.76	146.26	31.56	141.87	31.24	134.56	30.92	131.63	30.61	
	9	7.9	162.61	33.74	161.12	33.43	149.19	31.24	144.71	30.93	137.25	30.62	134.27	30.30	
	11	9.8	162.61	33.40	161.12	33.09	149.19	30.92	144.71	30.62	137.25	30.31	134.27	30.00	
	13	11.8	162.61	33.23	161.12	32.92	149.19	30.77	144.71	30.46	137.25	30.15	134.27	29.84	
	15	13.7	162.61	33.06	161.12	32.75	149.19	30.61	144.71	30.30	137.25	30.00	134.27	29.69	
19	14.2	164.10	32.89	161.12	32.58	149.19	30.45	144.71	30.15	137.25	29.84	134.27	29.54		
21	15	164.10	32.72	161.12	32.41	149.19	30.29	144.71	29.99	137.25	29.69	134.27	29.38		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT046S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
110%	-22.90	-23.00	57.84	36.49	57.31	36.16	53.07	33.79	51.47	33.45	48.82	33.11	47.76	32.78	
	-18.80	-19.00	62.53	37.35	61.96	37.01	57.37	34.59	55.65	34.24	52.78	33.90	51.63	33.55	
	-14.7	-15	70.35	38.90	69.70	38.54	64.54	36.02	62.60	35.66	59.38	35.30	58.09	34.94	
	-12.6	-13	78.16	39.25	77.45	38.88	71.71	36.34	69.56	35.98	65.97	35.61	64.54	35.25	
	-10.5	-11	84.42	39.59	83.64	39.23	77.45	36.66	75.12	36.29	71.25	35.93	69.70	35.56	
	-9.5	-10	89.11	40.28	88.29	39.91	81.75	37.30	79.30	36.92	75.21	36.55	73.57	36.18	
	-8.5	-9.1	93.80	41.31	92.94	40.93	86.05	38.25	83.47	37.87	79.17	37.49	77.45	37.11	
	-7	-7.6	109.43	42.35	108.43	41.95	100.39	39.21	97.38	38.82	92.36	38.43	90.35	38.03	
	-5	-5.6	117.25	44.07	116.17	43.66	107.56	40.80	104.34	40.40	98.96	39.99	96.81	39.58	
	-3	-3.7	125.06	46.48	123.91	46.05	114.74	43.04	111.29	42.60	105.56	42.17	103.26	41.74	
	0	-0.7	137.57	45.45	136.31	45.02	126.21	42.08	122.42	41.66	116.11	41.24	113.59	40.82	
	3	2.2	148.51	41.31	147.15	40.93	136.25	38.25	132.16	37.87	125.35	37.49	122.62	37.11	
	5	4.1	151.64	39.59	150.25	39.23	139.12	36.66	134.94	36.29	127.99	35.93	125.21	35.56	
	7	6	156.33	34.43	154.89	34.11	143.42	31.88	139.12	31.56	131.95	31.24	129.08	30.92	
	9	7.9	159.45	34.08	157.99	33.77	146.29	31.56	141.90	31.24	134.59	30.93	131.66	30.61	
	11	9.8	159.45	33.74	157.99	33.43	146.29	31.24	141.90	30.93	134.59	30.62	131.66	30.30	
	13	11.8	159.45	33.57	157.99	33.26	146.29	31.08	141.90	30.77	134.59	30.46	131.66	30.15	
	15	13.7	159.45	33.40	157.99	33.09	146.29	30.92	141.90	30.61	134.59	30.30	131.66	29.99	
19	14.2	160.92	33.22	157.99	32.92	146.29	30.76	141.90	30.45	134.59	30.15	131.66	29.84		
21	15	160.92	33.05	157.99	32.75	146.29	30.60	141.90	30.30	134.59	29.99	131.66	29.68		
100%	-22.90	-23.00	57.27	36.86	56.74	36.52	52.54	34.13	50.96	33.79	48.34	33.45	47.29	33.11	
	-18.80	-19.00	61.91	37.73	61.34	37.38	56.80	34.94	55.10	34.59	52.26	34.24	51.12	33.89	
	-14.7	-15	69.65	39.30	69.01	38.93	63.90	36.39	61.98	36.02	58.79	35.66	57.51	35.29	
	-12.6	-13	77.39	39.64	76.68	39.28	71.00	36.71	68.87	36.34	65.32	35.97	63.90	35.61	
	-10.5	-11	83.58	39.99	82.81	39.62	76.68	37.03	74.38	36.66	70.55	36.29	69.01	35.92	
	-9.5	-10	88.22	40.69	87.42	40.31	80.94	37.67	78.51	37.30	74.46	36.92	72.85	36.54	
	-8.5	-9.1	92.87	41.73	92.02	41.34	85.20	38.64	82.64	38.25	78.38	37.87	76.68	37.48	
	-7	-7.6	108.35	42.77	107.35	42.38	99.40	39.61	96.42	39.21	91.45	38.81	89.46	38.42	
	-5	-5.6	116.08	44.51	115.02	44.10	106.50	41.22	103.30	40.80	97.98	40.39	95.85	39.98	
	-3	-3.7	123.82	46.95	122.69	46.51	113.60	43.47	110.19	43.04	104.51	42.60	102.24	42.17	
	0	-0.7	136.21	45.90	134.96	45.48	124.96	42.50	121.21	42.08	114.96	41.65	112.46	41.23	
	3	2.2	147.04	41.73	145.69	41.34	134.90	38.64	130.85	38.25	124.11	37.87	121.41	37.48	
	5	4.1	150.14	39.99	148.76	39.62	137.74	37.03	133.61	36.66	126.72	36.29	123.97	35.92	
	7	6	154.78	34.78	153.36	34.45	142.00	32.20	137.74	31.88	130.64	31.56	127.80	31.23	
	9	7.9	157.88	34.43	156.43	34.11	144.84	31.88	140.49	31.56	133.25	31.24	130.36	30.92	
	11	9.8	157.88	34.08	156.43	33.76	144.84	31.56	140.49	31.24	133.25	30.92	130.36	30.61	
	13	11.8	157.88	33.91	156.43	33.59	144.84	31.40	140.49	31.08	133.25	30.77	130.36	30.45	
	15	13.7	157.88	33.73	156.43	33.42	144.84	31.23	140.49	30.92	133.25	30.61	130.36	30.30	
19	14.2	159.32	33.56	156.43	33.25	144.84	31.07	140.49	30.76	133.25	30.45	130.36	30.14		
21	15	159.32	33.38	156.43	33.08	144.84	30.91	140.49	30.60	133.25	30.29	130.36	29.98		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT046S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
90%	-22.90	-23.00	52.69	33.54	52.20	33.23	48.34	31.06	46.89	30.75	44.47	30.44	43.50	30.13	
	-18.80	-19.00	56.96	34.34	56.44	34.02	52.26	31.79	50.69	31.47	48.08	31.16	47.03	30.84	
	-14.7	-15	64.08	35.76	63.49	35.43	58.79	33.11	57.02	32.78	54.08	32.45	52.91	32.12	
	-12.6	-13	71.20	36.08	70.55	35.74	65.32	33.40	63.36	33.07	60.09	32.74	58.79	32.40	
	-10.5	-11	76.89	36.39	76.19	36.06	70.55	33.70	68.43	33.36	64.90	33.02	63.49	32.69	
	-9.5	-10	81.17	37.03	80.42	36.68	74.46	34.28	72.23	33.94	68.51	33.60	67.02	33.25	
	-8.5	-9.1	85.44	37.98	84.65	37.62	78.38	35.16	76.03	34.81	72.11	34.46	70.55	34.11	
	-7	-7.6	99.68	38.92	98.76	38.56	91.45	36.04	88.70	35.68	84.13	35.32	82.30	34.96	
	-5	-5.6	106.80	40.51	105.82	40.13	97.98	37.51	95.04	37.13	90.14	36.76	88.18	36.38	
	-3	-3.7	113.92	42.72	112.87	42.33	104.51	39.56	101.38	39.16	96.15	38.77	94.06	38.37	
	0	-0.7	125.31	41.77	124.16	41.39	114.96	38.68	111.51	38.29	105.77	37.91	103.47	37.52	
	3	2.2	135.28	37.98	134.04	37.62	124.11	35.16	120.38	34.81	114.18	34.46	111.70	34.11	
	5	4.1	138.13	36.39	136.86	36.06	126.72	33.70	122.92	33.36	116.58	33.02	114.05	32.69	
	7	6	142.40	31.65	141.09	31.35	130.64	29.30	126.72	29.01	120.19	28.72	117.58	28.42	
	9	7.9	145.25	31.33	143.91	31.04	133.25	29.01	129.26	28.72	122.59	28.43	119.93	28.14	
	11	9.8	145.25	31.01	143.91	30.73	133.25	28.72	129.26	28.43	122.59	28.14	119.93	27.85	
	13	11.8	145.25	30.86	143.91	30.57	133.25	28.57	129.26	28.28	122.59	28.00	119.93	27.71	
15	13.7	145.25	30.70	143.91	30.41	133.25	28.42	129.26	28.14	122.59	27.85	119.93	27.57		
19	14.2	146.58	30.54	143.91	30.26	133.25	28.28	129.26	27.99	122.59	27.71	119.93	27.43		
21	15	146.58	30.38	143.91	30.10	133.25	28.13	129.26	27.85	122.59	27.57	119.93	27.29		
80%	-22.90	-23.00	46.39	27.17	45.96	26.92	42.56	25.16	41.28	24.91	39.15	24.66	38.30	24.40	
	-18.80	-19.00	50.15	27.81	49.69	27.55	46.01	25.75	44.63	25.49	42.33	25.24	41.41	24.98	
	-14.7	-15	56.42	28.97	55.90	28.70	51.76	26.82	50.21	26.55	47.62	26.28	46.58	26.02	
	-12.6	-13	62.69	29.22	62.11	28.95	57.51	27.06	55.78	26.79	52.91	26.52	51.76	26.25	
	-10.5	-11	67.70	29.48	67.08	29.21	62.11	27.29	60.25	27.02	57.14	26.75	55.90	26.48	
	-9.5	-10	71.46	29.99	70.81	29.71	65.56	27.77	63.59	27.49	60.32	27.21	59.01	26.94	
	-8.5	-9.1	75.22	30.76	74.53	30.48	69.01	28.48	66.94	28.20	63.49	27.91	62.11	27.63	
	-7	-7.6	87.76	31.53	86.96	31.24	80.51	29.19	78.10	28.90	74.07	28.61	72.46	28.32	
	-5	-5.6	94.03	32.81	93.17	32.51	86.26	30.38	83.68	30.08	79.36	29.77	77.64	29.47	
	-3	-3.7	100.30	34.61	99.38	34.28	92.02	32.04	89.26	31.72	84.65	31.40	82.81	31.08	
	0	-0.7	110.33	33.84	109.32	33.52	101.22	31.33	98.18	31.02	93.12	30.70	91.10	30.39	
	3	2.2	119.10	30.76	118.01	30.48	109.27	28.48	105.99	28.20	100.53	27.91	98.34	27.63	
	5	4.1	121.61	29.48	120.49	29.21	111.57	27.29	108.22	27.02	102.64	26.75	100.41	26.48	
	7	6	125.37	25.63	124.22	25.40	115.02	23.73	111.57	23.50	105.82	23.26	103.52	23.02	
	9	7.9	127.88	25.38	126.71	25.14	117.32	23.50	113.80	23.26	107.93	23.03	105.59	22.79	
	11	9.8	127.88	25.12	126.71	24.89	117.32	23.26	113.80	23.03	107.93	22.79	105.59	22.56	
	13	11.8	127.88	24.99	126.71	24.76	117.32	23.14	113.80	22.91	107.93	22.68	105.59	22.45	
15	13.7	127.88	24.86	126.71	24.63	117.32	23.02	113.80	22.79	107.93	22.56	105.59	22.33		
19	14.2	129.05	24.74	126.71	24.51	117.32	22.90	113.80	22.67	107.93	22.45	105.59	22.22		
21	15	129.05	24.61	126.71	24.38	117.32	22.79	113.80	22.56	107.93	22.33	105.59	22.10		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT046S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	40.09	25.80	39.72	25.56	36.78	23.89	35.67	23.65	33.84	23.41	33.10	23.18	
	-18.80	-19.00	43.34	26.41	42.94	26.17	39.76	24.46	38.57	24.21	36.58	23.97	35.78	23.72	
	-14.7	-15	48.76	27.51	48.31	27.25	44.73	25.47	43.39	25.22	41.15	24.96	40.26	24.71	
	-12.6	-13	54.17	27.75	53.68	27.49	49.70	25.70	48.21	25.44	45.72	25.18	44.73	24.92	
	-10.5	-11	58.51	27.99	57.97	27.74	53.68	25.92	52.07	25.66	49.38	25.40	48.31	25.14	
	-9.5	-10	61.76	28.48	61.19	28.22	56.66	26.37	54.96	26.11	52.13	25.84	50.99	25.58	
	-8.5	-9.1	65.01	29.21	64.41	28.94	59.64	27.05	57.85	26.78	54.87	26.51	53.68	26.24	
	-7	-7.6	75.84	29.94	75.15	29.66	69.58	27.72	67.49	27.45	64.01	27.17	62.62	26.89	
	-5	-5.6	81.26	31.16	80.51	30.87	74.55	28.85	72.31	28.56	68.59	28.27	67.09	27.99	
	-3	-3.7	86.68	32.86	85.88	32.56	79.52	30.43	77.13	30.12	73.16	29.82	71.57	29.52	
	0	-0.7	95.34	32.13	94.47	31.84	87.47	29.75	84.85	29.46	80.47	29.16	78.72	28.86	
	3	2.2	102.93	29.21	101.98	28.94	94.43	27.05	91.60	26.78	86.88	26.51	84.99	26.24	
	5	4.1	105.10	27.99	104.13	27.74	96.42	25.92	93.53	25.66	88.70	25.40	86.78	25.14	
	7	6	108.35	24.34	107.35	24.12	99.40	22.54	96.42	22.31	91.45	22.09	89.46	21.86	
	9	7.9	110.51	24.10	109.50	23.88	101.39	22.31	98.35	22.09	93.28	21.87	91.25	21.65	
	11	9.8	110.51	23.86	109.50	23.64	101.39	22.09	98.35	21.87	93.28	21.65	91.25	21.43	
	13	11.8	110.51	23.73	109.50	23.51	101.39	21.98	98.35	21.76	93.28	21.54	91.25	21.32	
15	13.7	110.51	23.61	109.50	23.39	101.39	21.86	98.35	21.65	93.28	21.43	91.25	21.21		
19	14.2	111.53	23.49	109.50	23.27	101.39	21.75	98.35	21.53	93.28	21.32	91.25	21.10		
21	15	111.53	23.37	109.50	23.15	101.39	21.64	98.35	21.42	93.28	21.21	91.25	20.99		
60%	-22.90	-23.00	36.08	22.85	35.75	22.64	33.10	21.16	32.11	20.95	30.45	20.74	29.79	20.53	
	-18.80	-19.00	39.00	23.39	38.65	23.18	35.78	21.66	34.71	21.44	32.92	21.23	32.21	21.01	
	-14.7	-15	43.88	24.36	43.48	24.14	40.26	22.56	39.05	22.33	37.04	22.11	36.23	21.88	
	-12.6	-13	48.76	24.58	48.31	24.35	44.73	22.76	43.39	22.53	41.15	22.30	40.26	22.08	
	-10.5	-11	52.66	24.80	52.17	24.57	48.31	22.96	46.86	22.73	44.44	22.50	43.48	22.27	
	-9.5	-10	55.58	25.23	55.07	24.99	50.99	23.36	49.46	23.12	46.91	22.89	45.89	22.66	
	-8.5	-9.1	58.51	25.87	57.97	25.63	53.68	23.96	52.07	23.72	49.38	23.48	48.31	23.24	
	-7	-7.6	68.26	26.52	67.63	26.27	62.62	24.56	60.74	24.31	57.61	24.06	56.36	23.82	
	-5	-5.6	73.13	27.60	72.46	27.34	67.09	25.55	65.08	25.30	61.73	25.04	60.39	24.79	
	-3	-3.7	78.01	29.11	77.29	28.84	71.57	26.95	69.42	26.68	65.84	26.41	64.41	26.14	
	0	-0.7	85.81	28.46	85.02	28.20	78.72	26.35	76.36	26.09	72.43	25.83	70.85	25.56	
	3	2.2	92.64	25.87	91.79	25.63	84.99	23.96	82.44	23.72	78.19	23.48	76.49	23.24	
	5	4.1	94.59	24.80	93.72	24.57	86.78	22.96	84.17	22.73	79.83	22.50	78.10	22.27	
	7	6	97.51	21.56	96.62	21.36	89.46	19.96	86.78	19.76	82.30	19.56	80.51	19.37	
	9	7.9	99.46	21.35	98.55	21.15	91.25	19.76	88.51	19.57	83.95	19.37	82.12	19.17	
	11	9.8	99.46	21.13	98.55	20.93	91.25	19.56	88.51	19.37	83.95	19.17	82.12	18.98	
	13	11.8	99.46	21.02	98.55	20.83	91.25	19.46	88.51	19.27	83.95	19.08	82.12	18.88	
15	13.7	99.46	20.91	98.55	20.72	91.25	19.37	88.51	19.17	83.95	18.98	82.12	18.78		
19	14.2	100.37	20.81	98.55	20.61	91.25	19.27	88.51	19.07	83.95	18.88	82.12	18.69		
21	15	100.37	20.70	98.55	20.51	91.25	19.17	88.51	18.97	83.95	18.78	82.12	18.59		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT046S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	30.93	23.96	30.64	23.74	28.37	22.19	27.52	21.96	26.10	21.74	25.53	21.52	
	-18.80	-19.00	33.43	24.53	33.13	24.30	30.67	22.71	29.75	22.48	28.22	22.25	27.60	22.03	
	-14.7	-15	37.61	25.54	37.27	25.31	34.51	23.65	33.47	23.41	31.75	23.18	31.06	22.94	
	-12.6	-13	41.79	25.77	41.41	25.53	38.34	23.86	37.19	23.62	35.27	23.38	34.51	23.14	
	-10.5	-11	45.13	26.00	44.72	25.75	41.41	24.07	40.16	23.83	38.09	23.59	37.27	23.35	
	-9.5	-10	47.64	26.45	47.20	26.20	43.71	24.49	42.40	24.24	40.21	24.00	39.34	23.75	
	-8.5	-9.1	50.15	27.13	49.69	26.87	46.01	25.12	44.63	24.86	42.33	24.61	41.41	24.36	
	-7	-7.6	58.51	27.80	57.97	27.55	53.68	25.74	52.07	25.49	49.38	25.23	48.31	24.97	
	-5	-5.6	62.69	28.93	62.11	28.67	57.51	26.79	55.78	26.52	52.91	26.25	51.76	25.99	
	-3	-3.7	66.86	30.52	66.25	30.23	61.34	28.26	59.50	27.97	56.44	27.69	55.21	27.41	
	0	-0.7	73.55	29.84	72.88	29.56	67.48	27.63	65.45	27.35	62.08	27.08	60.73	26.80	
	3	2.2	79.40	27.13	78.67	26.87	72.85	25.12	70.66	24.86	67.02	24.61	65.56	24.36	
	5	4.1	81.07	26.00	80.33	25.75	74.38	24.07	72.15	23.83	68.43	23.59	66.94	23.35	
	7	6	83.58	22.60	82.81	22.40	76.68	20.93	74.38	20.72	70.55	20.51	69.01	20.30	
	9	7.9	85.25	22.38	84.47	22.17	78.21	20.72	75.87	20.51	71.96	20.31	70.39	20.10	
	11	9.8	85.25	22.15	84.47	21.95	78.21	20.51	75.87	20.31	71.96	20.10	70.39	19.90	
	13	11.8	85.25	22.04	84.47	21.84	78.21	20.41	75.87	20.20	71.96	20.00	70.39	19.79	
15	13.7	85.25	21.93	84.47	21.72	78.21	20.30	75.87	20.10	71.96	19.90	70.39	19.69		
19	14.2	86.03	21.81	84.47	21.61	78.21	20.20	75.87	20.00	71.96	19.79	70.39	19.59		
21	15	86.03	21.70	84.47	21.50	78.21	20.09	75.87	19.89	71.96	19.69	70.39	19.49		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT048S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	61.24	37.31	60.68	36.97	56.18	34.55	54.50	34.20	51.69	33.86	50.56	33.51	
	-18.80	-19.00	66.20	38.19	65.59	37.84	60.74	35.36	58.91	35.01	55.88	34.66	54.66	34.30	
	-14.7	-15	74.48	39.78	73.79	39.41	68.33	36.83	66.28	36.46	62.86	36.09	61.50	35.72	
	-12.6	-13	82.75	40.13	81.99	39.76	75.92	37.15	73.64	36.78	69.85	36.41	68.33	36.04	
	-10.5	-11	89.37	40.48	88.55	40.10	81.99	37.48	79.53	37.11	75.43	36.73	73.79	36.36	
	-9.5	-10	94.34	41.18	93.47	40.80	86.55	38.13	83.95	37.75	79.62	37.37	77.89	36.99	
	-8.5	-9.1	99.30	42.24	98.39	41.85	91.10	39.11	88.37	38.72	83.82	38.33	81.99	37.94	
	-7	-7.6	115.85	43.30	114.79	42.89	106.29	40.09	103.10	39.69	97.78	39.29	95.66	38.89	
	-5	-5.6	124.13	45.06	122.99	44.64	113.88	41.72	110.46	41.30	104.77	40.88	102.49	40.47	
	-3	-3.7	132.40	47.52	131.19	47.08	121.47	44.00	117.83	43.56	111.75	43.12	109.32	42.68	
	0	-0.7	145.64	46.46	144.31	46.03	133.62	43.02	129.61	42.59	122.93	42.16	120.26	41.73	
	3	2.2	157.23	42.24	155.79	41.85	144.25	39.11	139.92	38.72	132.71	38.33	129.82	37.94	
	5	4.1	160.54	40.48	159.07	40.10	147.28	37.48	142.87	37.11	135.50	36.73	132.56	36.36	
	7	6	165.51	35.20	163.99	34.87	151.84	32.59	147.28	32.27	139.69	31.94	136.66	31.61	
	9	7.9	168.82	34.85	167.27	34.52	154.88	32.27	150.23	31.94	142.49	31.62	139.39	31.30	
	11	9.8	168.82	34.50	167.27	34.18	154.88	31.94	150.23	31.62	142.49	31.30	139.39	30.98	
	13	11.8	168.82	34.32	167.27	34.00	154.88	31.78	150.23	31.46	142.49	31.14	139.39	30.82	
	15	13.7	168.82	34.14	167.27	33.83	154.88	31.61	150.23	31.30	142.49	30.98	139.39	30.67	
19	14.2	170.36	33.97	167.27	33.65	154.88	31.45	150.23	31.14	142.49	30.82	139.39	30.51		
21	15	170.36	33.79	167.27	33.48	154.88	31.29	150.23	30.98	142.49	30.66	139.39	30.35		
120%	-22.90	-23.00	60.65	37.70	60.09	37.35	55.64	34.90	53.97	34.55	51.19	34.21	50.08	33.86	
	-18.80	-19.00	65.57	38.59	64.96	38.23	60.15	35.73	58.35	35.37	55.34	35.01	54.14	34.66	
	-14.7	-15	73.76	40.19	73.08	39.81	67.67	37.21	65.64	36.84	62.26	36.46	60.90	36.09	
	-12.6	-13	81.96	40.54	81.21	40.17	75.19	37.54	72.93	37.16	69.17	36.79	67.67	36.41	
	-10.5	-11	88.51	40.90	87.70	40.52	81.21	37.87	78.77	37.49	74.71	37.11	73.08	36.73	
	-9.5	-10	93.43	41.61	92.57	41.22	85.72	38.53	83.15	38.14	78.86	37.76	77.14	37.37	
	-8.5	-9.1	98.35	42.67	97.45	42.28	90.23	39.51	87.52	39.12	83.01	38.72	81.21	38.33	
	-7	-7.6	114.74	43.74	113.69	43.34	105.27	40.50	102.11	40.10	96.84	39.69	94.74	39.29	
	-5	-5.6	122.94	45.52	121.81	45.10	112.78	42.15	109.40	41.73	103.76	41.30	101.51	40.88	
	-3	-3.7	131.13	48.01	129.93	47.56	120.30	44.45	116.69	44.01	110.68	43.56	108.27	43.12	
	0	-0.7	144.24	46.94	142.92	46.51	132.33	43.46	128.36	43.03	121.75	42.60	119.10	42.16	
	3	2.2	155.72	42.67	154.29	42.28	142.86	39.51	138.58	39.12	131.43	38.72	128.57	38.33	
	5	4.1	159.00	40.90	157.54	40.52	145.87	37.87	141.49	37.49	134.20	37.11	131.28	36.73	
	7	6	163.91	35.56	162.41	35.23	150.38	32.93	145.87	32.60	138.35	32.27	135.34	31.94	
	9	7.9	167.19	35.21	165.66	34.88	153.39	32.60	148.79	32.27	141.12	31.95	138.05	31.62	
	11	9.8	167.19	34.85	165.66	34.53	153.39	32.27	148.79	31.95	141.12	31.62	138.05	31.30	
	13	11.8	167.19	34.67	165.66	34.35	153.39	32.10	148.79	31.78	141.12	31.46	138.05	31.14	
	15	13.7	167.19	34.50	165.66	34.18	153.39	31.94	148.79	31.62	141.12	31.30	138.05	30.98	
19	14.2	168.73	34.32	165.66	34.00	153.39	31.78	148.79	31.46	141.12	31.14	138.05	30.82		
21	15	168.73	34.14	165.66	33.82	153.39	31.61	148.79	31.29	141.12	30.98	138.05	30.66		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT048S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	59.47	38.08	58.93	37.73	54.56	35.26	52.92	34.91	50.20	34.55	49.10	34.20	
	-18.80	-19.00	64.29	38.98	63.70	38.62	58.98	36.09	57.21	35.73	54.27	35.37	53.09	35.01	
	-14.7	-15	72.33	40.60	71.67	40.22	66.36	37.59	64.37	37.21	61.05	36.84	59.72	36.46	
	-12.6	-13	80.37	40.95	79.63	40.58	73.73	37.92	71.52	37.54	67.83	37.16	66.36	36.78	
	-10.5	-11	86.79	41.31	86.00	40.93	79.63	38.25	77.24	37.87	73.26	37.49	71.67	37.11	
	-9.5	-10	91.62	42.03	90.78	41.64	84.05	38.92	81.53	38.53	77.33	38.14	75.65	37.75	
	-8.5	-9.1	96.44	43.11	95.55	42.71	88.48	39.92	85.82	39.52	81.40	39.12	79.63	38.72	
	-7	-7.6	112.51	44.19	111.48	43.78	103.22	40.91	100.13	40.51	94.96	40.10	92.90	39.69	
	-5	-5.6	120.55	45.98	119.44	45.56	110.59	42.58	107.28	42.15	101.75	41.73	99.54	41.30	
	-3	-3.7	128.59	48.50	127.41	48.05	117.97	44.91	114.43	44.46	108.53	44.01	106.17	43.56	
	0	-0.7	141.44	47.42	140.15	46.98	129.76	43.91	125.87	43.47	119.38	43.03	116.79	42.59	
	3	2.2	152.69	43.11	151.29	42.71	140.09	39.92	135.88	39.52	128.88	39.12	126.08	38.72	
	5	4.1	155.91	41.31	154.48	40.93	143.04	38.25	138.75	37.87	131.59	37.49	128.73	37.11	
	7	6	160.73	35.93	159.26	35.59	147.46	33.26	143.04	32.93	135.66	32.60	132.71	32.27	
	9	7.9	163.95	35.57	162.44	35.24	150.41	32.93	145.90	32.60	138.38	32.27	135.37	31.94	
	11	9.8	163.95	35.21	162.44	34.88	150.41	32.60	145.90	32.27	138.38	31.95	135.37	31.62	
	13	11.8	163.95	35.03	162.44	34.70	150.41	32.43	145.90	32.11	138.38	31.78	135.37	31.46	
	15	13.7	163.95	34.85	162.44	34.52	150.41	32.27	145.90	31.94	138.38	31.62	135.37	31.30	
19	14.2	165.45	34.67	162.44	34.35	150.41	32.10	145.90	31.78	138.38	31.46	135.37	31.14		
21	15	165.45	34.49	162.44	34.17	150.41	31.93	145.90	31.61	138.38	31.29	135.37	30.98		
100%	-22.90	-23.00	58.88	38.47	58.34	38.11	54.02	35.62	52.40	35.26	49.70	34.90	48.62	34.55	
	-18.80	-19.00	63.66	39.37	63.07	39.01	58.40	36.46	56.65	36.09	53.73	35.73	52.56	35.36	
	-14.7	-15	71.61	41.01	70.96	40.63	65.70	37.97	63.73	37.59	60.44	37.21	59.13	36.83	
	-12.6	-13	79.57	41.37	78.84	40.99	73.00	38.30	70.81	37.92	67.16	37.54	65.70	37.15	
	-10.5	-11	85.94	41.73	85.15	41.34	78.84	38.64	76.47	38.25	72.53	37.87	70.96	37.48	
	-9.5	-10	90.71	42.46	89.88	42.06	83.22	39.31	80.72	38.92	76.56	38.53	74.90	38.13	
	-8.5	-9.1	95.48	43.55	94.61	43.14	87.60	40.32	84.97	39.92	80.59	39.51	78.84	39.11	
	-7	-7.6	111.40	44.63	110.38	44.22	102.20	41.33	99.13	40.91	94.02	40.50	91.98	40.09	
	-5	-5.6	119.35	46.45	118.26	46.02	109.50	43.01	106.21	42.58	100.74	42.15	98.55	41.72	
	-3	-3.7	127.31	48.99	126.14	48.54	116.80	45.36	113.30	44.91	107.46	44.45	105.12	44.00	
	0	-0.7	140.04	47.90	138.76	47.46	128.48	44.35	124.63	43.91	118.20	43.46	115.63	43.02	
	3	2.2	151.18	43.55	149.80	43.14	138.70	40.32	134.54	39.92	127.60	39.51	124.83	39.11	
	5	4.1	154.37	41.73	152.95	41.34	141.62	38.64	137.37	38.25	130.29	37.87	127.46	37.48	
	7	6	159.14	36.29	157.68	35.95	146.00	33.60	141.62	33.26	134.32	32.93	131.40	32.59	
	9	7.9	162.32	35.93	160.83	35.59	148.92	33.26	144.45	32.93	137.01	32.60	134.03	32.27	
	11	9.8	162.32	35.56	160.83	35.23	148.92	32.93	144.45	32.60	137.01	32.27	134.03	31.94	
	13	11.8	162.32	35.38	160.83	35.05	148.92	32.76	144.45	32.43	137.01	32.10	134.03	31.78	
	15	13.7	162.32	35.20	160.83	34.87	148.92	32.59	144.45	32.27	137.01	31.94	134.03	31.61	
19	14.2	163.81	35.02	160.83	34.69	148.92	32.42	144.45	32.10	137.01	31.78	134.03	31.45		
21	15	163.81	34.84	160.83	34.51	148.92	32.26	144.45	31.93	137.01	31.61	134.03	31.29		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT048S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-22.90	-23.00	54.17	35.00	53.67	34.68	49.70	32.41	48.21	32.09	45.72	31.76	44.73	31.44	
	-18.80	-19.00	58.56	35.83	58.03	35.50	53.73	33.17	52.12	32.84	49.43	32.51	48.36	32.18	
	-14.7	-15	65.88	37.31	65.28	36.97	60.44	34.55	58.63	34.21	55.61	33.86	54.40	33.51	
	-12.6	-13	73.20	37.65	72.53	37.30	67.16	34.86	65.15	34.51	61.79	34.16	60.44	33.81	
	-10.5	-11	79.06	37.98	78.34	37.62	72.53	35.16	70.36	34.81	66.73	34.46	65.28	34.11	
	-9.5	-10	83.45	38.64	82.69	38.28	76.56	35.77	74.27	35.42	70.44	35.06	68.91	34.70	
	-8.5	-9.1	87.85	39.63	87.04	39.26	80.59	36.69	78.17	36.32	74.14	35.96	72.53	35.59	
	-7	-7.6	102.49	40.62	101.55	40.24	94.02	37.61	91.20	37.23	86.50	36.86	84.62	36.48	
	-5	-5.6	109.81	42.27	108.80	41.88	100.74	39.14	97.72	38.75	92.68	38.35	90.67	37.96	
	-3	-3.7	117.13	44.58	116.05	44.17	107.46	41.28	104.23	40.86	98.86	40.45	96.71	40.04	
	0	-0.7	128.84	43.59	127.66	43.19	118.20	40.36	114.66	39.96	108.75	39.55	106.38	39.15	
	3	2.2	139.09	39.63	137.81	39.26	127.60	36.69	123.78	36.32	117.40	35.96	114.84	35.59	
	5	4.1	142.02	37.98	140.71	37.62	130.29	35.16	126.38	34.81	119.87	34.46	117.26	34.11	
	7	6	146.41	33.02	145.07	32.72	134.32	30.58	130.29	30.27	123.57	29.96	120.89	29.66	
	9	7.9	149.34	32.69	147.97	32.39	137.01	30.27	132.90	29.97	126.05	29.66	123.31	29.36	
	11	9.8	149.34	32.36	147.97	32.06	137.01	29.96	132.90	29.66	126.05	29.37	123.31	29.07	
	13	11.8	149.34	32.20	147.97	31.90	137.01	29.81	132.90	29.51	126.05	29.22	123.31	28.92	
	15	13.7	149.34	32.03	147.97	31.73	137.01	29.66	132.90	29.36	126.05	29.07	123.31	28.77	
19	14.2	150.71	31.87	147.97	31.57	137.01	29.51	132.90	29.21	126.05	28.92	123.31	28.62		
21	15	150.71	31.70	147.97	31.41	137.01	29.35	132.90	29.06	126.05	28.77	123.31	28.47		
80%	-22.90	-23.00	47.69	28.35	47.26	28.09	43.76	26.25	42.44	25.99	40.26	25.73	39.38	25.46	
	-18.80	-19.00	51.56	29.02	51.09	28.75	47.30	26.87	45.88	26.60	43.52	26.33	42.57	26.07	
	-14.7	-15	58.01	30.23	57.47	29.95	53.22	27.99	51.62	27.71	48.96	27.43	47.90	27.15	
	-12.6	-13	64.45	30.49	63.86	30.21	59.13	28.23	57.36	27.95	54.40	27.67	53.22	27.39	
	-10.5	-11	69.61	30.76	68.97	30.48	63.86	28.48	61.94	28.20	58.75	27.91	57.47	27.63	
	-9.5	-10	73.47	31.30	72.80	31.01	67.41	28.98	65.39	28.69	62.02	28.40	60.67	28.11	
	-8.5	-9.1	77.34	32.10	76.63	31.80	70.96	29.72	68.83	29.42	65.28	29.13	63.86	28.83	
	-7	-7.6	90.23	32.90	89.40	32.60	82.78	30.46	80.30	30.16	76.16	29.85	74.50	29.55	
	-5	-5.6	96.68	34.24	95.79	33.92	88.69	31.70	86.03	31.38	81.60	31.07	79.83	30.75	
	-3	-3.7	103.12	36.11	102.18	35.78	94.61	33.43	91.77	33.10	87.04	32.77	85.15	32.43	
	0	-0.7	113.43	35.31	112.39	34.98	104.07	32.69	100.95	32.36	95.74	32.04	93.66	31.71	
	3	2.2	122.46	32.10	121.33	31.80	112.35	29.72	108.98	29.42	103.36	29.13	101.11	28.83	
	5	4.1	125.04	30.76	123.89	30.48	114.71	28.48	111.27	28.20	105.54	27.91	103.24	27.63	
	7	6	128.90	26.75	127.72	26.50	118.26	24.77	114.71	24.52	108.80	24.27	106.43	24.02	
	9	7.9	131.48	26.48	130.28	26.24	120.63	24.52	117.01	24.27	110.98	24.03	108.56	23.78	
	11	9.8	131.48	26.21	130.28	25.97	120.63	24.27	117.01	24.03	110.98	23.79	108.56	23.54	
	13	11.8	131.48	26.08	130.28	25.84	120.63	24.15	117.01	23.91	110.98	23.66	108.56	23.42	
	15	13.7	131.48	25.95	130.28	25.71	120.63	24.02	117.01	23.78	110.98	23.54	108.56	23.30	
19	14.2	132.69	25.81	130.28	25.57	120.63	23.90	117.01	23.66	110.98	23.42	108.56	23.18		
21	15	132.69	25.68	130.28	25.44	120.63	23.78	117.01	23.54	110.98	23.30	108.56	23.06		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT048S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
	(°C DB)	(°C WB)	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW		
70%	-22.90	-23.00	41.22	26.93	40.84	26.68	37.81	24.93	36.68	24.68	34.79	24.43	34.03	24.18	
	-18.80	-19.00	44.56	27.56	44.15	27.31	40.88	25.52	39.65	25.26	37.61	25.01	36.79	24.75	
	-14.7	-15	50.13	28.70	49.67	28.44	45.99	26.58	44.61	26.31	42.31	26.05	41.39	25.78	
	-12.6	-13	55.70	28.96	55.19	28.69	51.10	26.81	49.57	26.54	47.01	26.28	45.99	26.01	
	-10.5	-11	60.15	29.21	59.60	28.94	55.19	27.05	53.53	26.78	50.77	26.51	49.67	26.24	
	-9.5	-10	63.50	29.72	62.91	29.44	58.25	27.52	56.51	27.24	53.59	26.97	52.43	26.69	
	-8.5	-9.1	66.84	30.48	66.23	30.20	61.32	28.22	59.48	27.94	56.41	27.66	55.19	27.38	
	-7	-7.6	77.98	31.24	77.26	30.95	71.54	28.93	69.39	28.64	65.82	28.35	64.39	28.06	
	-5	-5.6	83.55	32.51	82.78	32.21	76.65	30.11	74.35	29.80	70.52	29.50	68.98	29.20	
	-3	-3.7	89.12	34.29	88.30	33.97	81.76	31.75	79.31	31.43	75.22	31.12	73.58	30.80	
	0	-0.7	98.03	33.53	97.13	33.22	89.94	31.05	87.24	30.74	82.74	30.43	80.94	30.12	
	3	2.2	105.83	30.48	104.86	30.20	97.09	28.22	94.18	27.94	89.32	27.66	87.38	27.38	
	5	4.1	108.06	29.21	107.06	28.94	99.13	27.05	96.16	26.78	91.20	26.51	89.22	26.24	
	7	6	111.40	25.40	110.38	25.17	102.20	23.52	99.13	23.28	94.02	23.05	91.98	22.81	
	9	7.9	113.63	25.15	112.58	24.91	104.24	23.28	101.12	23.05	95.90	22.82	93.82	22.59	
	11	9.8	113.63	24.89	112.58	24.66	104.24	23.05	101.12	22.82	95.90	22.59	93.82	22.36	
	13	11.8	113.63	24.77	112.58	24.54	104.24	22.93	101.12	22.70	95.90	22.47	93.82	22.24	
	15	13.7	113.63	24.64	112.58	24.41	104.24	22.81	101.12	22.59	95.90	22.36	93.82	22.13	
	19	14.2	114.67	24.51	112.58	24.29	104.24	22.70	101.12	22.47	95.90	22.24	93.82	22.02	
21	15	114.67	24.39	112.58	24.16	104.24	22.58	101.12	22.35	95.90	22.13	93.82	21.90		
60%	-22.90	-23.00	37.10	23.85	36.76	23.63	34.03	22.08	33.01	21.86	31.31	21.64	30.63	21.42	
	-18.80	-19.00	40.10	24.41	39.74	24.18	36.79	22.60	35.69	22.38	33.85	22.15	33.11	21.92	
	-14.7	-15	45.12	25.42	44.70	25.19	41.39	23.54	40.15	23.30	38.08	23.07	37.25	22.83	
	-12.6	-13	50.13	25.65	49.67	25.41	45.99	23.75	44.61	23.51	42.31	23.27	41.39	23.04	
	-10.5	-11	54.14	25.87	53.64	25.63	49.67	23.96	48.18	23.72	45.70	23.48	44.70	23.24	
	-9.5	-10	57.15	26.32	56.62	26.08	52.43	24.37	50.86	24.13	48.23	23.89	47.19	23.64	
	-8.5	-9.1	60.15	27.00	59.60	26.75	55.19	25.00	53.53	24.75	50.77	24.50	49.67	24.25	
	-7	-7.6	70.18	27.67	69.54	27.42	64.39	25.62	62.45	25.37	59.24	25.11	57.95	24.85	
	-5	-5.6	75.19	28.80	74.50	28.53	68.98	26.66	66.92	26.40	63.47	26.13	62.09	25.87	
	-3	-3.7	80.21	30.37	79.47	30.09	73.58	28.12	71.38	27.84	67.70	27.56	66.23	27.28	
	0	-0.7	88.23	29.70	87.42	29.42	80.94	27.50	78.51	27.22	74.47	26.95	72.85	26.67	
	3	2.2	95.25	27.00	94.37	26.75	87.38	25.00	84.76	24.75	80.39	24.50	78.64	24.25	
	5	4.1	97.25	25.87	96.36	25.63	89.22	23.96	86.54	23.72	82.08	23.48	80.30	23.24	
	7	6	100.26	22.50	99.34	22.29	91.98	20.83	89.22	20.62	84.62	20.42	82.78	20.21	
	9	7.9	102.26	22.27	101.33	22.07	93.82	20.62	91.01	20.42	86.31	20.21	84.44	20.00	
	11	9.8	102.26	22.05	101.33	21.84	93.82	20.42	91.01	20.21	86.31	20.01	84.44	19.80	
	13	11.8	102.26	21.94	101.33	21.73	93.82	20.31	91.01	20.11	86.31	19.90	84.44	19.70	
	15	13.7	102.26	21.82	101.33	21.62	93.82	20.21	91.01	20.00	86.31	19.80	84.44	19.60	
	19	14.2	103.20	21.71	101.33	21.51	93.82	20.10	91.01	19.90	86.31	19.70	84.44	19.50	
21	15	103.20	21.60	101.33	21.40	93.82	20.00	91.01	19.80	86.31	19.60	84.44	19.40		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT048S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	31.80	25.00	31.50	24.77	29.17	23.15	28.30	22.92	26.84	22.69	26.25	22.46	
	-18.80	-19.00	34.37	25.59	34.06	25.36	31.54	23.70	30.59	23.46	29.01	23.22	28.38	22.99	
	-14.7	-15	38.67	26.65	38.32	26.41	35.48	24.68	34.41	24.43	32.64	24.19	31.93	23.94	
	-12.6	-13	42.97	26.89	42.57	26.64	39.42	24.90	38.24	24.65	36.27	24.40	35.48	24.15	
	-10.5	-11	46.41	27.13	45.98	26.87	42.57	25.12	41.30	24.86	39.17	24.61	38.32	24.36	
	-9.5	-10	48.98	27.60	48.53	27.34	44.94	25.55	43.59	25.30	41.34	25.04	40.44	24.79	
	-8.5	-9.1	51.56	28.30	51.09	28.04	47.30	26.21	45.88	25.95	43.52	25.68	42.57	25.42	
	-7	-7.6	60.15	29.01	59.60	28.74	55.19	26.86	53.53	26.59	50.77	26.33	49.67	26.06	
	-5	-5.6	64.45	30.19	63.86	29.91	59.13	27.96	57.36	27.68	54.40	27.40	53.22	27.12	
	-3	-3.7	68.75	31.84	68.12	31.55	63.07	29.48	61.18	29.19	58.03	28.89	56.76	28.60	
	0	-0.7	75.62	31.14	74.93	30.85	69.38	28.83	67.30	28.54	63.83	28.25	62.44	27.96	
	3	2.2	81.64	28.30	80.89	28.04	74.90	26.21	72.65	25.95	68.91	25.68	67.41	25.42	
	5	4.1	83.36	27.13	82.59	26.87	76.47	25.12	74.18	24.86	70.36	24.61	68.83	24.36	
	7	6	85.94	23.59	85.15	23.37	78.84	21.84	76.47	21.62	72.53	21.40	70.96	21.18	
	9	7.9	87.65	23.35	86.85	23.14	80.42	21.62	78.00	21.41	73.98	21.19	72.38	20.97	
	11	9.8	87.65	23.12	86.85	22.90	80.42	21.40	78.00	21.19	73.98	20.98	72.38	20.76	
	13	11.8	87.65	23.00	86.85	22.78	80.42	21.29	78.00	21.08	73.98	20.87	72.38	20.66	
15	13.7	87.65	22.88	86.85	22.67	80.42	21.18	78.00	20.97	73.98	20.76	72.38	20.55		
19	14.2	88.46	22.76	86.85	22.55	80.42	21.08	78.00	20.86	73.98	20.65	72.38	20.44		
21	15	88.46	22.64	86.85	22.43	80.42	20.97	78.00	20.76	73.98	20.55	72.38	20.34		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT050S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	65.22	38.31	64.62	37.96	59.84	35.47	58.04	35.12	55.05	34.76	53.85	34.41	
	-18.80	-19.00	70.51	39.21	69.86	38.85	64.69	36.31	62.75	35.95	59.51	35.58	58.22	35.22	
	-14.7	-15	79.32	40.84	78.60	40.46	72.77	37.82	70.59	37.44	66.95	37.06	65.50	36.68	
	-12.6	-13	88.14	41.20	87.33	40.82	80.86	38.15	78.43	37.77	74.39	37.39	72.77	37.01	
	-10.5	-11	95.19	41.56	94.32	41.18	87.33	38.48	84.71	38.10	80.34	37.72	78.60	37.33	
	-9.5	-10	100.48	42.29	99.55	41.89	92.18	39.15	89.41	38.76	84.81	38.37	82.96	37.98	
	-8.5	-9.1	105.76	43.37	104.79	42.97	97.03	40.16	94.12	39.76	89.27	39.35	87.33	38.95	
	-7	-7.6	123.39	44.45	122.26	44.04	113.20	41.16	109.81	40.75	104.15	40.34	101.88	39.93	
	-5	-5.6	132.21	46.26	130.99	45.83	121.29	42.84	117.65	42.41	111.59	41.98	109.16	41.55	
	-3	-3.7	141.02	48.79	139.73	48.34	129.38	45.18	125.49	44.73	119.03	44.27	116.44	43.82	
	0	-0.7	155.12	47.71	153.70	47.27	142.31	44.17	138.04	43.73	130.93	43.29	128.08	42.85	
	3	2.2	167.46	43.37	165.92	42.97	153.63	40.16	149.02	39.76	141.34	39.35	138.27	38.95	
	5	4.1	170.99	41.56	169.42	41.18	156.87	38.48	152.16	38.10	144.32	37.72	141.18	37.33	
	7	6	176.27	36.14	174.66	35.81	161.72	33.47	156.87	33.13	148.78	32.80	145.55	32.46	
	9	7.9	179.80	35.78	178.15	35.45	164.95	33.13	160.01	32.80	151.76	32.47	148.46	32.14	
	11	9.8	179.80	35.42	178.15	35.09	164.95	32.80	160.01	32.47	151.76	32.14	148.46	31.81	
	13	11.8	179.80	35.24	178.15	34.91	164.95	32.63	160.01	32.30	151.76	31.98	148.46	31.65	
	15	13.7	179.80	35.06	178.15	34.73	164.95	32.46	160.01	32.14	151.76	31.81	148.46	31.49	
19	14.2	181.45	34.88	178.15	34.55	164.95	32.29	160.01	31.97	151.76	31.65	148.46	31.32		
21	15	181.45	34.70	178.15	34.38	164.95	32.13	160.01	31.81	151.76	31.48	148.46	31.16		
120%	-22.90	-23.00	64.59	38.71	64.00	38.35	59.26	35.84	57.48	35.48	54.52	35.12	53.33	34.76	
	-18.80	-19.00	69.83	39.62	69.19	39.25	64.07	36.68	62.14	36.32	58.94	35.95	57.66	35.58	
	-14.7	-15	78.56	41.26	77.84	40.88	72.07	38.21	69.91	37.82	66.31	37.44	64.87	37.06	
	-12.6	-13	87.29	41.63	86.49	41.24	80.08	38.54	77.68	38.16	73.68	37.77	72.07	37.39	
	-10.5	-11	94.27	41.99	93.41	41.60	86.49	38.88	83.89	38.49	79.57	38.10	77.84	37.72	
	-9.5	-10	99.51	42.72	98.60	42.33	91.29	39.56	88.56	39.16	83.99	38.77	82.16	38.37	
	-8.5	-9.1	104.75	43.82	103.79	43.41	96.10	40.57	93.22	40.17	88.41	39.76	86.49	39.35	
	-7	-7.6	122.21	44.91	121.08	44.50	112.12	41.59	108.75	41.17	103.15	40.75	100.90	40.34	
	-5	-5.6	130.93	46.74	129.73	46.31	120.12	43.28	116.52	42.84	110.51	42.41	108.11	41.98	
	-3	-3.7	139.66	49.29	138.38	48.84	128.13	45.64	124.29	45.19	117.88	44.73	115.32	44.27	
	0	-0.7	153.63	48.20	152.22	47.75	140.95	44.63	136.72	44.18	129.67	43.74	126.85	43.29	
	3	2.2	165.85	43.82	164.33	43.41	152.16	40.57	147.59	40.17	139.98	39.76	136.94	39.35	
	5	4.1	169.34	41.99	167.79	41.60	155.36	38.88	150.70	38.49	142.93	38.10	139.82	37.72	
	7	6	174.58	36.51	172.98	36.18	160.16	33.81	155.36	33.47	147.35	33.13	144.15	32.80	
	9	7.9	178.07	36.15	176.44	35.81	163.37	33.47	158.47	33.14	150.30	32.80	147.03	32.47	
	11	9.8	178.07	35.78	176.44	35.45	163.37	33.13	158.47	32.80	150.30	32.47	147.03	32.14	
	13	11.8	178.07	35.60	176.44	35.27	163.37	32.96	158.47	32.64	150.30	32.31	147.03	31.98	
	15	13.7	178.07	35.42	176.44	35.09	163.37	32.80	158.47	32.47	150.30	32.14	147.03	31.81	
19	14.2	179.71	35.24	176.44	34.91	163.37	32.63	158.47	32.30	150.30	31.97	147.03	31.65		
21	15	179.71	35.05	176.44	34.73	163.37	32.46	158.47	32.13	150.30	31.81	147.03	31.48		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT050S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	
110%	-22.90	-23.00	63.34	39.10	62.76	38.74	58.11	36.20	56.37	35.84	53.46	35.48	52.30	35.12	
	-18.80	-19.00	68.48	40.02	67.85	39.65	62.82	37.06	60.94	36.69	57.80	36.32	56.54	35.95	
	-14.7	-15	77.04	41.68	76.33	41.30	70.67	38.60	68.55	38.21	65.02	37.82	63.61	37.44	
	-12.6	-13	85.59	42.05	84.81	41.66	78.53	38.94	76.17	38.55	72.25	38.16	70.67	37.77	
	-10.5	-11	92.44	42.42	91.59	42.03	84.81	39.28	82.27	38.89	78.02	38.49	76.33	38.10	
	-9.5	-10	97.58	43.16	96.68	42.76	89.52	39.96	86.84	39.56	82.36	39.16	80.57	38.76	
	-8.5	-9.1	102.71	44.26	101.77	43.86	94.23	40.99	91.41	40.58	86.69	40.17	84.81	39.76	
	-7	-7.6	119.83	45.37	118.73	44.95	109.94	42.01	106.64	41.59	101.14	41.17	98.94	40.75	
	-5	-5.6	128.39	47.22	127.21	46.78	117.79	43.72	114.26	43.28	108.37	42.84	106.01	42.41	
	-3	-3.7	136.95	49.80	135.70	49.34	125.64	46.11	121.87	45.65	115.59	45.19	113.08	44.73	
	0	-0.7	150.65	48.69	149.27	48.24	138.21	45.08	134.06	44.63	127.15	44.18	124.39	43.73	
	3	2.2	162.63	44.26	161.14	43.86	149.20	40.99	144.73	40.58	137.27	40.17	134.28	39.76	
	5	4.1	166.05	42.42	164.53	42.03	152.34	39.28	147.77	38.89	140.16	38.49	137.11	38.10	
	7	6	171.19	36.89	169.62	36.55	157.05	34.16	152.34	33.81	144.49	33.47	141.35	33.13	
	9	7.9	174.61	36.52	173.01	36.18	160.20	33.81	155.39	33.48	147.38	33.14	144.18	32.80	
	11	9.8	174.61	36.15	173.01	35.81	160.20	33.47	155.39	33.14	147.38	32.80	144.18	32.47	
	13	11.8	174.61	35.97	173.01	35.63	160.20	33.30	155.39	32.97	147.38	32.64	144.18	32.30	
	15	13.7	174.61	35.78	173.01	35.45	160.20	33.13	155.39	32.80	147.38	32.47	144.18	32.14	
19	14.2	176.22	35.60	173.01	35.27	160.20	32.96	155.39	32.63	147.38	32.30	144.18	31.97		
21	15	176.22	35.41	173.01	35.08	160.20	32.79	155.39	32.46	147.38	32.13	144.18	31.81		
100%	-22.90	-23.00	62.71	39.50	62.14	39.13	57.53	36.57	55.81	36.20	52.93	35.84	51.78	35.47	
	-18.80	-19.00	67.80	40.43	67.18	40.05	62.20	37.43	60.33	37.06	57.22	36.68	55.98	36.31	
	-14.7	-15	76.27	42.10	75.57	41.71	69.97	38.99	67.88	38.60	64.38	38.21	62.98	37.82	
	-12.6	-13	84.75	42.48	83.97	42.08	77.75	39.33	75.42	38.94	71.53	38.54	69.97	38.15	
	-10.5	-11	91.53	42.85	90.69	42.45	83.97	39.68	81.45	39.28	77.25	38.88	75.57	38.48	
	-9.5	-10	96.61	43.59	95.73	43.19	88.63	40.37	85.98	39.96	81.54	39.56	79.77	39.15	
	-8.5	-9.1	101.70	44.71	100.76	44.30	93.30	41.40	90.50	40.99	85.84	40.57	83.97	40.16	
	-7	-7.6	118.65	45.83	117.56	45.41	108.85	42.44	105.58	42.01	100.14	41.59	97.96	41.16	
	-5	-5.6	127.12	47.69	125.95	47.25	116.62	44.16	113.13	43.72	107.29	43.28	104.96	42.84	
	-3	-3.7	135.60	50.30	134.35	49.84	124.40	46.58	120.67	46.11	114.45	45.64	111.96	45.18	
	0	-0.7	149.16	49.18	147.79	48.73	136.84	45.54	132.73	45.08	125.89	44.63	123.16	44.17	
	3	2.2	161.02	44.71	159.54	44.30	147.72	41.40	143.29	40.99	135.91	40.57	132.95	40.16	
	5	4.1	164.41	42.85	162.90	42.45	150.83	39.68	146.31	39.28	138.77	38.88	135.75	38.48	
	7	6	169.49	37.26	167.94	36.92	155.50	34.50	150.83	34.16	143.06	33.81	139.95	33.47	
	9	7.9	172.88	36.89	171.30	36.55	158.61	34.16	153.85	33.81	145.92	33.47	142.75	33.13	
	11	9.8	172.88	36.51	171.30	36.18	158.61	33.81	153.85	33.47	145.92	33.13	142.75	32.80	
	13	11.8	172.88	36.33	171.30	35.99	158.61	33.64	153.85	33.30	145.92	32.96	142.75	32.63	
	15	13.7	172.88	36.14	171.30	35.81	158.61	33.47	153.85	33.13	145.92	32.80	142.75	32.46	
19	14.2	174.47	35.96	171.30	35.62	158.61	33.29	153.85	32.96	145.92	32.63	142.75	32.29		
21	15	174.47	35.77	171.30	35.44	158.61	33.12	153.85	32.79	145.92	32.46	142.75	32.13		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT050S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	57.70	35.94	57.17	35.61	52.93	33.28	51.34	32.95	48.70	32.61	47.64	32.28	
	-18.80	-19.00	62.37	36.79	61.80	36.45	57.22	34.06	55.51	33.72	52.65	33.38	51.50	33.04	
	-14.7	-15	70.17	38.31	69.53	37.96	64.38	35.48	62.45	35.12	59.23	34.77	57.94	34.41	
	-12.6	-13	77.97	38.65	77.25	38.30	71.53	35.79	69.38	35.43	65.81	35.07	64.38	34.72	
	-10.5	-11	84.21	38.99	83.43	38.63	77.25	36.10	74.93	35.74	71.07	35.38	69.53	35.02	
	-9.5	-10	88.88	39.67	88.07	39.30	81.54	36.73	79.10	36.36	75.02	36.00	73.39	35.63	
	-8.5	-9.1	93.56	40.69	92.70	40.31	85.84	37.67	83.26	37.30	78.97	36.92	77.25	36.54	
	-7	-7.6	109.15	41.71	108.15	41.32	100.14	38.62	97.14	38.23	92.13	37.84	90.13	37.46	
	-5	-5.6	116.95	43.40	115.88	43.00	107.29	40.19	104.08	39.78	98.71	39.38	96.57	38.98	
	-3	-3.7	124.75	45.77	123.60	45.35	114.45	42.38	111.01	41.96	105.29	41.54	103.00	41.11	
	0	-0.7	137.22	44.76	135.96	44.34	125.89	41.44	122.12	41.03	115.82	40.61	113.30	40.20	
	3	2.2	148.14	40.69	146.78	40.31	135.91	37.67	131.83	37.30	125.03	36.92	122.32	36.54	
	5	4.1	151.26	38.99	149.87	38.63	138.77	36.10	134.61	35.74	127.67	35.38	124.89	35.02	
	7	6	155.94	33.91	154.50	33.59	143.06	31.40	138.77	31.08	131.62	30.77	128.75	30.45	
	9	7.9	159.05	33.57	157.59	33.26	145.92	31.08	141.54	30.77	134.25	30.46	131.33	30.15	
	11	9.8	159.05	33.23	157.59	32.92	145.92	30.77	141.54	30.46	134.25	30.15	131.33	29.84	
	13	11.8	159.05	33.06	157.59	32.75	145.92	30.61	141.54	30.30	134.25	30.00	131.33	29.69	
	15	13.7	159.05	32.89	157.59	32.58	145.92	30.45	141.54	30.15	134.25	29.84	131.33	29.54	
19	14.2	160.51	32.72	157.59	32.42	145.92	30.30	141.54	29.99	134.25	29.69	131.33	29.39		
21	15	160.51	32.55	157.59	32.25	145.92	30.14	141.54	29.84	134.25	29.54	131.33	29.24		
80%	-22.90	-23.00	50.80	29.11	50.33	28.84	46.60	26.96	45.21	26.69	42.88	26.42	41.94	26.15	
	-18.80	-19.00	54.92	29.80	54.41	29.52	50.38	27.59	48.87	27.32	46.35	27.04	45.34	26.76	
	-14.7	-15	61.78	31.03	61.21	30.75	56.68	28.74	54.98	28.45	52.15	28.16	51.01	27.87	
	-12.6	-13	68.65	31.31	68.02	31.02	62.98	28.99	61.09	28.70	57.94	28.41	56.68	28.12	
	-10.5	-11	74.14	31.58	73.46	31.29	68.02	29.24	65.98	28.95	62.57	28.66	61.21	28.37	
	-9.5	-10	78.26	32.13	77.54	31.84	71.79	29.75	69.64	29.46	66.05	29.16	64.61	28.86	
	-8.5	-9.1	82.37	32.96	81.62	32.65	75.57	30.52	73.31	30.21	69.53	29.91	68.02	29.60	
	-7	-7.6	96.10	33.78	95.22	33.47	88.17	31.28	85.52	30.97	81.12	30.65	79.35	30.34	
	-5	-5.6	102.97	35.15	102.02	34.83	94.47	32.55	91.63	32.22	86.91	31.90	85.02	31.57	
	-3	-3.7	109.83	37.08	108.83	36.73	100.76	34.33	97.74	33.99	92.70	33.64	90.69	33.30	
	0	-0.7	120.82	36.25	119.71	35.92	110.84	33.57	107.52	33.23	101.97	32.90	99.76	32.56	
	3	2.2	130.43	32.96	129.23	32.65	119.66	30.52	116.07	30.21	110.08	29.91	107.69	29.60	
	5	4.1	133.17	31.58	131.95	31.29	122.18	29.24	118.51	28.95	112.40	28.66	109.96	28.37	
	7	6	137.29	27.46	136.03	27.21	125.95	25.43	122.18	25.18	115.88	24.92	113.36	24.67	
	9	7.9	140.04	27.19	138.75	26.94	128.47	25.18	124.62	24.92	118.20	24.67	115.63	24.42	
	11	9.8	140.04	26.92	138.75	26.67	128.47	24.92	124.62	24.67	118.20	24.42	115.63	24.17	
	13	11.8	140.04	26.78	138.75	26.53	128.47	24.79	124.62	24.55	118.20	24.30	115.63	24.05	
	15	13.7	140.04	26.64	138.75	26.39	128.47	24.67	124.62	24.42	118.20	24.17	115.63	23.93	
19	14.2	141.32	26.50	138.75	26.26	128.47	24.54	124.62	24.29	118.20	24.05	115.63	23.80		
21	15	141.32	26.37	138.75	26.12	128.47	24.41	124.62	24.17	118.20	23.92	115.63	23.68		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT050S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	43.90	27.65	43.50	27.39	40.27	25.60	39.07	25.34	37.05	25.09	36.25	24.83	
	-18.80	-19.00	47.46	28.30	47.02	28.04	43.54	26.20	42.23	25.94	40.06	25.68	39.19	25.42	
	-14.7	-15	53.39	29.47	52.90	29.20	48.98	27.29	47.51	27.02	45.06	26.74	44.08	26.47	
	-12.6	-13	59.32	29.73	58.78	29.46	54.42	27.53	52.79	27.26	50.07	26.98	48.98	26.71	
	-10.5	-11	64.07	29.99	63.48	29.72	58.78	27.77	57.02	27.49	54.08	27.22	52.90	26.94	
	-9.5	-10	67.63	30.52	67.01	30.23	62.04	28.26	60.18	27.97	57.08	27.69	55.84	27.41	
	-8.5	-9.1	71.19	31.30	70.53	31.01	65.31	28.98	63.35	28.69	60.09	28.40	58.78	28.11	
	-7	-7.6	83.05	32.08	82.29	31.78	76.19	29.70	73.91	29.41	70.10	29.11	68.58	28.81	
	-5	-5.6	88.98	33.38	88.17	33.08	81.64	30.91	79.19	30.60	75.11	30.29	73.47	29.98	
	-3	-3.7	94.92	35.21	94.05	34.88	87.08	32.60	84.47	32.28	80.11	31.95	78.37	31.62	
	0	-0.7	104.41	34.43	103.45	34.11	95.79	31.88	92.91	31.56	88.12	31.24	86.21	30.92	
	3	2.2	112.71	31.30	111.68	31.01	103.41	28.98	100.31	28.69	95.13	28.40	93.07	28.11	
	5	4.1	115.09	29.99	114.03	29.72	105.58	27.77	102.42	27.49	97.14	27.22	95.03	26.94	
	7	6	118.65	26.08	117.56	25.84	108.85	24.15	105.58	23.91	100.14	23.67	97.96	23.43	
	9	7.9	121.02	25.82	119.91	25.58	111.03	23.91	107.70	23.67	102.14	23.43	99.92	23.19	
	11	9.8	121.02	25.56	119.91	25.32	111.03	23.67	107.70	23.43	102.14	23.19	99.92	22.96	
	13	11.8	121.02	25.43	119.91	25.19	111.03	23.55	107.70	23.31	102.14	23.08	99.92	22.84	
	15	13.7	121.02	25.30	119.91	25.07	111.03	23.43	107.70	23.19	102.14	22.96	99.92	22.72	
19	14.2	122.13	25.17	119.91	24.94	111.03	23.30	107.70	23.07	102.14	22.84	99.92	22.61		
21	15	122.13	25.04	119.91	24.81	111.03	23.18	107.70	22.95	102.14	22.72	99.92	22.49		
60%	-22.90	-23.00	39.51	24.49	39.15	24.26	36.25	22.67	35.16	22.45	33.35	22.22	32.62	21.99	
	-18.80	-19.00	42.71	25.06	42.32	24.83	39.19	23.21	38.01	22.98	36.05	22.74	35.27	22.51	
	-14.7	-15	48.05	26.10	47.61	25.86	44.08	24.17	42.76	23.93	40.56	23.69	39.68	23.45	
	-12.6	-13	53.39	26.34	52.90	26.09	48.98	24.38	47.51	24.14	45.06	23.90	44.08	23.65	
	-10.5	-11	57.66	26.57	57.13	26.32	52.90	24.60	51.31	24.35	48.67	24.11	47.61	23.86	
	-9.5	-10	60.87	27.03	60.31	26.78	55.84	25.03	54.16	24.78	51.37	24.53	50.26	24.28	
	-8.5	-9.1	64.07	27.72	63.48	27.46	58.78	25.67	57.02	25.41	54.08	25.15	52.90	24.90	
	-7	-7.6	74.75	28.41	74.06	28.15	68.58	26.31	66.52	26.05	63.09	25.78	61.72	25.52	
	-5	-5.6	80.09	29.57	79.35	29.30	73.47	27.38	71.27	27.11	67.60	26.83	66.13	26.56	
	-3	-3.7	85.43	31.19	84.64	30.90	78.37	28.88	76.02	28.59	72.10	28.30	70.53	28.01	
	0	-0.7	93.97	30.49	93.11	30.21	86.21	28.23	83.62	27.95	79.31	27.67	77.59	27.39	
	3	2.2	101.44	27.72	100.51	27.46	93.07	25.67	90.27	25.41	85.62	25.15	83.76	24.90	
	5	4.1	103.58	26.57	102.63	26.32	95.03	24.60	92.18	24.35	87.42	24.11	85.52	23.86	
	7	6	106.78	23.10	105.80	22.89	97.96	21.39	95.03	21.18	90.13	20.96	88.17	20.75	
	9	7.9	108.92	22.87	107.92	22.66	99.92	21.18	96.93	20.96	91.93	20.75	89.93	20.54	
	11	9.8	108.92	22.64	107.92	22.43	99.92	20.96	96.93	20.75	91.93	20.54	89.93	20.33	
	13	11.8	108.92	22.52	107.92	22.32	99.92	20.86	96.93	20.65	91.93	20.44	89.93	20.23	
	15	13.7	108.92	22.41	107.92	22.20	99.92	20.75	96.93	20.54	91.93	20.33	89.93	20.13	
19	14.2	109.92	22.29	107.92	22.09	99.92	20.64	96.93	20.43	91.93	20.23	89.93	20.02		
21	15	109.92	22.18	107.92	21.97	99.92	20.53	96.93	20.33	91.93	20.12	89.93	19.92		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT050S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	33.87	25.67	33.55	25.43	31.07	23.77	30.14	23.53	28.58	23.30	27.96	23.06	
	-18.80	-19.00	36.61	26.28	36.28	26.03	33.59	24.33	32.58	24.09	30.90	23.84	30.23	23.60	
	-14.7	-15	41.19	27.37	40.81	27.11	37.79	25.34	36.65	25.09	34.76	24.83	34.01	24.58	
	-12.6	-13	45.76	27.61	45.34	27.35	41.98	25.56	40.73	25.31	38.63	25.05	37.79	24.80	
	-10.5	-11	49.42	27.85	48.97	27.59	45.34	25.79	43.98	25.53	41.72	25.27	40.81	25.02	
	-9.5	-10	52.17	28.34	51.69	28.07	47.86	26.24	46.43	25.97	44.03	25.71	43.08	25.45	
	-8.5	-9.1	54.92	29.06	54.41	28.79	50.38	26.91	48.87	26.64	46.35	26.37	45.34	26.10	
	-7	-7.6	64.07	29.79	63.48	29.51	58.78	27.58	57.02	27.31	54.08	27.03	52.90	26.76	
	-5	-5.6	68.65	31.00	68.02	30.71	62.98	28.70	61.09	28.42	57.94	28.13	56.68	27.84	
	-3	-3.7	73.22	32.70	72.55	32.39	67.18	30.27	65.16	29.97	61.80	29.67	60.46	29.37	
	0	-0.7	80.54	31.97	79.81	31.67	73.89	29.60	71.68	29.30	67.98	29.01	66.50	28.71	
	3	2.2	86.95	29.06	86.15	28.79	79.77	26.91	77.38	26.64	73.39	26.37	71.79	26.10	
	5	4.1	88.78	27.85	87.97	27.59	81.45	25.79	79.01	25.53	74.93	25.27	73.31	25.02	
	7	6	91.53	24.22	90.69	23.99	83.97	22.43	81.45	22.20	77.25	21.98	75.57	21.75	
	9	7.9	93.36	23.98	92.50	23.75	85.65	22.20	83.08	21.98	78.80	21.76	77.08	21.53	
	11	9.8	93.36	23.73	92.50	23.51	85.65	21.98	83.08	21.76	78.80	21.54	77.08	21.32	
	13	11.8	93.36	23.61	92.50	23.39	85.65	21.86	83.08	21.65	78.80	21.43	77.08	21.21	
15	13.7	93.36	23.49	92.50	23.27	85.65	21.75	83.08	21.53	78.80	21.32	77.08	21.10		
19	14.2	94.21	23.37	92.50	23.15	85.65	21.64	83.08	21.42	78.80	21.21	77.08	20.99		
21	15	94.21	23.25	92.50	23.03	85.65	21.53	83.08	21.31	78.80	21.10	77.08	20.88		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT052S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	69.21	39.31	68.57	38.95	63.49	36.40	61.59	36.03	58.41	35.67	57.14	35.31	
	-18.80	-19.00	74.82	40.24	74.13	39.86	68.64	37.26	66.58	36.88	63.15	36.51	61.78	36.14	
	-14.7	-15	84.17	41.91	83.40	41.52	77.22	38.80	74.90	38.41	71.04	38.03	69.50	37.64	
	-12.6	-13	93.52	42.28	92.66	41.89	85.80	39.15	83.23	38.75	78.94	38.36	77.22	37.97	
	-10.5	-11	101.00	42.65	100.08	42.25	92.66	39.49	89.88	39.09	85.25	38.70	83.40	38.30	
	-9.5	-10	106.62	43.39	105.64	42.99	97.81	40.18	94.88	39.77	89.99	39.37	88.03	38.97	
	-8.5	-9.1	112.23	44.50	111.20	44.09	102.96	41.21	99.87	40.79	94.72	40.38	92.66	39.97	
	-7	-7.6	130.93	45.61	129.73	45.19	120.12	42.24	116.52	41.81	110.51	41.39	108.11	40.97	
	-5	-5.6	140.28	47.47	139.00	47.03	128.70	43.95	124.84	43.51	118.40	43.07	115.83	42.63	
	-3	-3.7	149.64	50.06	148.26	49.60	137.28	46.36	133.16	45.89	126.30	45.43	123.55	44.97	
	0	-0.7	164.60	48.95	163.09	48.50	151.01	45.33	146.48	44.87	138.93	44.42	135.91	43.97	
	3	2.2	177.69	44.50	176.06	44.09	163.02	41.21	158.13	40.79	149.98	40.38	146.72	39.97	
	5	4.1	181.43	42.65	179.77	42.25	166.45	39.49	161.46	39.09	153.14	38.70	149.81	38.30	
	7	6	187.04	37.09	185.33	36.74	171.60	34.34	166.45	33.99	157.87	33.65	154.44	33.31	
	9	7.9	190.78	36.71	189.03	36.37	175.03	33.99	169.78	33.65	161.03	33.31	157.53	32.97	
	11	9.8	190.78	36.34	189.03	36.01	175.03	33.65	169.78	33.31	161.03	32.98	157.53	32.64	
	13	11.8	190.78	36.16	189.03	35.82	175.03	33.48	169.78	33.14	161.03	32.81	157.53	32.48	
	15	13.7	190.78	35.97	189.03	35.64	175.03	33.31	169.78	32.97	161.03	32.64	157.53	32.31	
19	14.2	192.54	35.79	189.03	35.46	175.03	33.14	169.78	32.80	161.03	32.47	157.53	32.14		
21	15	192.54	35.60	189.03	35.27	175.03	32.96	169.78	32.63	161.03	32.31	157.53	31.98		
120%	-22.90	-23.00	68.54	39.72	67.91	39.35	62.88	36.77	61.00	36.41	57.85	36.04	56.59	35.67	
	-18.80	-19.00	74.10	40.65	73.42	40.28	67.98	37.64	65.94	37.26	62.54	36.89	61.18	36.51	
	-14.7	-15	83.36	42.34	82.60	41.95	76.48	39.20	74.18	38.81	70.36	38.42	68.83	38.03	
	-12.6	-13	92.62	42.71	91.77	42.32	84.98	39.55	82.43	39.15	78.18	38.76	76.48	38.36	
	-10.5	-11	100.03	43.09	99.11	42.69	91.77	39.90	89.02	39.50	84.43	39.10	82.60	38.70	
	-9.5	-10	105.59	43.84	104.62	43.43	96.87	40.59	93.97	40.18	89.12	39.78	87.18	39.37	
	-8.5	-9.1	111.15	44.96	110.13	44.54	101.97	41.63	98.91	41.21	93.81	40.80	91.77	40.38	
	-7	-7.6	129.67	46.08	128.48	45.66	118.97	42.67	115.40	42.24	109.45	41.82	107.07	41.39	
	-5	-5.6	138.93	47.96	137.66	47.51	127.46	44.41	123.64	43.96	117.27	43.52	114.72	43.07	
	-3	-3.7	148.20	50.58	146.84	50.11	135.96	46.83	131.88	46.37	125.08	45.90	122.36	45.43	
	0	-0.7	163.02	49.46	161.52	49.00	149.56	45.79	145.07	45.34	137.59	44.88	134.60	44.42	
	3	2.2	175.98	44.96	174.37	44.54	161.45	41.63	156.61	41.21	148.54	40.80	145.31	40.38	
	5	4.1	179.69	43.09	178.04	42.69	164.85	39.90	159.91	39.50	151.66	39.10	148.37	38.70	
	7	6	185.25	37.47	183.55	37.12	169.95	34.69	164.85	34.35	156.35	34.00	152.96	33.65	
	9	7.9	188.95	37.09	187.22	36.75	173.35	34.35	168.15	34.00	159.48	33.66	156.01	33.31	
	11	9.8	188.95	36.72	187.22	36.38	173.35	34.00	168.15	33.66	159.48	33.32	156.01	32.98	
	13	11.8	188.95	36.53	187.22	36.19	173.35	33.82	168.15	33.49	159.48	33.15	156.01	32.81	
	15	13.7	188.95	36.34	187.22	36.01	173.35	33.65	168.15	33.31	159.48	32.98	156.01	32.64	
19	14.2	190.68	36.16	187.22	35.82	173.35	33.48	168.15	33.14	159.48	32.81	156.01	32.47		
21	15	190.68	35.97	187.22	35.64	173.35	33.30	168.15	32.97	159.48	32.64	156.01	32.31		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT052S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	67.21	40.12	66.59	39.75	61.66	37.15	59.81	36.78	56.73	36.41	55.49	36.03	
	-18.80	-19.00	72.66	41.07	71.99	40.69	66.66	38.02	64.66	37.64	61.33	37.26	59.99	36.88	
	-14.7	-15	81.74	42.77	80.99	42.37	74.99	39.60	72.74	39.21	68.99	38.81	67.49	38.41	
	-12.6	-13	90.82	43.15	89.99	42.75	83.33	39.95	80.83	39.55	76.66	39.15	74.99	38.75	
	-10.5	-11	98.09	43.53	97.19	43.12	89.99	40.30	87.29	39.90	82.79	39.50	80.99	39.09	
	-9.5	-10	103.54	44.28	102.59	43.87	94.99	41.00	92.14	40.59	87.39	40.18	85.49	39.77	
	-8.5	-9.1	108.99	45.42	107.99	45.00	99.99	42.06	96.99	41.63	91.99	41.21	89.99	40.79	
	-7	-7.6	127.15	46.56	125.99	46.12	116.66	43.11	113.16	42.68	107.32	42.24	104.99	41.81	
	-5	-5.6	136.24	48.45	134.99	48.00	124.99	44.86	121.24	44.41	114.99	43.96	112.49	43.51	
	-3	-3.7	145.32	51.10	143.99	50.62	133.32	47.31	129.32	46.84	122.65	46.37	119.99	45.89	
	0	-0.7	159.85	49.96	158.38	49.50	146.65	46.26	142.25	45.80	134.92	45.34	131.99	44.87	
	3	2.2	172.57	45.42	170.98	45.00	158.32	42.06	153.57	41.63	145.65	41.21	142.49	40.79	
	5	4.1	176.20	43.53	174.58	43.12	161.65	40.30	156.80	39.90	148.72	39.50	145.49	39.09	
	7	6	181.65	37.85	179.98	37.50	166.65	35.05	161.65	34.70	153.32	34.35	149.99	33.99	
	9	7.9	185.28	37.47	183.58	37.12	169.98	34.70	164.88	34.35	156.38	34.00	152.98	33.65	
	11	9.8	185.28	37.09	183.58	36.75	169.98	34.35	164.88	34.00	156.38	33.66	152.98	33.31	
	13	11.8	185.28	36.90	183.58	36.56	169.98	34.17	164.88	33.83	156.38	33.49	152.98	33.14	
	15	13.7	185.28	36.71	183.58	36.37	169.98	33.99	164.88	33.65	156.38	33.31	152.98	32.97	
	19	14.2	186.98	36.52	183.58	36.19	169.98	33.82	164.88	33.48	156.38	33.14	152.98	32.80	
21	15	186.98	36.34	183.58	36.00	169.98	33.64	164.88	33.31	156.38	32.97	152.98	32.63		
100%	-22.90	-23.00	66.54	40.53	65.93	40.15	61.05	37.52	59.22	37.15	56.17	36.77	54.95	36.40	
	-18.80	-19.00	71.94	41.48	71.28	41.10	66.00	38.41	64.02	38.02	60.72	37.64	59.40	37.26	
	-14.7	-15	80.93	43.20	80.19	42.80	74.25	40.00	72.02	39.60	68.31	39.20	66.83	38.80	
	-12.6	-13	89.93	43.58	89.10	43.18	82.50	40.36	80.03	39.95	75.90	39.55	74.25	39.15	
	-10.5	-11	97.12	43.97	96.23	43.56	89.10	40.71	86.43	40.30	81.97	39.90	80.19	39.49	
	-9.5	-10	102.51	44.73	101.57	44.32	94.05	41.42	91.23	41.00	86.53	40.59	84.65	40.18	
	-8.5	-9.1	107.91	45.88	106.92	45.45	99.00	42.48	96.03	42.06	91.08	41.63	89.10	41.21	
	-7	-7.6	125.90	47.03	124.74	46.59	115.50	43.54	112.04	43.11	106.26	42.67	103.95	42.24	
	-5	-5.6	134.89	48.94	133.65	48.48	123.75	45.31	120.04	44.86	113.85	44.41	111.38	43.95	
	-3	-3.7	143.88	51.61	142.56	51.14	132.00	47.79	128.04	47.31	121.44	46.83	118.80	46.36	
	0	-0.7	158.27	50.47	156.82	50.00	145.20	46.73	140.84	46.26	133.58	45.79	130.68	45.33	
	3	2.2	170.86	45.88	169.29	45.45	156.75	42.48	152.05	42.06	144.21	41.63	141.08	41.21	
	5	4.1	174.45	43.97	172.85	43.56	160.05	40.71	155.25	40.30	147.25	39.90	144.05	39.49	
	7	6	179.85	38.23	178.20	37.88	165.00	35.40	160.05	35.05	151.80	34.69	148.50	34.34	
	9	7.9	183.45	37.85	181.76	37.50	168.30	35.05	163.25	34.70	154.84	34.35	151.47	33.99	
	11	9.8	183.45	37.47	181.76	37.12	168.30	34.69	163.25	34.35	154.84	34.00	151.47	33.65	
	13	11.8	183.45	37.28	181.76	36.93	168.30	34.52	163.25	34.17	154.84	33.82	151.47	33.48	
	15	13.7	183.45	37.09	181.76	36.74	168.30	34.34	163.25	33.99	154.84	33.65	151.47	33.31	
	19	14.2	185.13	36.89	181.76	36.55	168.30	34.16	163.25	33.82	154.84	33.48	151.47	33.14	
21	15	185.13	36.70	181.76	36.36	168.30	33.98	163.25	33.64	154.84	33.30	151.47	32.96		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT052S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	61.22	36.88	60.66	36.54	56.17	34.15	54.48	33.81	51.67	33.46	50.55	33.12	
	-18.80	-19.00	66.18	37.75	65.58	37.40	60.72	34.95	58.90	34.60	55.86	34.25	54.65	33.90	
	-14.7	-15	74.46	39.31	73.77	38.95	68.31	36.40	66.26	36.04	62.85	35.67	61.48	35.31	
	-12.6	-13	82.73	39.66	81.97	39.29	75.90	36.72	73.62	36.36	69.83	35.99	68.31	35.62	
	-10.5	-11	89.35	40.01	88.53	39.64	81.97	37.05	79.51	36.68	75.41	36.31	73.77	35.93	
	-9.5	-10	94.31	40.71	93.45	40.33	86.53	37.69	83.93	37.31	79.60	36.94	77.87	36.56	
	-8.5	-9.1	99.28	41.75	98.37	41.36	91.08	38.66	88.35	38.27	83.79	37.88	81.97	37.50	
	-7	-7.6	115.82	42.79	114.76	42.40	106.26	39.62	103.07	39.23	97.76	38.83	95.63	38.43	
	-5	-5.6	124.10	44.53	122.96	44.12	113.85	41.23	110.43	40.82	104.74	40.41	102.47	40.00	
	-3	-3.7	132.37	46.97	131.16	46.53	121.44	43.49	117.80	43.05	111.72	42.62	109.30	42.18	
	0	-0.7	145.61	45.92	144.27	45.50	133.58	42.52	129.58	42.10	122.90	41.67	120.23	41.25	
	3	2.2	157.19	41.75	155.75	41.36	144.21	38.66	139.88	38.27	132.67	37.88	129.79	37.50	
	5	4.1	160.50	40.01	159.03	39.64	147.25	37.05	142.83	36.68	135.47	36.31	132.52	35.93	
	7	6	165.46	34.79	163.94	34.47	151.80	32.21	147.25	31.89	139.66	31.57	136.62	31.25	
	9	7.9	168.77	34.44	167.22	34.12	154.84	31.89	150.19	31.57	142.45	31.25	139.35	30.94	
	11	9.8	168.77	34.10	167.22	33.78	154.84	31.57	150.19	31.25	142.45	30.94	139.35	30.62	
	13	11.8	168.77	33.92	167.22	33.61	154.84	31.41	150.19	31.09	142.45	30.78	139.35	30.47	
	15	13.7	168.77	33.75	167.22	33.43	154.84	31.25	150.19	30.94	142.45	30.62	139.35	30.31	
19	14.2	170.32	33.57	167.22	33.26	154.84	31.09	150.19	30.78	142.45	30.46	139.35	30.15		
21	15	170.32	33.40	167.22	33.09	154.84	30.93	150.19	30.62	142.45	30.31	139.35	30.00		
80%	-22.90	-23.00	53.90	29.87	53.41	29.60	49.45	27.66	47.97	27.38	45.49	27.11	44.51	26.83	
	-18.80	-19.00	58.27	30.58	57.74	30.29	53.46	28.31	51.86	28.03	49.18	27.75	48.11	27.46	
	-14.7	-15	65.56	31.84	64.95	31.55	60.14	29.49	58.34	29.19	55.33	28.90	54.13	28.60	
	-12.6	-13	72.84	32.13	72.17	31.83	66.83	29.75	64.82	29.45	61.48	29.15	60.14	28.85	
	-10.5	-11	78.67	32.41	77.94	32.11	72.17	30.01	70.01	29.71	66.40	29.41	64.95	29.11	
	-9.5	-10	83.04	32.97	82.27	32.67	76.18	30.53	73.90	30.22	70.09	29.92	68.56	29.61	
	-8.5	-9.1	87.41	33.82	86.61	33.50	80.19	31.31	77.78	31.00	73.77	30.69	72.17	30.37	
	-7	-7.6	101.97	34.66	101.04	34.34	93.56	32.09	90.75	31.77	86.07	31.45	84.20	31.13	
	-5	-5.6	109.26	36.07	108.26	35.74	100.24	33.40	97.23	33.07	92.22	32.73	90.21	32.40	
	-3	-3.7	116.54	38.04	115.47	37.69	106.92	35.23	103.71	34.87	98.37	34.52	96.23	34.17	
	0	-0.7	128.20	37.20	127.02	36.85	117.61	34.44	114.08	34.10	108.20	33.75	105.85	33.41	
	3	2.2	138.39	33.82	137.12	33.50	126.97	31.31	123.16	31.00	116.81	30.69	114.27	30.37	
	5	4.1	141.31	32.41	140.01	32.11	129.64	30.01	125.75	29.71	119.27	29.41	116.68	29.11	
	7	6	145.68	28.18	144.34	27.92	133.65	26.09	129.64	25.83	122.96	25.57	120.29	25.31	
	9	7.9	148.59	27.90	147.23	27.64	136.32	25.83	132.23	25.57	125.42	25.32	122.69	25.06	
	11	9.8	148.59	27.62	147.23	27.36	136.32	25.57	132.23	25.32	125.42	25.06	122.69	24.80	
	13	11.8	148.59	27.48	147.23	27.22	136.32	25.44	132.23	25.19	125.42	24.93	122.69	24.68	
	15	13.7	148.59	27.34	147.23	27.08	136.32	25.31	132.23	25.06	125.42	24.80	122.69	24.55	
19	14.2	149.96	27.19	147.23	26.94	136.32	25.18	132.23	24.93	125.42	24.68	122.69	24.42		
21	15	149.96	27.05	147.23	26.80	136.32	25.05	132.23	24.80	125.42	24.55	122.69	24.30		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT052S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	46.58	28.37	46.15	28.11	42.74	26.27	41.45	26.00	39.32	25.74	38.46	25.48	
	-18.80	-19.00	50.36	29.04	49.90	28.77	46.20	26.89	44.81	26.62	42.50	26.35	41.58	26.08	
	-14.7	-15	56.65	30.24	56.13	29.96	51.98	28.00	50.42	27.72	47.82	27.44	46.78	27.16	
	-12.6	-13	62.95	30.51	62.37	30.23	57.75	28.25	56.02	27.97	53.13	27.68	51.98	27.40	
	-10.5	-11	67.98	30.78	67.36	30.49	62.37	28.50	60.50	28.21	57.38	27.93	56.13	27.64	
	-9.5	-10	71.76	31.31	71.10	31.02	65.84	28.99	63.86	28.70	60.57	28.41	59.25	28.12	
	-8.5	-9.1	75.54	32.11	74.84	31.82	69.30	29.74	67.22	29.44	63.76	29.14	62.37	28.84	
	-7	-7.6	88.13	32.92	87.32	32.61	80.85	30.48	78.42	30.17	74.38	29.87	72.77	29.57	
	-5	-5.6	94.42	34.26	93.56	33.94	86.63	31.72	84.03	31.40	79.70	31.08	77.96	30.77	
	-3	-3.7	100.72	36.13	99.79	35.79	92.40	33.45	89.63	33.12	85.01	32.78	83.16	32.45	
	0	-0.7	110.79	35.33	109.77	35.00	101.64	32.71	98.59	32.38	93.51	32.06	91.48	31.73	
	3	2.2	119.60	32.11	118.50	31.82	109.73	29.74	106.43	29.44	100.95	29.14	98.75	28.84	
	5	4.1	122.12	30.78	121.00	30.49	112.04	28.50	108.67	28.21	103.07	27.93	100.83	27.64	
	7	6	125.90	26.76	124.74	26.51	115.50	24.78	112.04	24.53	106.26	24.28	103.95	24.04	
	9	7.9	128.41	26.49	127.23	26.25	117.81	24.53	114.28	24.29	108.39	24.04	106.03	23.80	
	11	9.8	128.41	26.23	127.23	25.98	117.81	24.28	114.28	24.04	108.39	23.80	106.03	23.56	
	13	11.8	128.41	26.09	127.23	25.85	117.81	24.16	114.28	23.92	108.39	23.68	106.03	23.44	
	15	13.7	128.41	25.96	127.23	25.72	117.81	24.04	114.28	23.80	108.39	23.56	106.03	23.32	
19	14.2	129.59	25.83	127.23	25.59	117.81	23.91	114.28	23.67	108.39	23.43	106.03	23.20		
21	15	129.59	25.69	127.23	25.45	117.81	23.79	114.28	23.55	108.39	23.31	106.03	23.08		
60%	-22.90	-23.00	41.92	25.13	41.54	24.89	38.46	23.26	37.31	23.03	35.38	22.80	34.62	22.57	
	-18.80	-19.00	45.32	25.72	44.91	25.48	41.58	23.81	40.33	23.58	38.25	23.34	37.42	23.10	
	-14.7	-15	50.99	26.79	50.52	26.54	46.78	24.80	45.37	24.55	43.04	24.31	42.10	24.06	
	-12.6	-13	56.65	27.02	56.13	26.77	51.98	25.02	50.42	24.77	47.82	24.52	46.78	24.27	
	-10.5	-11	61.18	27.26	60.62	27.01	56.13	25.24	54.45	24.99	51.64	24.74	50.52	24.48	
	-9.5	-10	64.58	27.73	63.99	27.48	59.25	25.68	57.47	25.42	54.51	25.17	53.33	24.91	
	-8.5	-9.1	67.98	28.44	67.36	28.18	62.37	26.34	60.50	26.07	57.38	25.81	56.13	25.55	
	-7	-7.6	79.31	29.16	78.59	28.89	72.77	27.00	70.58	26.73	66.94	26.46	65.49	26.19	
	-5	-5.6	84.98	30.34	84.20	30.06	77.96	28.09	75.62	27.81	71.73	27.53	70.17	27.25	
	-3	-3.7	90.64	32.00	89.81	31.70	83.16	29.63	80.67	29.33	76.51	29.04	74.84	28.74	
	0	-0.7	99.71	31.29	98.79	31.00	91.48	28.97	88.73	28.68	84.16	28.39	82.33	28.10	
	3	2.2	107.64	28.44	106.65	28.18	98.75	26.34	95.79	26.07	90.85	25.81	88.88	25.55	
	5	4.1	109.91	27.26	108.90	27.01	100.83	25.24	97.81	24.99	92.76	24.74	90.75	24.48	
	7	6	113.31	23.70	112.27	23.48	103.95	21.95	100.83	21.73	95.63	21.51	93.56	21.29	
	9	7.9	115.57	23.47	114.51	23.25	106.03	21.73	102.85	21.51	97.55	21.29	95.43	21.08	
	11	9.8	115.57	23.23	114.51	23.01	106.03	21.51	102.85	21.29	97.55	21.08	95.43	20.86	
	13	11.8	115.57	23.11	114.51	22.90	106.03	21.40	102.85	21.19	97.55	20.97	95.43	20.76	
	15	13.7	115.57	22.99	114.51	22.78	106.03	21.29	102.85	21.08	97.55	20.86	95.43	20.65	
19	14.2	116.63	22.87	114.51	22.66	106.03	21.18	102.85	20.97	97.55	20.76	95.43	20.54		
21	15	116.63	22.76	114.51	22.54	106.03	21.07	102.85	20.86	97.55	20.65	95.43	20.44		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT052S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	35.93	26.34	35.60	26.10	32.97	24.39	31.98	24.15	30.33	23.90	29.67	23.66	
	-18.80	-19.00	38.85	26.96	38.49	26.71	35.64	24.97	34.57	24.72	32.79	24.47	32.08	24.22	
	-14.7	-15	43.70	28.08	43.30	27.82	40.10	26.00	38.89	25.74	36.89	25.48	36.09	25.22	
	-12.6	-13	48.56	28.33	48.11	28.07	44.55	26.23	43.21	25.97	40.99	25.71	40.10	25.44	
	-10.5	-11	52.44	28.58	51.96	28.31	48.11	26.46	46.67	26.20	44.26	25.93	43.30	25.67	
	-9.5	-10	55.36	29.08	54.85	28.81	50.79	26.92	49.26	26.65	46.72	26.38	45.71	26.11	
	-8.5	-9.1	58.27	29.82	57.74	29.54	53.46	27.61	51.86	27.34	49.18	27.06	48.11	26.78	
	-7	-7.6	67.98	30.57	67.36	30.28	62.37	28.30	60.50	28.02	57.38	27.74	56.13	27.45	
	-5	-5.6	72.84	31.81	72.17	31.51	66.83	29.45	64.82	29.16	61.48	28.86	60.14	28.57	
	-3	-3.7	77.70	33.55	76.98	33.24	71.28	31.06	69.14	30.75	65.58	30.44	64.15	30.13	
	0	-0.7	85.46	32.80	84.68	32.50	78.41	30.37	76.06	30.07	72.14	29.77	70.57	29.46	
	3	2.2	92.26	29.82	91.42	29.54	84.65	27.61	82.11	27.34	77.87	27.06	76.18	26.78	
	5	4.1	94.21	28.58	93.34	28.31	86.43	26.46	83.83	26.20	79.51	25.93	77.78	25.67	
	7	6	97.12	24.85	96.23	24.62	89.10	23.01	86.43	22.78	81.97	22.55	80.19	22.32	
	9	7.9	99.06	24.60	98.15	24.37	90.88	22.78	88.16	22.55	83.61	22.32	81.79	22.10	
	11	9.8	99.06	24.35	98.15	24.13	90.88	22.55	88.16	22.32	83.61	22.10	81.79	21.87	
	13	11.8	99.06	24.23	98.15	24.01	90.88	22.43	88.16	22.21	83.61	21.99	81.79	21.76	
15	13.7	99.06	24.11	98.15	23.88	90.88	22.32	88.16	22.10	83.61	21.87	81.79	21.65		
19	14.2	99.97	23.98	98.15	23.76	90.88	22.20	88.16	21.98	83.61	21.76	81.79	21.54		
21	15	99.97	23.86	98.15	23.64	90.88	22.09	88.16	21.87	83.61	21.65	81.79	21.43		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT054S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	70.46	45.06	69.82	44.64	64.65	41.72	62.71	41.31	59.47	40.89	58.18	40.47	
	-18.80	-19.00	76.18	45.69	75.48	45.27	69.89	42.31	67.79	41.89	64.30	41.46	62.90	41.04	
	-14.7	-15	85.70	47.59	84.91	47.15	78.62	44.06	76.27	43.62	72.33	43.18	70.76	42.74	
	-12.6	-13	95.22	48.01	94.35	47.56	87.36	44.45	84.74	44.01	80.37	43.56	78.62	43.12	
	-10.5	-11	102.84	48.43	101.90	47.98	94.35	44.84	91.52	44.39	86.80	43.95	84.91	43.50	
	-9.5	-10	108.55	49.27	107.56	48.82	99.59	45.62	96.60	45.17	91.62	44.71	89.63	44.25	
	-8.5	-9.1	114.27	50.54	113.22	50.07	104.83	46.79	101.69	46.32	96.45	45.86	94.35	45.39	
	-7	-7.6	133.31	51.80	132.09	51.32	122.30	47.96	118.63	47.48	112.52	47.00	110.07	46.52	
	-5	-5.6	142.83	53.91	141.52	53.41	131.04	49.91	127.11	49.41	120.56	48.91	117.94	48.41	
	-3	-3.7	152.36	56.85	150.96	56.33	139.78	52.64	135.58	52.12	128.59	51.59	125.80	51.06	
	0	-0.7	167.59	55.59	166.05	55.08	153.75	51.47	149.14	50.96	141.45	50.44	138.38	49.93	
	3	2.2	180.92	50.54	179.26	50.07	165.98	46.79	161.00	46.32	152.71	45.86	149.39	45.39	
	5	4.1	184.73	48.43	183.04	47.98	169.48	44.84	164.39	44.39	155.92	43.95	152.53	43.50	
	7	6	190.44	42.11	188.70	41.72	174.72	38.99	169.48	38.60	160.74	38.21	157.25	37.82	
	9	7.9	194.25	41.69	192.47	41.31	178.21	38.60	172.87	38.22	163.96	37.83	160.39	37.45	
	11	9.8	194.25	41.27	192.47	40.89	178.21	38.21	172.87	37.83	163.96	37.45	160.39	37.07	
	13	11.8	194.25	41.06	192.47	40.68	178.21	38.02	172.87	37.64	163.96	37.26	160.39	36.88	
	15	13.7	194.25	40.85	192.47	40.47	178.21	37.82	172.87	37.45	163.96	37.07	160.39	36.69	
19	14.2	196.04	40.64	192.47	40.26	178.21	37.63	172.87	37.25	163.96	36.88	160.39	36.50		
21	15	196.04	40.43	192.47	40.05	178.21	37.43	172.87	37.06	163.96	36.69	160.39	36.31		
120%	-22.90	-23.00	69.79	45.53	69.15	45.10	64.02	42.15	62.10	41.73	58.90	41.31	57.62	40.89	
	-18.80	-19.00	75.45	46.16	74.75	45.74	69.22	42.74	67.14	42.32	63.68	41.89	62.29	41.46	
	-14.7	-15	84.88	48.08	84.10	47.63	77.87	44.52	75.53	44.07	71.64	43.63	70.08	43.18	
	-12.6	-13	94.31	48.50	93.44	48.06	86.52	44.91	83.92	44.46	79.60	44.01	77.87	43.56	
	-10.5	-11	101.85	48.93	100.92	48.48	93.44	45.31	90.64	44.85	85.97	44.40	84.10	43.95	
	-9.5	-10	107.51	49.78	106.52	49.32	98.63	46.09	95.67	45.63	90.74	45.17	88.77	44.71	
	-8.5	-9.1	113.17	51.06	112.13	50.58	103.82	47.28	100.71	46.80	95.52	46.33	93.44	45.86	
	-7	-7.6	132.03	52.33	130.82	51.85	121.13	48.46	117.49	47.97	111.44	47.49	109.02	47.00	
	-5	-5.6	141.46	54.46	140.16	53.96	129.78	50.43	125.89	49.92	119.40	49.42	116.80	48.91	
	-3	-3.7	150.89	57.44	149.51	56.91	138.43	53.18	134.28	52.65	127.36	52.12	124.59	51.59	
	0	-0.7	165.98	56.16	164.46	55.64	152.28	52.00	147.71	51.48	140.09	50.96	137.05	50.44	
	3	2.2	179.18	51.06	177.54	50.58	164.39	47.28	159.46	46.80	151.24	46.33	147.95	45.86	
	5	4.1	182.96	48.93	181.28	48.48	167.85	45.31	162.81	44.85	154.42	44.40	151.06	43.95	
	7	6	188.61	42.55	186.88	42.15	173.04	39.40	167.85	39.00	159.20	38.61	155.74	38.21	
	9	7.9	192.39	42.12	190.62	41.73	176.50	39.00	171.21	38.61	162.38	38.22	158.85	37.83	
	11	9.8	192.39	41.70	190.62	41.31	176.50	38.61	171.21	38.22	162.38	37.84	158.85	37.45	
	13	11.8	192.39	41.48	190.62	41.10	176.50	38.41	171.21	38.03	162.38	37.64	158.85	37.26	
	15	13.7	192.39	41.27	190.62	40.89	176.50	38.21	171.21	37.83	162.38	37.45	158.85	37.07	
19	14.2	194.15	41.06	190.62	40.68	176.50	38.02	171.21	37.64	162.38	37.26	158.85	36.88		
21	15	194.15	40.85	190.62	40.47	176.50	37.82	171.21	37.44	162.38	37.06	158.85	36.69		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT054S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	68.43	45.99	67.80	45.56	62.78	42.58	60.90	42.16	57.76	41.73	56.50	41.31	
	-18.80	-19.00	73.98	46.64	73.30	46.20	67.87	43.18	65.84	42.75	62.44	42.32	61.08	41.89	
	-14.7	-15	83.23	48.57	82.46	48.12	76.36	44.97	74.07	44.52	70.25	44.07	68.72	43.62	
	-12.6	-13	92.48	49.00	91.63	48.55	84.84	45.37	82.29	44.92	78.05	44.46	76.36	44.01	
	-10.5	-11	99.87	49.43	98.96	48.97	91.63	45.77	88.88	45.31	84.30	44.85	82.46	44.39	
	-9.5	-10	105.42	50.29	104.46	49.82	96.72	46.56	93.82	46.10	88.98	45.63	87.05	45.17	
	-8.5	-9.1	110.97	51.58	109.95	51.10	101.81	47.76	98.75	47.28	93.66	46.80	91.63	46.32	
	-7	-7.6	129.47	52.87	128.28	52.38	118.78	48.95	115.21	48.46	109.27	47.97	106.90	47.48	
	-5	-5.6	138.71	55.02	137.44	54.51	127.26	50.94	123.44	50.43	117.08	49.92	114.53	49.41	
	-3	-3.7	147.96	58.03	146.60	57.49	135.74	53.73	131.67	53.19	124.88	52.65	122.17	52.12	
	0	-0.7	162.76	56.74	161.26	56.21	149.32	52.53	144.84	52.01	137.37	51.48	134.39	50.96	
	3	2.2	175.70	51.58	174.09	51.10	161.20	47.76	156.36	47.28	148.30	46.80	145.08	46.32	
	5	4.1	179.40	49.43	177.76	48.97	164.59	45.77	159.65	45.31	151.42	44.85	148.13	44.39	
	7	6	184.95	42.98	183.25	42.58	169.68	39.80	164.59	39.40	156.11	39.00	152.71	38.60	
	9	7.9	188.65	42.55	186.92	42.16	173.07	39.40	167.88	39.01	159.23	38.61	155.77	38.22	
	11	9.8	188.65	42.12	186.92	41.73	173.07	39.00	167.88	38.61	159.23	38.22	155.77	37.83	
	13	11.8	188.65	41.91	186.92	41.52	173.07	38.80	167.88	38.42	159.23	38.03	155.77	37.64	
	15	13.7	188.65	41.69	186.92	41.31	173.07	38.60	167.88	38.22	159.23	37.83	155.77	37.45	
19	14.2	190.38	41.48	186.92	41.09	173.07	38.41	167.88	38.02	159.23	37.64	155.77	37.25		
21	15	190.38	41.26	186.92	40.88	173.07	38.21	167.88	37.82	159.23	37.44	155.77	37.06		
100%	-22.90	-23.00	67.75	46.46	67.13	46.02	62.16	43.01	60.30	42.58	57.19	42.15	55.94	41.72	
	-18.80	-19.00	73.25	47.11	72.58	46.67	67.20	43.62	65.18	43.18	61.82	42.74	60.48	42.31	
	-14.7	-15	82.40	49.06	81.65	48.61	75.60	45.43	73.33	44.97	69.55	44.52	68.04	44.06	
	-12.6	-13	91.56	49.49	90.72	49.04	84.00	45.83	81.48	45.37	77.28	44.91	75.60	44.45	
	-10.5	-11	98.88	49.93	97.98	49.47	90.72	46.23	88.00	45.77	83.46	45.31	81.65	44.84	
	-9.5	-10	104.38	50.80	103.42	50.33	95.76	47.03	92.89	46.56	88.10	46.09	86.18	45.62	
	-8.5	-9.1	109.87	52.10	108.86	51.62	100.80	48.24	97.78	47.76	92.74	47.28	90.72	46.79	
	-7	-7.6	128.18	53.40	127.01	52.91	117.60	49.45	114.07	48.95	108.19	48.46	105.84	47.96	
	-5	-5.6	137.34	55.57	136.08	55.06	126.00	51.46	122.22	50.94	115.92	50.43	113.40	49.91	
	-3	-3.7	146.50	58.61	145.15	58.07	134.40	54.27	130.37	53.73	123.65	53.18	120.96	52.64	
	0	-0.7	161.15	57.31	159.67	56.78	147.84	53.06	143.40	52.53	136.01	52.00	133.06	51.47	
	3	2.2	173.96	52.10	172.37	51.62	159.60	48.24	154.81	47.76	146.83	47.28	143.64	46.79	
	5	4.1	177.63	49.93	176.00	49.47	162.96	46.23	158.07	45.77	149.92	45.31	146.66	44.84	
	7	6	183.12	43.42	181.44	43.01	168.00	40.20	162.96	39.80	154.56	39.40	151.20	38.99	
	9	7.9	186.78	42.98	185.07	42.58	171.36	39.80	166.22	39.40	157.65	39.00	154.22	38.60	
	11	9.8	186.78	42.55	185.07	42.15	171.36	39.40	166.22	39.00	157.65	38.61	154.22	38.21	
	13	11.8	186.78	42.33	185.07	41.94	171.36	39.20	166.22	38.80	157.65	38.41	154.22	38.02	
	15	13.7	186.78	42.11	185.07	41.72	171.36	38.99	166.22	38.60	157.65	38.21	154.22	37.82	
19	14.2	188.50	41.90	185.07	41.51	171.36	38.79	166.22	38.41	157.65	38.02	154.22	37.63		
21	15	188.50	41.68	185.07	41.29	171.36	38.59	166.22	38.21	157.65	37.82	154.22	37.43		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT054S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	62.33	42.27	61.76	41.88	57.19	39.14	55.47	38.75	52.61	38.36	51.47	37.97	
	-18.80	-19.00	67.39	42.87	66.77	42.47	61.82	39.69	59.97	39.29	56.88	38.90	55.64	38.50	
	-14.7	-15	75.81	44.64	75.12	44.23	69.55	41.34	67.47	40.92	63.99	40.51	62.60	40.10	
	-12.6	-13	84.24	45.04	83.46	44.62	77.28	41.70	74.96	41.29	71.10	40.87	69.55	40.45	
	-10.5	-11	90.97	45.43	90.14	45.01	83.46	42.07	80.96	41.65	76.79	41.23	75.12	40.81	
	-9.5	-10	96.03	46.23	95.15	45.80	88.10	42.80	85.46	42.37	81.05	41.94	79.29	41.52	
	-8.5	-9.1	101.08	47.41	100.15	46.97	92.74	43.90	89.95	43.46	85.32	43.02	83.46	42.58	
	-7	-7.6	117.93	48.60	116.85	48.15	108.19	45.00	104.95	44.55	99.54	44.10	97.37	43.65	
	-5	-5.6	126.35	50.57	125.19	50.10	115.92	46.82	112.44	46.36	106.65	45.89	104.33	45.42	
	-3	-3.7	134.78	53.34	133.54	52.84	123.65	49.39	119.94	48.89	113.76	48.40	111.28	47.90	
	0	-0.7	148.25	52.15	146.89	51.67	136.01	48.29	131.93	47.81	125.13	47.32	122.41	46.84	
	3	2.2	160.05	47.41	158.58	46.97	146.83	43.90	142.43	43.46	135.09	43.02	132.15	42.58	
	5	4.1	163.42	45.43	161.92	45.01	149.92	42.07	145.43	41.65	137.93	41.23	134.93	40.81	
	7	6	168.47	39.51	166.92	39.14	154.56	36.58	149.92	36.22	142.20	35.85	139.10	35.48	
	9	7.9	171.84	39.11	170.26	38.75	157.65	36.22	152.92	35.85	145.04	35.49	141.89	35.13	
	11	9.8	171.84	38.72	170.26	38.36	157.65	35.85	152.92	35.49	145.04	35.13	141.89	34.77	
	13	11.8	171.84	38.52	170.26	38.16	157.65	35.67	152.92	35.31	145.04	34.95	141.89	34.60	
	15	13.7	171.84	38.32	170.26	37.97	157.65	35.48	152.92	35.13	145.04	34.77	141.89	34.42	
19	14.2	173.42	38.13	170.26	37.77	157.65	35.30	152.92	34.95	145.04	34.60	141.89	34.24		
21	15	173.42	37.93	170.26	37.58	157.65	35.12	152.92	34.77	145.04	34.42	141.89	34.07		
80%	-22.90	-23.00	54.88	34.24	54.38	33.93	50.35	31.71	48.84	31.39	46.32	31.07	45.31	30.75	
	-18.80	-19.00	59.33	34.72	58.79	34.40	54.43	32.15	52.80	31.83	50.08	31.51	48.99	31.19	
	-14.7	-15	66.75	36.16	66.13	35.83	61.24	33.48	59.40	33.15	56.34	32.81	55.11	32.48	
	-12.6	-13	74.16	36.48	73.48	36.14	68.04	33.78	66.00	33.44	62.60	33.10	61.24	32.77	
	-10.5	-11	80.10	36.80	79.36	36.46	73.48	34.08	71.28	33.74	67.60	33.39	66.13	33.05	
	-9.5	-10	84.55	37.44	83.77	37.10	77.57	34.67	75.24	34.32	71.36	33.98	69.81	33.63	
	-8.5	-9.1	89.00	38.40	88.18	38.05	81.65	35.56	79.20	35.20	75.12	34.85	73.48	34.49	
	-7	-7.6	103.83	39.36	102.88	39.00	95.26	36.45	92.40	36.08	87.64	35.72	85.73	35.35	
	-5	-5.6	111.25	40.96	110.22	40.58	102.06	37.93	99.00	37.55	93.90	37.17	91.85	36.79	
	-3	-3.7	118.66	43.20	117.57	42.80	108.86	40.00	105.60	39.60	100.15	39.20	97.98	38.80	
	0	-0.7	130.53	42.24	129.33	41.85	119.75	39.11	116.16	38.72	110.17	38.33	107.78	37.94	
	3	2.2	140.91	38.40	139.62	38.05	129.28	35.56	125.40	35.20	118.93	34.85	116.35	34.49	
	5	4.1	143.88	36.80	142.56	36.46	132.00	34.08	128.04	33.74	121.44	33.39	118.80	33.05	
	7	6	148.33	32.00	146.97	31.71	136.08	29.63	132.00	29.34	125.19	29.04	122.47	28.74	
	9	7.9	151.29	31.68	149.91	31.39	138.80	29.34	134.64	29.04	127.70	28.75	124.92	28.46	
	11	9.8	151.29	31.36	149.91	31.07	138.80	29.04	134.64	28.75	127.70	28.46	124.92	28.17	
	13	11.8	151.29	31.20	149.91	30.91	138.80	28.89	134.64	28.60	127.70	28.31	124.92	28.02	
	15	13.7	151.29	31.04	149.91	30.75	138.80	28.74	134.64	28.46	127.70	28.17	124.92	27.88	
19	14.2	152.68	30.88	149.91	30.60	138.80	28.59	134.64	28.31	127.70	28.02	124.92	27.74		
21	15	152.68	30.72	149.91	30.44	138.80	28.45	134.64	28.16	127.70	27.88	124.92	27.59		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT054S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-22.90	-23.00	47.43	32.52	46.99	32.22	43.51	30.11	42.21	29.81	40.03	29.51	39.16	29.21	
	-18.80	-19.00	51.27	32.97	50.80	32.67	47.04	30.53	45.63	30.23	43.28	29.92	42.34	29.62	
	-14.7	-15	57.68	34.34	57.15	34.02	52.92	31.80	51.33	31.48	48.69	31.16	47.63	30.84	
	-12.6	-13	64.09	34.65	63.50	34.33	58.80	32.08	57.04	31.76	54.10	31.44	52.92	31.12	
	-10.5	-11	69.22	34.95	68.58	34.63	63.50	32.36	61.60	32.04	58.42	31.71	57.15	31.39	
	-9.5	-10	73.06	35.56	72.39	35.23	67.03	32.92	65.02	32.59	61.67	32.27	60.33	31.94	
	-8.5	-9.1	76.91	36.47	76.20	36.13	70.56	33.77	68.44	33.43	64.92	33.09	63.50	32.75	
	-7	-7.6	89.73	37.38	88.91	37.04	82.32	34.61	79.85	34.27	75.73	33.92	74.09	33.57	
	-5	-5.6	96.14	38.90	95.26	38.54	88.20	36.02	85.55	35.66	81.14	35.30	79.38	34.94	
	-3	-3.7	102.55	41.03	101.61	40.65	94.08	37.99	91.26	37.61	86.55	37.23	84.67	36.85	
	0	-0.7	112.80	40.12	111.77	39.74	103.49	37.14	100.38	36.77	95.21	36.40	93.14	36.03	
	3	2.2	121.77	36.47	120.66	36.13	111.72	33.77	108.37	33.43	102.78	33.09	100.55	32.75	
	5	4.1	124.34	34.95	123.20	34.63	114.07	32.36	110.65	32.04	104.95	31.71	102.66	31.39	
	7	6	128.18	30.39	127.01	30.11	117.60	28.14	114.07	27.86	108.19	27.58	105.84	27.30	
	9	7.9	130.75	30.09	129.55	29.81	119.95	27.86	116.35	27.58	110.36	27.30	107.96	27.02	
	11	9.8	130.75	29.78	129.55	29.51	119.95	27.58	116.35	27.30	110.36	27.03	107.96	26.75	
	13	11.8	130.75	29.63	129.55	29.36	119.95	27.44	116.35	27.16	110.36	26.89	107.96	26.61	
	15	13.7	130.75	29.48	129.55	29.21	119.95	27.30	116.35	27.02	110.36	26.75	107.96	26.48	
19	14.2	131.95	29.33	129.55	29.06	119.95	27.16	116.35	26.88	110.36	26.61	107.96	26.34		
21	15	131.95	29.18	129.55	28.91	119.95	27.01	116.35	26.74	110.36	26.47	107.96	26.20		
60%	-22.90	-23.00	42.69	28.80	42.29	28.54	39.16	26.67	37.99	26.40	36.03	26.14	35.24	25.87	
	-18.80	-19.00	46.15	29.21	45.72	28.94	42.34	27.04	41.07	26.77	38.95	26.50	38.10	26.23	
	-14.7	-15	51.91	30.42	51.44	30.14	47.63	28.16	46.20	27.88	43.82	27.60	42.87	27.32	
	-12.6	-13	57.68	30.69	57.15	30.40	52.92	28.41	51.33	28.13	48.69	27.85	47.63	27.56	
	-10.5	-11	62.30	30.96	61.73	30.67	57.15	28.66	55.44	28.38	52.58	28.09	51.44	27.80	
	-9.5	-10	65.76	31.49	65.16	31.20	60.33	29.16	58.52	28.87	55.50	28.58	54.30	28.29	
	-8.5	-9.1	69.22	32.30	68.58	32.00	63.50	29.91	61.60	29.61	58.42	29.31	57.15	29.01	
	-7	-7.6	80.76	33.11	80.02	32.80	74.09	30.66	71.87	30.35	68.16	30.04	66.68	29.74	
	-5	-5.6	86.52	34.45	85.73	34.14	79.38	31.90	77.00	31.58	73.03	31.26	71.44	30.95	
	-3	-3.7	92.29	36.34	91.45	36.00	84.67	33.65	82.13	33.31	77.90	32.97	76.20	32.64	
	0	-0.7	101.52	35.53	100.59	35.20	93.14	32.90	90.35	32.57	85.69	32.24	83.83	31.91	
	3	2.2	109.60	32.30	108.59	32.00	100.55	29.91	97.53	29.61	92.50	29.31	90.49	29.01	
	5	4.1	111.90	30.96	110.88	30.67	102.66	28.66	99.58	28.38	94.45	28.09	92.40	27.80	
	7	6	115.37	26.92	114.31	26.67	105.84	24.92	102.66	24.67	97.37	24.43	95.26	24.18	
	9	7.9	117.67	26.65	116.59	26.40	107.96	24.67	104.72	24.43	99.32	24.18	97.16	23.93	
	11	9.8	117.67	26.38	116.59	26.14	107.96	24.43	104.72	24.18	99.32	23.94	97.16	23.69	
	13	11.8	117.67	26.24	116.59	26.00	107.96	24.30	104.72	24.06	99.32	23.81	97.16	23.57	
	15	13.7	117.67	26.11	116.59	25.87	107.96	24.18	104.72	23.93	99.32	23.69	97.16	23.45	
19	14.2	118.75	25.98	116.59	25.74	107.96	24.05	104.72	23.81	99.32	23.57	97.16	23.33		
21	15	118.75	25.84	116.59	25.60	107.96	23.93	104.72	23.69	99.32	23.45	97.16	23.21		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT054S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	36.59	30.20	36.25	29.92	33.57	27.96	32.56	27.68	30.88	27.40	30.21	27.12	
	-18.80	-19.00	39.55	30.62	39.19	30.34	36.29	28.35	35.20	28.07	33.38	27.78	32.66	27.50	
	-14.7	-15	44.50	31.89	44.09	31.59	40.82	29.53	39.60	29.23	37.56	28.94	36.74	28.64	
	-12.6	-13	49.44	32.17	48.99	31.87	45.36	29.79	44.00	29.49	41.73	29.19	40.82	28.89	
	-10.5	-11	53.40	32.45	52.91	32.15	48.99	30.05	47.52	29.75	45.07	29.45	44.09	29.15	
	-9.5	-10	56.36	33.02	55.85	32.71	51.71	30.57	50.16	30.27	47.57	29.96	46.54	29.65	
	-8.5	-9.1	59.33	33.86	58.79	33.55	54.43	31.36	52.80	31.04	50.08	30.73	48.99	30.42	
	-7	-7.6	69.22	34.71	68.58	34.39	63.50	32.14	61.60	31.82	58.42	31.50	57.15	31.18	
	-5	-5.6	74.16	36.12	73.48	35.79	68.04	33.45	66.00	33.11	62.60	32.78	61.24	32.44	
	-3	-3.7	79.11	38.10	78.38	37.74	72.58	35.28	70.40	34.92	66.77	34.57	65.32	34.22	
	0	-0.7	87.02	37.25	86.22	36.91	79.83	34.49	77.44	34.15	73.45	33.80	71.85	33.46	
	3	2.2	93.94	33.86	93.08	33.55	86.18	31.36	83.60	31.04	79.29	30.73	77.57	30.42	
	5	4.1	95.92	32.45	95.04	32.15	88.00	30.05	85.36	29.75	80.96	29.45	79.20	29.15	
	7	6	98.88	28.22	97.98	27.96	90.72	26.13	88.00	25.87	83.46	25.61	81.65	25.35	
	9	7.9	100.86	27.94	99.94	27.68	92.53	25.87	89.76	25.61	85.13	25.35	83.28	25.09	
	11	9.8	100.86	27.66	99.94	27.40	92.53	25.61	89.76	25.35	85.13	25.10	83.28	24.84	
	13	11.8	100.86	27.51	99.94	27.26	92.53	25.48	89.76	25.22	85.13	24.97	83.28	24.71	
15	13.7	100.86	27.37	99.94	27.12	92.53	25.35	89.76	25.09	85.13	24.84	83.28	24.59		
19	14.2	101.79	27.23	99.94	26.98	92.53	25.22	89.76	24.96	85.13	24.71	83.28	24.46		
21	15	101.79	27.09	99.94	26.84	92.53	25.08	89.76	24.83	85.13	24.58	83.28	24.33		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT056S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	72.77	46.25	72.10	45.83	66.76	42.83	64.76	42.40	61.42	41.97	60.09	41.54	
	-18.80	-19.00	78.67	47.06	77.95	46.62	72.18	43.57	70.01	43.14	66.40	42.70	64.96	42.26	
	-14.7	-15	88.51	49.01	87.69	48.56	81.20	45.38	78.76	44.92	74.70	44.47	73.08	44.02	
	-12.6	-13	98.34	49.44	97.44	48.98	90.22	45.78	87.51	45.32	83.00	44.86	81.20	44.41	
	-10.5	-11	106.21	49.88	105.23	49.41	97.44	46.18	94.51	45.72	89.64	45.26	87.69	44.80	
	-9.5	-10	112.11	50.74	111.08	50.27	102.85	46.98	99.77	46.52	94.62	46.05	92.57	45.58	
	-8.5	-9.1	118.01	52.04	116.93	51.56	108.26	48.19	105.02	47.71	99.60	47.23	97.44	46.74	
	-7	-7.6	137.68	53.35	136.41	52.85	126.31	49.39	122.52	48.90	116.20	48.41	113.68	47.91	
	-5	-5.6	147.51	55.51	146.16	55.00	135.33	51.40	131.27	50.89	124.50	50.37	121.80	49.86	
	-3	-3.7	157.34	58.55	155.90	58.01	144.35	54.21	140.02	53.67	132.80	53.13	129.92	52.59	
	0	-0.7	173.08	57.25	171.49	56.72	158.79	53.01	154.02	52.48	146.08	51.95	142.91	51.42	
	3	2.2	186.85	52.04	185.13	51.56	171.42	48.19	166.28	47.71	157.70	47.23	154.28	46.74	
	5	4.1	190.78	49.88	189.03	49.41	175.03	46.18	169.78	45.72	161.02	45.26	157.52	44.80	
	7	6	196.68	43.37	194.88	42.97	180.44	40.16	175.03	39.76	166.00	39.35	162.40	38.95	
	9	7.9	200.61	42.94	198.77	42.54	184.05	39.76	178.53	39.36	169.32	38.96	165.64	38.56	
	11	9.8	200.61	42.50	198.77	42.11	184.05	39.35	178.53	38.96	169.32	38.57	165.64	38.17	
	13	11.8	200.61	42.29	198.77	41.89	184.05	39.15	178.53	38.76	169.32	38.37	165.64	37.98	
	15	13.7	200.61	42.07	198.77	41.68	184.05	38.95	178.53	38.56	169.32	38.17	165.64	37.78	
19	14.2	202.45	41.85	198.77	41.47	184.05	38.75	178.53	38.36	169.32	37.98	165.64	37.59		
21	15	202.45	41.64	198.77	41.25	184.05	38.55	178.53	38.17	169.32	37.78	165.64	37.40		
120%	-22.90	-23.00	72.07	46.73	71.41	46.30	66.12	43.27	64.14	42.84	60.83	42.40	59.51	41.97	
	-18.80	-19.00	77.92	47.54	77.20	47.10	71.48	44.02	69.34	43.58	65.76	43.14	64.33	42.70	
	-14.7	-15	87.65	49.51	86.85	49.06	80.42	45.85	78.00	45.39	73.98	44.93	72.38	44.47	
	-12.6	-13	97.39	49.95	96.50	49.49	89.35	46.25	86.67	45.79	82.20	45.33	80.42	44.86	
	-10.5	-11	105.19	50.39	104.22	49.92	96.50	46.66	93.61	46.19	88.78	45.72	86.85	45.26	
	-9.5	-10	111.03	51.27	110.01	50.79	101.86	47.47	98.81	46.99	93.71	46.52	91.68	46.05	
	-8.5	-9.1	116.87	52.58	115.80	52.09	107.22	48.69	104.01	48.20	98.65	47.71	96.50	47.23	
	-7	-7.6	136.35	53.90	135.10	53.40	125.09	49.90	121.34	49.40	115.09	48.91	112.58	48.41	
	-5	-5.6	146.09	56.09	144.75	55.57	134.03	51.93	130.01	51.41	123.31	50.89	120.63	50.37	
	-3	-3.7	155.83	59.15	154.40	58.61	142.96	54.77	138.68	54.22	131.53	53.68	128.67	53.13	
	0	-0.7	171.41	57.84	169.84	57.30	157.26	53.56	152.54	53.02	144.68	52.48	141.53	51.95	
	3	2.2	185.05	52.58	183.35	52.09	169.77	48.69	164.68	48.20	156.19	47.71	152.79	47.23	
	5	4.1	188.94	50.39	187.21	49.92	173.34	46.66	168.14	46.19	159.48	45.72	156.01	45.26	
	7	6	194.79	43.82	193.00	43.41	178.71	40.57	173.34	40.17	164.41	39.76	160.83	39.35	
	9	7.9	198.68	43.38	196.86	42.98	182.28	40.17	176.81	39.76	167.70	39.36	164.05	38.96	
	11	9.8	198.68	42.94	196.86	42.54	182.28	39.76	176.81	39.36	167.70	38.97	164.05	38.57	
	13	11.8	198.68	42.72	196.86	42.33	182.28	39.56	176.81	39.16	167.70	38.77	164.05	38.37	
	15	13.7	198.68	42.50	196.86	42.11	182.28	39.35	176.81	38.96	167.70	38.57	164.05	38.17	
19	14.2	200.51	42.28	196.86	41.89	182.28	39.15	176.81	38.76	167.70	38.37	164.05	37.98		
21	15	200.51	42.07	196.86	41.68	182.28	38.95	176.81	38.56	167.70	38.17	164.05	37.78		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT056S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	70.67	47.21	70.02	46.77	64.84	43.71	62.89	43.27	59.65	42.84	58.35	42.40	
	-18.80	-19.00	76.40	48.03	75.70	47.58	70.09	44.47	67.99	44.03	64.49	43.58	63.08	43.14	
	-14.7	-15	85.95	50.02	85.16	49.56	78.86	46.31	76.49	45.85	72.55	45.39	70.97	44.92	
	-12.6	-13	95.50	50.46	94.63	49.99	87.62	46.72	84.99	46.26	80.61	45.79	78.86	45.32	
	-10.5	-11	103.14	50.90	102.20	50.43	94.63	47.13	91.79	46.66	87.06	46.19	85.16	45.72	
	-9.5	-10	108.87	51.79	107.87	51.31	99.88	47.95	96.89	47.47	91.89	46.99	89.90	46.52	
	-8.5	-9.1	114.60	53.12	113.55	52.63	105.14	49.18	101.99	48.69	96.73	48.20	94.63	47.71	
	-7	-7.6	133.70	54.45	132.48	53.94	122.66	50.41	118.98	49.91	112.85	49.40	110.40	48.90	
	-5	-5.6	143.25	56.66	141.94	56.13	131.43	52.46	127.48	51.94	120.91	51.41	118.28	50.89	
	-3	-3.7	152.80	59.76	151.40	59.20	140.19	55.33	135.98	54.78	128.97	54.22	126.17	53.67	
	0	-0.7	168.09	58.43	166.54	57.89	154.21	54.10	149.58	53.56	141.87	53.02	138.79	52.48	
	3	2.2	181.46	53.12	179.79	52.63	166.47	49.18	161.48	48.69	153.16	48.20	149.83	47.71	
	5	4.1	185.28	50.90	183.58	50.43	169.98	47.13	164.88	46.66	156.38	46.19	152.98	45.72	
	7	6	191.01	44.26	189.25	43.86	175.24	40.99	169.98	40.58	161.22	40.17	157.71	39.76	
	9	7.9	194.83	43.82	193.04	43.42	178.74	40.58	173.38	40.17	164.44	39.76	160.87	39.36	
	11	9.8	194.83	43.38	193.04	42.98	178.74	40.17	173.38	39.76	164.44	39.36	160.87	38.96	
	13	11.8	194.83	43.16	193.04	42.76	178.74	39.96	173.38	39.56	164.44	39.16	160.87	38.76	
	15	13.7	194.83	42.94	193.04	42.54	178.74	39.76	173.38	39.36	164.44	38.96	160.87	38.56	
19	14.2	196.61	42.72	193.04	42.32	178.74	39.55	173.38	39.16	164.44	38.76	160.87	38.36		
21	15	196.61	42.49	193.04	42.10	178.74	39.35	173.38	38.95	164.44	38.56	160.87	38.17		
100%	-22.90	-23.00	69.97	47.68	69.33	47.24	64.20	44.15	62.27	43.71	59.06	43.27	57.78	42.83	
	-18.80	-19.00	75.65	48.51	74.95	48.06	69.40	44.92	67.32	44.47	63.85	44.02	62.46	43.57	
	-14.7	-15	85.10	50.52	84.32	50.06	78.08	46.78	75.73	46.31	71.83	45.85	70.27	45.38	
	-12.6	-13	94.56	50.97	93.69	50.50	86.75	47.20	84.15	46.72	79.81	46.25	78.08	45.78	
	-10.5	-11	102.12	51.42	101.19	50.94	93.69	47.61	90.88	47.13	86.19	46.66	84.32	46.18	
	-9.5	-10	107.80	52.31	106.81	51.83	98.90	48.44	95.93	47.95	90.98	47.47	89.01	46.98	
	-8.5	-9.1	113.47	53.65	112.43	53.16	104.10	49.68	100.98	49.18	95.77	48.69	93.69	48.19	
	-7	-7.6	132.38	55.00	131.17	54.49	121.45	50.92	117.81	50.41	111.73	49.90	109.31	49.39	
	-5	-5.6	141.84	57.23	140.54	56.70	130.13	52.99	126.22	52.46	119.72	51.93	117.11	51.40	
	-3	-3.7	151.29	60.36	149.90	59.80	138.80	55.89	134.64	55.33	127.70	54.77	124.92	54.21	
	0	-0.7	166.42	59.02	164.89	58.47	152.68	54.65	148.10	54.10	140.47	53.56	137.41	53.01	
	3	2.2	179.66	53.65	178.01	53.16	164.83	49.68	159.88	49.18	151.64	48.69	148.34	48.19	
	5	4.1	183.44	51.42	181.76	50.94	168.30	47.61	163.25	47.13	154.83	46.66	151.47	46.18	
	7	6	189.12	44.71	187.38	44.30	173.50	41.40	168.30	40.99	159.62	40.57	156.15	40.16	
	9	7.9	192.90	44.26	191.13	43.86	176.97	40.99	171.66	40.58	162.81	40.17	159.27	39.76	
	11	9.8	192.90	43.82	191.13	43.41	176.97	40.57	171.66	40.17	162.81	39.76	159.27	39.35	
	13	11.8	192.90	43.59	191.13	43.19	176.97	40.37	171.66	39.96	162.81	39.56	159.27	39.15	
	15	13.7	192.90	43.37	191.13	42.97	176.97	40.16	171.66	39.76	162.81	39.35	159.27	38.95	
19	14.2	194.67	43.15	191.13	42.75	176.97	39.95	171.66	39.55	162.81	39.15	159.27	38.75		
21	15	194.67	42.92	191.13	42.53	176.97	39.74	171.66	39.35	162.81	38.95	159.27	38.55		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT056S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	64.37	43.39	63.78	42.99	59.06	40.18	57.29	39.78	54.33	39.37	53.15	38.97	
	-18.80	-19.00	69.59	44.15	68.96	43.74	63.85	40.88	61.93	40.47	58.74	40.06	57.46	39.65	
	-14.7	-15	78.29	45.98	77.58	45.55	71.83	42.57	69.67	42.15	66.08	41.72	64.65	41.29	
	-12.6	-13	86.99	46.38	86.19	45.95	79.81	42.95	77.42	42.52	73.43	42.09	71.83	41.66	
	-10.5	-11	93.95	46.79	93.09	46.36	86.19	43.33	83.61	42.89	79.30	42.46	77.58	42.03	
	-9.5	-10	99.17	47.60	98.26	47.16	90.98	44.08	88.25	43.64	83.70	43.20	81.89	42.76	
	-8.5	-9.1	104.39	48.83	103.43	48.37	95.77	45.21	92.90	44.76	88.11	44.30	86.19	43.85	
	-7	-7.6	121.79	50.05	120.67	49.58	111.73	46.34	108.38	45.88	102.80	45.41	100.56	44.95	
	-5	-5.6	130.49	52.08	129.29	51.60	119.72	48.22	116.12	47.74	110.14	47.26	107.74	46.78	
	-3	-3.7	139.19	54.93	137.91	54.42	127.70	50.86	123.87	50.35	117.48	49.84	114.93	49.33	
	0	-0.7	153.11	53.71	151.70	53.21	140.47	49.73	136.25	49.23	129.23	48.74	126.42	48.24	
	3	2.2	165.29	48.83	163.77	48.37	151.64	45.21	147.09	44.76	139.51	44.30	136.48	43.85	
	5	4.1	168.77	46.79	167.22	46.36	154.83	43.33	150.19	42.89	142.44	42.46	139.35	42.03	
	7	6	173.99	40.69	172.39	40.31	159.62	37.67	154.83	37.30	146.85	36.92	143.66	36.54	
	9	7.9	177.47	40.28	175.84	39.91	162.81	37.30	157.93	36.92	149.79	36.55	146.53	36.18	
	11	9.8	177.47	39.87	175.84	39.50	162.81	36.92	157.93	36.55	149.79	36.18	146.53	35.81	
	13	11.8	177.47	39.67	175.84	39.30	162.81	36.73	157.93	36.36	149.79	36.00	146.53	35.63	
	15	13.7	177.47	39.47	175.84	39.10	162.81	36.54	157.93	36.18	149.79	35.81	146.53	35.45	
19	14.2	179.09	39.26	175.84	38.90	162.81	36.36	157.93	35.99	149.79	35.63	146.53	35.26		
21	15	179.09	39.06	175.84	38.70	162.81	36.17	157.93	35.81	149.79	35.44	146.53	35.08		
80%	-22.90	-23.00	56.68	35.15	56.16	34.82	52.00	32.54	50.44	32.22	47.84	31.89	46.80	31.57	
	-18.80	-19.00	61.27	35.76	60.71	35.43	56.21	33.11	54.53	32.78	51.72	32.45	50.59	32.12	
	-14.7	-15	68.93	37.24	68.30	36.90	63.24	34.48	61.34	34.14	58.18	33.79	56.92	33.45	
	-12.6	-13	76.59	37.57	75.89	37.22	70.27	34.79	68.16	34.44	64.65	34.09	63.24	33.74	
	-10.5	-11	82.72	37.90	81.96	37.55	75.89	35.09	73.61	34.74	69.82	34.39	68.30	34.04	
	-9.5	-10	87.31	38.56	86.51	38.20	80.10	35.70	77.70	35.35	73.70	34.99	72.09	34.63	
	-8.5	-9.1	91.91	39.55	91.07	39.18	84.32	36.62	81.79	36.25	77.58	35.89	75.89	35.52	
	-7	-7.6	107.23	40.54	106.24	40.16	98.37	37.53	95.42	37.16	90.50	36.78	88.54	36.41	
	-5	-5.6	114.89	42.19	113.83	41.79	105.40	39.06	102.24	38.67	96.97	38.28	94.86	37.89	
	-3	-3.7	122.55	44.49	121.42	44.08	112.43	41.20	109.06	40.78	103.43	40.37	101.19	39.96	
	0	-0.7	134.80	43.50	133.56	43.10	123.67	40.28	119.96	39.88	113.78	39.48	111.30	39.07	
	3	2.2	145.52	39.55	144.19	39.18	133.51	36.62	129.50	36.25	122.83	35.89	120.16	35.52	
	5	4.1	148.59	37.90	147.22	37.55	136.32	35.09	132.23	34.74	125.41	34.39	122.69	34.04	
	7	6	153.18	32.96	151.78	32.65	140.54	30.52	136.32	30.21	129.29	29.91	126.48	29.60	
	9	7.9	156.25	32.63	154.81	32.33	143.35	30.21	139.05	29.91	131.88	29.61	129.01	29.30	
	11	9.8	156.25	32.30	154.81	32.00	143.35	29.91	139.05	29.61	131.88	29.31	129.01	29.01	
	13	11.8	156.25	32.13	154.81	31.84	143.35	29.75	139.05	29.46	131.88	29.16	129.01	28.86	
	15	13.7	156.25	31.97	154.81	31.67	143.35	29.60	139.05	29.30	131.88	29.01	129.01	28.71	
19	14.2	157.68	31.80	154.81	31.51	143.35	29.45	139.05	29.15	131.88	28.86	129.01	28.56		
21	15	157.68	31.64	154.81	31.35	143.35	29.30	139.05	29.00	131.88	28.71	129.01	28.42		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT056S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
70%	-22.90	-23.00	48.98	33.38	48.53	33.07	44.94	30.91	43.59	30.60	41.34	30.29	40.44	29.98	
	-18.80	-19.00	52.95	33.96	52.47	33.64	48.58	31.44	47.12	31.13	44.69	30.81	43.72	30.50	
	-14.7	-15	59.57	35.37	59.02	35.04	54.65	32.75	53.01	32.42	50.28	32.09	49.19	31.76	
	-12.6	-13	66.19	35.68	65.58	35.35	60.73	33.04	58.90	32.71	55.87	32.38	54.65	32.05	
	-10.5	-11	71.49	35.99	70.83	35.66	65.58	33.33	63.62	32.99	60.34	32.66	59.02	32.33	
	-9.5	-10	75.46	36.62	74.76	36.28	69.23	33.91	67.15	33.57	63.69	33.23	62.30	32.89	
	-8.5	-9.1	79.43	37.56	78.70	37.21	72.87	34.78	70.68	34.43	67.04	34.08	65.58	33.73	
	-7	-7.6	92.67	38.50	91.82	38.14	85.02	35.65	82.46	35.29	78.21	34.93	76.51	34.58	
	-5	-5.6	99.29	40.06	98.37	39.69	91.09	37.09	88.35	36.72	83.80	36.35	81.98	35.98	
	-3	-3.7	105.90	42.25	104.93	41.86	97.16	39.12	94.25	38.73	89.39	38.34	87.44	37.95	
	0	-0.7	116.49	41.31	115.43	40.93	106.88	38.25	103.67	37.87	98.33	37.49	96.19	37.11	
	3	2.2	125.76	37.56	124.61	37.21	115.38	34.78	111.92	34.43	106.15	34.08	103.84	33.73	
	5	4.1	128.41	35.99	127.23	35.66	117.81	33.33	114.27	32.99	108.38	32.66	106.03	32.33	
	7	6	132.38	31.30	131.17	31.01	121.45	28.98	117.81	28.69	111.73	28.40	109.31	28.11	
	9	7.9	135.03	30.99	133.79	30.70	123.88	28.69	120.16	28.40	113.97	28.12	111.49	27.83	
	11	9.8	135.03	30.67	133.79	30.39	123.88	28.40	120.16	28.12	113.97	27.83	111.49	27.55	
	13	11.8	135.03	30.52	133.79	30.23	123.88	28.26	120.16	27.97	113.97	27.69	111.49	27.41	
	15	13.7	135.03	30.36	133.79	30.08	123.88	28.11	120.16	27.83	113.97	27.55	111.49	27.27	
19	14.2	136.27	30.20	133.79	29.92	123.88	27.97	120.16	27.69	113.97	27.41	111.49	27.13		
21	15	136.27	30.05	133.79	29.77	123.88	27.82	120.16	27.54	113.97	27.26	111.49	26.99		
60%	-22.90	-23.00	44.08	29.56	43.68	29.29	40.44	27.37	39.23	27.10	37.21	26.83	36.40	26.55	
	-18.80	-19.00	47.66	30.08	47.22	29.80	43.72	27.85	42.41	27.57	40.22	27.29	39.35	27.01	
	-14.7	-15	53.61	31.33	53.12	31.04	49.19	29.00	47.71	28.71	45.25	28.42	44.27	28.13	
	-12.6	-13	59.57	31.60	59.02	31.31	54.65	29.26	53.01	28.97	50.28	28.68	49.19	28.38	
	-10.5	-11	64.34	31.88	63.75	31.58	59.02	29.52	57.25	29.22	54.30	28.93	53.12	28.63	
	-9.5	-10	67.91	32.43	67.29	32.13	62.30	30.03	60.43	29.73	57.32	29.43	56.07	29.13	
	-8.5	-9.1	71.49	33.27	70.83	32.96	65.58	30.80	63.62	30.49	60.34	30.19	59.02	29.88	
	-7	-7.6	83.40	34.10	82.63	33.78	76.51	31.57	74.22	31.26	70.39	30.94	68.86	30.62	
	-5	-5.6	89.36	35.48	88.54	35.15	81.98	32.86	79.52	32.53	75.42	32.20	73.78	31.87	
	-3	-3.7	95.31	37.42	94.44	37.08	87.44	34.65	84.82	34.31	80.45	33.96	78.70	33.61	
	0	-0.7	104.85	36.59	103.88	36.25	96.19	33.88	93.30	33.54	88.49	33.20	86.57	32.87	
	3	2.2	113.19	33.27	112.15	32.96	103.84	30.80	100.72	30.49	95.53	30.19	93.46	29.88	
	5	4.1	115.57	31.88	114.51	31.58	106.03	29.52	102.85	29.22	97.54	28.93	95.42	28.63	
	7	6	119.14	27.72	118.05	27.46	109.31	25.67	106.03	25.41	100.56	25.15	98.37	24.90	
	9	7.9	121.53	27.44	120.41	27.19	111.49	25.41	108.15	25.16	102.57	24.90	100.34	24.65	
	11	9.8	121.53	27.17	120.41	26.92	111.49	25.15	108.15	24.90	102.57	24.65	100.34	24.40	
	13	11.8	121.53	27.03	120.41	26.78	111.49	25.03	108.15	24.78	102.57	24.53	100.34	24.28	
	15	13.7	121.53	26.89	120.41	26.64	111.49	24.90	108.15	24.65	102.57	24.40	100.34	24.15	
19	14.2	122.64	26.75	120.41	26.50	111.49	24.77	108.15	24.52	102.57	24.27	100.34	24.03		
21	15	122.64	26.61	120.41	26.37	111.49	24.64	108.15	24.39	102.57	24.15	100.34	23.90		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT056S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	37.79	30.99	37.44	30.71	34.67	28.70	33.63	28.41	31.89	28.12	31.20	27.84	
	-18.80	-19.00	40.85	31.53	40.47	31.24	37.48	29.20	36.35	28.91	34.48	28.61	33.73	28.32	
	-14.7	-15	45.95	32.84	45.53	32.54	42.16	30.41	40.90	30.10	38.79	29.80	37.94	29.50	
	-12.6	-13	51.06	33.13	50.59	32.82	46.85	30.68	45.44	30.37	43.10	30.06	42.16	29.76	
	-10.5	-11	55.15	33.42	54.64	33.11	50.59	30.95	49.07	30.64	46.55	30.33	45.53	30.02	
	-9.5	-10	58.21	34.00	57.68	33.69	53.40	31.48	51.80	31.17	49.13	30.86	48.06	30.54	
	-8.5	-9.1	61.27	34.88	60.71	34.55	56.21	32.29	54.53	31.97	51.72	31.65	50.59	31.32	
	-7	-7.6	71.49	35.75	70.83	35.42	65.58	33.10	63.62	32.77	60.34	32.44	59.02	32.11	
	-5	-5.6	76.59	37.20	75.89	36.86	70.27	34.44	68.16	34.10	64.65	33.76	63.24	33.41	
	-3	-3.7	81.70	39.23	80.95	38.87	74.95	36.33	72.70	35.97	68.96	35.60	67.46	35.24	
	0	-0.7	89.87	38.36	89.04	38.01	82.45	35.52	79.97	35.17	75.85	34.81	74.20	34.46	
	3	2.2	97.02	34.88	96.13	34.55	89.01	32.29	86.34	31.97	81.89	31.65	80.10	31.32	
	5	4.1	99.06	33.42	98.15	33.11	90.88	30.95	88.15	30.64	83.61	30.33	81.79	30.02	
	7	6	102.12	29.06	101.19	28.79	93.69	26.91	90.88	26.64	86.19	26.37	84.32	26.10	
	9	7.9	104.16	28.77	103.21	28.51	95.56	26.64	92.70	26.37	87.92	26.11	86.01	25.84	
	11	9.8	104.16	28.48	103.21	28.22	95.56	26.37	92.70	26.11	87.92	25.84	86.01	25.58	
	13	11.8	104.16	28.34	103.21	28.07	95.56	26.24	92.70	25.97	87.92	25.71	86.01	25.45	
	15	13.7	104.16	28.19	103.21	27.93	95.56	26.10	92.70	25.84	87.92	25.58	86.01	25.32	
19	14.2	105.12	28.05	103.21	27.79	95.56	25.97	92.70	25.71	87.92	25.45	86.01	25.19		
21	15	105.12	27.90	103.21	27.64	95.56	25.83	92.70	25.58	87.92	25.32	86.01	25.06		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT058S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	°C DB)	°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	75.08	47.45	74.39	47.01	68.88	43.93	66.81	43.49	63.37	43.05	61.99	42.61	
	-18.80	-19.00	81.17	48.42	80.42	47.97	74.46	44.83	72.23	44.39	68.51	43.94	67.02	43.49	
	-14.7	-15	91.31	50.43	90.47	49.96	83.77	46.69	81.26	46.23	77.07	45.76	75.39	45.29	
	-12.6	-13	101.46	50.88	100.53	50.40	93.08	47.11	90.29	46.64	85.63	46.16	83.77	45.69	
	-10.5	-11	109.57	51.32	108.57	50.85	100.53	47.52	97.51	47.05	92.48	46.57	90.47	46.09	
	-9.5	-10	115.66	52.21	114.60	51.73	106.11	48.35	102.93	47.86	97.62	47.38	95.50	46.90	
	-8.5	-9.1	121.75	53.55	120.63	53.06	111.70	49.59	108.35	49.09	102.76	48.59	100.53	48.10	
	-7	-7.6	142.04	54.89	140.74	54.38	130.31	50.83	126.40	50.32	119.89	49.81	117.28	49.30	
	-5	-5.6	152.19	57.12	150.79	56.59	139.62	52.89	135.43	52.36	128.45	51.83	125.66	51.31	
	-3	-3.7	162.33	60.25	160.84	59.69	148.93	55.78	144.46	55.23	137.01	54.67	134.04	54.11	
	0	-0.7	178.56	58.91	176.93	58.36	163.82	54.55	158.91	54.00	150.72	53.45	147.44	52.91	
	3	2.2	192.77	53.55	191.00	53.06	176.85	49.59	171.55	49.09	162.70	48.59	159.17	48.10	
	5	4.1	196.83	51.32	195.02	50.85	180.58	47.52	175.16	47.05	166.13	46.57	162.52	46.09	
	7	6	202.91	44.63	201.05	44.21	186.16	41.32	180.58	40.91	171.27	40.50	167.54	40.08	
	9	7.9	206.97	44.18	205.07	43.77	189.88	40.91	184.19	40.50	174.69	40.09	170.89	39.68	
	11	9.8	206.97	43.74	205.07	43.33	189.88	40.50	184.19	40.09	174.69	39.69	170.89	39.28	
	13	11.8	206.97	43.51	205.07	43.11	189.88	40.29	184.19	39.89	174.69	39.48	170.89	39.08	
	15	13.7	206.97	43.29	205.07	42.89	189.88	40.08	184.19	39.68	174.69	39.28	170.89	38.88	
	19	14.2	208.87	43.07	205.07	42.67	189.88	39.88	184.19	39.48	174.69	39.08	170.89	38.68	
	21	15	208.87	42.84	205.07	42.45	189.88	39.67	184.19	39.27	174.69	38.88	170.89	38.48	
120%	-22.90	-23.00	74.36	47.93	73.67	47.49	68.22	44.38	66.17	43.94	62.76	43.50	61.40	43.05	
	-18.80	-19.00	80.39	48.92	79.65	48.47	73.75	45.30	71.54	44.84	67.85	44.39	66.37	43.94	
	-14.7	-15	90.43	50.95	89.60	50.48	82.97	47.18	80.48	46.70	76.33	46.23	74.67	45.76	
	-12.6	-13	100.48	51.40	99.56	50.92	92.19	47.59	89.42	47.12	84.81	46.64	82.97	46.16	
	-10.5	-11	108.52	51.85	107.52	51.37	99.56	48.01	96.57	47.53	91.60	47.05	89.60	46.57	
	-9.5	-10	114.55	52.75	113.50	52.26	105.09	48.85	101.94	48.36	96.68	47.87	94.58	47.38	
	-8.5	-9.1	120.58	54.11	119.47	53.60	110.62	50.10	107.30	49.60	101.77	49.10	99.56	48.59	
	-7	-7.6	140.67	55.46	139.38	54.94	129.06	51.35	125.19	50.84	118.73	50.32	116.15	49.81	
	-5	-5.6	150.72	57.71	149.34	57.18	138.28	53.44	134.13	52.90	127.22	52.37	124.45	51.83	
	-3	-3.7	160.77	60.87	159.30	60.30	147.50	56.36	143.07	55.80	135.70	55.23	132.75	54.67	
	0	-0.7	176.85	59.52	175.23	58.96	162.25	55.11	157.38	54.56	149.27	54.01	146.02	53.45	
	3	2.2	190.92	54.11	189.16	53.60	175.15	50.10	169.90	49.60	161.14	49.10	157.64	48.59	
	5	4.1	194.93	51.85	193.15	51.37	178.84	48.01	173.47	47.53	164.53	47.05	160.96	46.57	
	7	6	200.96	45.09	199.12	44.67	184.37	41.75	178.84	41.33	169.62	40.91	165.93	40.50	
	9	7.9	204.98	44.64	203.10	44.22	188.06	41.33	182.42	40.92	173.01	40.50	169.25	40.09	
	11	9.8	204.98	44.19	203.10	43.78	188.06	40.91	182.42	40.50	173.01	40.09	169.25	39.69	
	13	11.8	204.98	43.96	203.10	43.55	188.06	40.70	182.42	40.30	173.01	39.89	169.25	39.48	
	15	13.7	204.98	43.74	203.10	43.33	188.06	40.50	182.42	40.09	173.01	39.69	169.25	39.28	
	19	14.2	206.86	43.51	203.10	43.11	188.06	40.29	182.42	39.88	173.01	39.48	169.25	39.08	
	21	15	206.86	43.28	203.10	42.88	188.06	40.08	182.42	39.68	173.01	39.28	169.25	38.88	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT058S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	72.91	48.42	72.24	47.98	66.89	44.84	64.89	44.39	61.54	43.94	60.20	43.49	
	-18.80	-19.00	78.82	49.42	78.10	48.96	72.32	45.76	70.15	45.30	66.53	44.84	65.08	44.39	
	-14.7	-15	88.68	51.47	87.86	50.99	81.36	47.66	78.91	47.18	74.85	46.70	73.22	46.23	
	-12.6	-13	98.53	51.92	97.63	51.44	90.40	48.08	87.68	47.60	83.16	47.12	81.36	46.64	
	-10.5	-11	106.41	52.38	105.44	51.90	97.63	48.50	94.70	48.02	89.82	47.53	87.86	47.05	
	-9.5	-10	112.32	53.29	111.29	52.80	103.05	49.34	99.96	48.85	94.81	48.36	92.75	47.86	
	-8.5	-9.1	118.24	54.66	117.15	54.15	108.47	50.61	105.22	50.10	99.80	49.60	97.63	49.09	
	-7	-7.6	137.94	56.02	136.68	55.51	126.55	51.87	122.76	51.36	116.43	50.84	113.90	50.32	
	-5	-5.6	147.80	58.30	146.44	57.76	135.59	53.98	131.52	53.44	124.75	52.90	122.03	52.36	
	-3	-3.7	157.65	61.49	156.20	60.92	144.63	56.93	140.29	56.37	133.06	55.80	130.17	55.23	
	0	-0.7	173.41	60.12	171.82	59.57	159.10	55.67	154.32	55.11	146.37	54.56	143.19	54.00	
	3	2.2	187.21	54.66	185.49	54.15	171.75	50.61	166.60	50.10	158.01	49.60	154.58	49.09	
	5	4.1	191.15	52.38	189.40	51.90	175.37	48.50	170.11	48.02	161.34	47.53	157.83	47.05	
	7	6	197.06	45.55	195.25	45.13	180.79	42.17	175.37	41.75	166.33	41.33	162.71	40.91	
	9	7.9	201.00	45.09	199.16	44.67	184.41	41.75	178.87	41.33	169.65	40.92	165.97	40.50	
	11	9.8	201.00	44.64	199.16	44.22	184.41	41.33	178.87	40.92	169.65	40.50	165.97	40.09	
	13	11.8	201.00	44.41	199.16	44.00	184.41	41.12	178.87	40.71	169.65	40.30	165.97	39.89	
	15	13.7	201.00	44.18	199.16	43.77	184.41	40.91	178.87	40.50	169.65	40.09	165.97	39.68	
19	14.2	202.85	43.95	199.16	43.55	184.41	40.70	178.87	40.29	169.65	39.88	165.97	39.48		
21	15	202.85	43.73	199.16	43.32	184.41	40.49	178.87	40.08	169.65	39.68	165.97	39.27		
100%	-22.90	-23.00	72.19	48.91	71.53	48.46	66.23	45.29	64.24	44.84	60.93	44.38	59.61	43.93	
	-18.80	-19.00	78.04	49.92	77.33	49.46	71.60	46.22	69.45	45.76	65.87	45.30	64.44	44.83	
	-14.7	-15	87.80	51.99	86.99	51.51	80.55	48.14	78.13	47.66	74.11	47.18	72.50	46.69	
	-12.6	-13	97.56	52.45	96.66	51.96	89.50	48.56	86.82	48.08	82.34	47.59	80.55	47.11	
	-10.5	-11	105.36	52.91	104.39	52.42	96.66	48.99	93.76	48.50	88.93	48.01	86.99	47.52	
	-9.5	-10	111.21	53.83	110.19	53.33	102.03	49.84	98.97	49.34	93.87	48.85	91.83	48.35	
	-8.5	-9.1	117.07	55.21	115.99	54.70	107.40	51.12	104.18	50.61	98.81	50.10	96.66	49.59	
	-7	-7.6	136.58	56.59	135.32	56.07	125.30	52.40	121.54	51.87	115.28	51.35	112.77	50.83	
	-5	-5.6	146.33	58.89	144.99	58.34	134.25	54.53	130.22	53.98	123.51	53.44	120.83	52.89	
	-3	-3.7	156.09	62.11	154.66	61.54	143.20	57.51	138.90	56.93	131.74	56.36	128.88	55.78	
	0	-0.7	171.70	60.73	170.12	60.17	157.52	56.23	152.79	55.67	144.92	55.11	141.77	54.55	
	3	2.2	185.35	55.21	183.65	54.70	170.05	51.12	164.95	50.61	156.45	50.10	153.05	49.59	
	5	4.1	189.26	52.91	187.52	52.42	173.63	48.99	168.42	48.50	159.74	48.01	156.27	47.52	
	7	6	195.11	46.01	193.32	45.58	179.00	42.60	173.63	42.17	164.68	41.75	161.10	41.32	
	9	7.9	199.01	45.55	197.19	45.13	182.58	42.17	177.10	41.75	167.97	41.33	164.32	40.91	
	11	9.8	199.01	45.09	197.19	44.67	182.58	41.75	177.10	41.33	167.97	40.91	164.32	40.50	
	13	11.8	199.01	44.86	197.19	44.44	182.58	41.54	177.10	41.12	167.97	40.70	164.32	40.29	
	15	13.7	199.01	44.63	197.19	44.21	182.58	41.32	177.10	40.91	167.97	40.50	164.32	40.08	
19	14.2	200.84	44.40	197.19	43.99	182.58	41.11	177.10	40.70	167.97	40.29	164.32	39.88		
21	15	200.84	44.17	197.19	43.76	182.58	40.90	177.10	40.49	167.97	40.08	164.32	39.67		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT058S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	°C DB)	°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-22.90	-23.00	66.42	44.51	65.81	44.10	60.93	41.21	59.10	40.80	56.06	40.39	54.84	39.98	
	-18.80	-19.00	71.80	45.43	71.14	45.01	65.87	42.06	63.90	41.64	60.60	41.22	59.28	40.80	
	-14.7	-15	80.78	47.31	80.03	46.87	74.11	43.81	71.88	43.37	68.18	42.93	66.70	42.49	
	-12.6	-13	89.75	47.73	88.93	47.29	82.34	44.19	79.87	43.75	75.75	43.31	74.11	42.87	
	-10.5	-11	96.93	48.15	96.04	47.70	88.93	44.58	86.26	44.14	81.81	43.69	80.03	43.24	
	-9.5	-10	102.32	48.98	101.38	48.53	93.87	45.36	91.05	44.90	86.36	44.45	84.48	44.00	
	-8.5	-9.1	107.70	50.24	106.71	49.78	98.81	46.52	95.84	46.05	90.90	45.59	88.93	45.12	
	-7	-7.6	125.65	51.50	124.50	51.02	115.28	47.68	111.82	47.21	106.05	46.73	103.75	46.25	
	-5	-5.6	134.63	53.59	133.39	53.09	123.51	49.62	119.80	49.12	113.63	48.63	111.16	48.13	
	-3	-3.7	143.60	56.52	142.28	56.00	131.74	52.33	127.79	51.81	121.20	51.29	118.57	50.76	
	0	-0.7	157.96	55.26	156.51	54.75	144.92	51.17	140.57	50.66	133.32	50.15	130.43	49.64	
	3	2.2	170.53	50.24	168.96	49.78	156.45	46.52	151.75	46.05	143.93	45.59	140.80	45.12	
	5	4.1	174.12	48.15	172.52	47.70	159.74	44.58	154.95	44.14	146.96	43.69	143.77	43.24	
	7	6	179.50	41.87	177.85	41.48	164.68	38.77	159.74	38.38	151.51	37.99	148.21	37.60	
	9	7.9	183.09	41.45	181.41	41.06	167.97	38.38	162.93	37.99	154.54	37.61	151.18	37.23	
	11	9.8	183.09	41.03	181.41	40.65	167.97	37.99	162.93	37.61	154.54	37.23	151.18	36.85	
	13	11.8	183.09	40.82	181.41	40.44	167.97	37.80	162.93	37.42	154.54	37.04	151.18	36.66	
	15	13.7	183.09	40.61	181.41	40.24	167.97	37.60	162.93	37.23	154.54	36.85	151.18	36.47	
19	14.2	184.77	40.40	181.41	40.03	167.97	37.41	162.93	37.04	154.54	36.66	151.18	36.29		
21	15	184.77	40.19	181.41	39.82	167.97	37.22	162.93	36.84	154.54	36.47	151.18	36.10		
80%	-22.90	-23.00	58.47	36.05	57.94	35.72	53.65	33.38	52.04	33.05	49.35	32.72	48.28	32.38	
	-18.80	-19.00	63.22	36.80	62.64	36.45	58.00	34.07	56.26	33.73	53.36	33.39	52.20	33.05	
	-14.7	-15	71.12	38.32	70.47	37.97	65.25	35.48	63.29	35.13	60.03	34.77	58.72	34.42	
	-12.6	-13	79.02	38.66	78.29	38.30	72.50	35.80	70.32	35.44	66.70	35.08	65.25	34.72	
	-10.5	-11	85.34	39.00	84.56	38.64	78.29	36.11	75.95	35.75	72.03	35.39	70.47	35.03	
	-9.5	-10	90.08	39.68	89.26	39.31	82.64	36.74	80.16	36.37	76.03	36.00	74.38	35.64	
	-8.5	-9.1	94.82	40.69	93.95	40.32	86.99	37.68	84.38	37.30	80.03	36.93	78.29	36.55	
	-7	-7.6	110.63	41.71	109.61	41.33	101.49	38.62	98.45	38.24	93.37	37.85	91.34	37.46	
	-5	-5.6	118.53	43.41	117.44	43.01	108.74	40.19	105.48	39.79	100.04	39.39	97.87	38.99	
	-3	-3.7	126.43	45.78	125.27	45.36	115.99	42.39	112.51	41.97	106.71	41.54	104.39	41.12	
	0	-0.7	139.07	44.76	137.80	44.35	127.59	41.45	123.76	41.03	117.38	40.62	114.83	40.21	
	3	2.2	150.14	40.69	148.76	40.32	137.74	37.68	133.61	37.30	126.72	36.93	123.97	36.55	
	5	4.1	153.30	39.00	151.89	38.64	140.64	36.11	136.42	35.75	129.39	35.39	126.58	35.03	
	7	6	158.04	33.91	156.59	33.60	144.99	31.40	140.64	31.09	133.39	30.77	130.49	30.46	
	9	7.9	161.20	33.57	159.72	33.26	147.89	31.09	143.45	30.78	136.06	30.46	133.10	30.15	
	11	9.8	161.20	33.23	159.72	32.93	147.89	30.77	143.45	30.46	136.06	30.16	133.10	29.85	
	13	11.8	161.20	33.06	159.72	32.76	147.89	30.62	143.45	30.31	136.06	30.00	133.10	29.70	
	15	13.7	161.20	32.90	159.72	32.59	147.89	30.46	143.45	30.15	136.06	29.85	133.10	29.54	
19	14.2	162.68	32.73	159.72	32.42	147.89	30.30	143.45	30.00	136.06	29.70	133.10	29.39		
21	15	162.68	32.56	159.72	32.25	147.89	30.14	143.45	29.84	136.06	29.54	133.10	29.24		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT058S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	50.53	34.24	50.07	33.92	46.36	31.70	44.97	31.39	42.65	31.07	41.72	30.75	
	-18.80	-19.00	54.63	34.94	54.13	34.62	50.12	32.35	48.62	32.03	46.11	31.71	45.11	31.38	
	-14.7	-15	61.46	36.39	60.90	36.06	56.39	33.70	54.69	33.36	51.87	33.02	50.75	32.69	
	-12.6	-13	68.29	36.71	67.66	36.37	62.65	33.99	60.77	33.65	57.64	33.31	56.39	32.97	
	-10.5	-11	73.75	37.04	73.07	36.69	67.66	34.29	65.63	33.95	62.25	33.61	60.90	33.26	
	-9.5	-10	77.85	37.68	77.13	37.33	71.42	34.89	69.28	34.54	65.71	34.19	64.28	33.84	
	-8.5	-9.1	81.95	38.65	81.19	38.29	75.18	35.78	72.92	35.43	69.17	35.07	67.66	34.71	
	-7	-7.6	95.60	39.61	94.73	39.25	87.71	36.68	85.08	36.31	80.69	35.95	78.94	35.58	
	-5	-5.6	102.43	41.22	101.49	40.84	93.98	38.17	91.16	37.79	86.46	37.41	84.58	37.02	
	-3	-3.7	109.26	43.48	108.26	43.07	100.24	40.26	97.23	39.85	92.22	39.45	90.22	39.05	
	0	-0.7	120.19	42.51	119.09	42.12	110.26	39.36	106.96	38.97	101.44	38.58	99.24	38.18	
	3	2.2	129.75	38.65	128.56	38.29	119.04	35.78	115.46	35.43	109.51	35.07	107.13	34.71	
	5	4.1	132.48	37.04	131.26	36.69	121.54	34.29	117.89	33.95	111.82	33.61	109.39	33.26	
	7	6	136.58	32.21	135.32	31.91	125.30	29.82	121.54	29.52	115.28	29.22	112.77	28.93	
	9	7.9	139.31	31.88	138.03	31.59	127.81	29.52	123.97	29.23	117.58	28.93	115.03	28.64	
	11	9.8	139.31	31.56	138.03	31.27	127.81	29.22	123.97	28.93	117.58	28.64	115.03	28.35	
	13	11.8	139.31	31.40	138.03	31.11	127.81	29.07	123.97	28.78	117.58	28.49	115.03	28.20	
	15	13.7	139.31	31.24	138.03	30.95	127.81	28.93	123.97	28.64	117.58	28.35	115.03	28.06	
19	14.2	140.59	31.08	138.03	30.79	127.81	28.78	123.97	28.49	117.58	28.20	115.03	27.91		
21	15	140.59	30.92	138.03	30.63	127.81	28.63	123.97	28.34	117.58	28.05	115.03	27.77		
60%	-22.90	-23.00	45.48	30.33	45.06	30.05	41.72	28.08	40.47	27.80	38.39	27.52	37.55	27.24	
	-18.80	-19.00	49.17	30.95	48.72	30.66	45.11	28.66	43.75	28.37	41.50	28.08	40.60	27.80	
	-14.7	-15	55.31	32.23	54.81	31.93	50.75	29.85	49.22	29.55	46.69	29.25	45.67	28.95	
	-12.6	-13	61.46	32.52	60.90	32.22	56.39	30.11	54.69	29.81	51.87	29.51	50.75	29.21	
	-10.5	-11	66.38	32.80	65.77	32.50	60.90	30.37	59.07	30.07	56.02	29.77	54.81	29.46	
	-9.5	-10	70.06	33.37	69.42	33.07	64.28	30.90	62.35	30.59	59.14	30.28	57.85	29.97	
	-8.5	-9.1	73.75	34.23	73.07	33.91	67.66	31.69	65.63	31.38	62.25	31.06	60.90	30.74	
	-7	-7.6	86.04	35.09	85.25	34.76	78.94	32.49	76.57	32.16	72.62	31.84	71.05	31.51	
	-5	-5.6	92.19	36.51	91.34	36.17	84.58	33.81	82.04	33.47	77.81	33.13	76.12	32.79	
	-3	-3.7	98.34	38.51	97.43	38.15	90.22	35.66	87.51	35.30	83.00	34.94	81.19	34.59	
	0	-0.7	108.17	37.65	107.18	37.30	99.24	34.86	96.26	34.52	91.30	34.17	89.31	33.82	
	3	2.2	116.77	34.23	115.70	33.91	107.13	31.69	103.92	31.38	98.56	31.06	96.42	30.74	
	5	4.1	119.23	32.80	118.14	32.50	109.39	30.37	106.11	30.07	100.64	29.77	98.45	29.46	
	7	6	122.92	28.52	121.79	28.26	112.77	26.41	109.39	26.15	103.75	25.88	101.49	25.62	
	9	7.9	125.38	28.24	124.23	27.98	115.03	26.15	111.57	25.89	105.82	25.62	103.52	25.36	
	11	9.8	125.38	27.95	124.23	27.70	115.03	25.88	111.57	25.62	105.82	25.37	103.52	25.11	
	13	11.8	125.38	27.81	124.23	27.55	115.03	25.75	111.57	25.49	105.82	25.24	103.52	24.98	
	15	13.7	125.38	27.67	124.23	27.41	115.03	25.62	111.57	25.36	105.82	25.11	103.52	24.85	
19	14.2	126.53	27.53	124.23	27.27	115.03	25.49	111.57	25.23	105.82	24.98	103.52	24.72		
21	15	126.53	27.38	124.23	27.13	115.03	25.36	111.57	25.10	105.82	24.85	103.52	24.59		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT058S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	38.98	31.79	38.63	31.50	35.76	29.44	34.69	29.14	32.90	28.85	32.19	28.56	
	-18.80	-19.00	42.14	32.45	41.76	32.15	38.66	30.04	37.50	29.74	35.57	29.44	34.80	29.14	
	-14.7	-15	47.41	33.79	46.98	33.48	43.50	31.29	42.19	30.98	40.02	30.66	39.15	30.35	
	-12.6	-13	52.68	34.09	52.20	33.78	48.33	31.57	46.88	31.25	44.46	30.94	43.50	30.62	
	-10.5	-11	56.89	34.39	56.37	34.07	52.20	31.84	50.63	31.53	48.02	31.21	46.98	30.89	
	-9.5	-10	60.05	34.99	59.50	34.67	55.10	32.40	53.44	32.07	50.69	31.75	49.59	31.43	
	-8.5	-9.1	63.22	35.89	62.64	35.55	58.00	33.23	56.26	32.90	53.36	32.56	52.20	32.23	
	-7	-7.6	73.75	36.78	73.07	36.44	67.66	34.06	65.63	33.72	62.25	33.38	60.90	33.04	
	-5	-5.6	79.02	38.28	78.29	37.92	72.50	35.44	70.32	35.09	66.70	34.73	65.25	34.38	
	-3	-3.7	84.29	40.37	83.51	40.00	77.33	37.38	75.01	37.01	71.14	36.63	69.60	36.26	
	0	-0.7	92.72	39.47	91.87	39.11	85.06	36.55	82.51	36.19	78.26	35.82	76.55	35.45	
	3	2.2	100.09	35.89	99.17	35.55	91.83	33.23	89.07	32.90	84.48	32.56	82.64	32.23	
	5	4.1	102.20	34.39	101.26	34.07	93.76	31.84	90.95	31.53	86.26	31.21	84.38	30.89	
	7	6	105.36	29.91	104.39	29.63	96.66	27.69	93.76	27.41	88.93	27.14	86.99	26.86	
	9	7.9	107.47	29.61	106.48	29.33	98.59	27.41	95.64	27.14	90.71	26.86	88.73	26.59	
	11	9.8	107.47	29.31	106.48	29.04	98.59	27.14	95.64	26.86	90.71	26.59	88.73	26.32	
	13	11.8	107.47	29.16	106.48	28.89	98.59	27.00	95.64	26.73	90.71	26.46	88.73	26.19	
	15	13.7	107.47	29.01	106.48	28.74	98.59	26.86	95.64	26.59	90.71	26.32	88.73	26.05	
19	14.2	108.45	28.86	106.48	28.59	98.59	26.72	95.64	26.45	90.71	26.19	88.73	25.92		
21	15	108.45	28.71	106.48	28.44	98.59	26.58	95.64	26.32	90.71	26.05	88.73	25.78		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT060S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	77.39	48.64	76.68	48.19	71.00	45.04	68.87	44.58	65.32	44.13	63.90	43.68	
	-18.80	-19.00	83.66	49.79	82.89	49.32	76.75	46.10	74.45	45.64	70.61	45.18	69.08	44.71	
	-14.7	-15	94.12	51.85	93.25	51.37	86.35	48.01	83.76	47.53	79.44	47.05	77.71	46.57	
	-12.6	-13	104.57	52.31	103.62	51.82	95.94	48.43	93.06	47.95	88.26	47.47	86.35	46.98	
	-10.5	-11	112.94	52.77	111.90	52.28	103.62	48.86	100.51	48.37	95.33	47.88	93.25	47.39	
	-9.5	-10	119.22	53.69	118.12	53.19	109.37	49.71	106.09	49.21	100.62	48.71	98.43	48.22	
	-8.5	-9.1	125.49	55.06	124.34	54.55	115.13	50.98	111.67	50.47	105.92	49.96	103.62	49.45	
	-7	-7.6	146.40	56.44	145.06	55.92	134.32	52.26	130.29	51.74	123.57	51.21	120.88	50.69	
	-5	-5.6	156.86	58.73	155.42	58.19	143.91	54.38	139.59	53.84	132.40	53.29	129.52	52.75	
	-3	-3.7	167.32	61.94	165.78	61.37	153.50	57.36	148.90	56.78	141.22	56.21	138.15	55.64	
	0	-0.7	184.05	60.57	182.36	60.01	168.85	56.08	163.79	55.52	155.35	54.96	151.97	54.40	
	3	2.2	198.69	55.06	196.87	54.55	182.29	50.98	176.82	50.47	167.70	49.96	164.06	49.45	
	5	4.1	202.87	52.77	201.01	52.28	186.12	48.86	180.54	48.37	171.23	47.88	167.51	47.39	
	7	6	209.15	45.88	207.23	45.46	191.88	42.49	186.12	42.06	176.53	41.64	172.69	41.21	
	9	7.9	213.33	45.43	211.38	45.01	195.72	42.06	189.85	41.64	180.06	41.22	176.15	40.80	
	11	9.8	213.33	44.97	211.38	44.55	195.72	41.64	189.85	41.22	180.06	40.80	176.15	40.39	
	13	11.8	213.33	44.74	211.38	44.32	195.72	41.42	189.85	41.01	180.06	40.60	176.15	40.18	
	15	13.7	213.33	44.51	211.38	44.10	195.72	41.21	189.85	40.80	180.06	40.39	176.15	39.98	
19	14.2	215.29	44.28	211.38	43.87	195.72	41.00	189.85	40.59	180.06	40.18	176.15	39.77		
21	15	215.29	44.05	211.38	43.64	195.72	40.79	189.85	40.38	180.06	39.97	176.15	39.56		
120%	-22.90	-23.00	76.64	49.14	75.94	48.68	70.31	45.50	68.20	45.04	64.69	44.59	63.28	44.13	
	-18.80	-19.00	82.86	50.30	82.10	49.83	76.01	46.57	73.73	46.11	69.93	45.64	68.41	45.18	
	-14.7	-15	93.21	52.38	92.36	51.90	85.52	48.50	82.95	48.02	78.67	47.53	76.96	47.05	
	-12.6	-13	103.57	52.85	102.62	52.36	95.02	48.93	92.17	48.44	87.42	47.95	85.52	47.47	
	-10.5	-11	111.85	53.31	110.83	52.82	102.62	49.36	99.54	48.87	94.41	48.38	92.36	47.88	
	-9.5	-10	118.07	54.24	116.99	53.74	108.32	50.22	105.07	49.72	99.65	49.22	97.49	48.71	
	-8.5	-9.1	124.28	55.63	123.14	55.11	114.02	51.51	110.60	50.99	104.90	50.48	102.62	49.96	
	-7	-7.6	145.00	57.02	143.67	56.49	133.02	52.80	129.03	52.27	122.38	51.74	119.72	51.21	
	-5	-5.6	155.35	59.34	153.93	58.79	142.53	54.94	138.25	54.39	131.12	53.84	128.27	53.29	
	-3	-3.7	165.71	62.58	164.19	62.00	152.03	57.95	147.47	57.37	139.87	56.79	136.83	56.21	
	0	-0.7	182.28	61.19	180.61	60.63	167.23	56.66	162.21	56.09	153.85	55.53	150.51	54.96	
	3	2.2	196.78	55.63	194.98	55.11	180.53	51.51	175.12	50.99	166.09	50.48	162.48	49.96	
	5	4.1	200.92	53.31	199.08	52.82	184.33	49.36	178.80	48.87	169.59	48.38	165.90	47.88	
	7	6	207.14	46.36	205.24	45.93	190.04	42.92	184.33	42.49	174.83	42.07	171.03	41.64	
	9	7.9	211.28	45.89	209.34	45.47	193.84	42.49	188.02	42.07	178.33	41.64	174.45	41.22	
	11	9.8	211.28	45.43	209.34	45.01	193.84	42.07	188.02	41.64	178.33	41.22	174.45	40.80	
	13	11.8	211.28	45.20	209.34	44.78	193.84	41.85	188.02	41.43	178.33	41.01	174.45	40.60	
	15	13.7	211.28	44.97	209.34	44.55	193.84	41.64	188.02	41.22	178.33	40.80	174.45	40.39	
19	14.2	213.22	44.74	209.34	44.32	193.84	41.42	188.02	41.01	178.33	40.59	174.45	40.18		
21	15	213.22	44.50	209.34	44.09	193.84	41.21	188.02	40.79	178.33	40.38	174.45	39.97		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT060S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	75.15	49.64	74.46	49.18	68.95	45.96	66.88	45.50	63.43	45.04	62.05	44.58	
	-18.80	-19.00	81.25	50.81	80.50	50.34	74.54	47.05	72.30	46.58	68.57	46.11	67.08	45.64	
	-14.7	-15	91.40	52.92	90.56	52.43	83.86	49.00	81.34	48.51	77.15	48.02	75.47	47.53	
	-12.6	-13	101.56	53.39	100.63	52.89	93.17	49.43	90.38	48.94	85.72	48.44	83.86	47.95	
	-10.5	-11	109.68	53.86	108.68	53.36	100.63	49.87	97.61	49.37	92.58	48.87	90.56	48.37	
	-9.5	-10	115.78	54.79	114.71	54.28	106.22	50.73	103.03	50.23	97.72	49.72	95.59	49.21	
	-8.5	-9.1	121.87	56.20	120.75	55.68	111.81	52.03	108.45	51.51	102.86	50.99	100.63	50.47	
	-7	-7.6	142.18	57.60	140.88	57.07	130.44	53.34	126.53	52.80	120.01	52.27	117.40	51.74	
	-5	-5.6	152.34	59.94	150.94	59.39	139.76	55.50	135.57	54.95	128.58	54.39	125.78	53.84	
	-3	-3.7	162.49	63.22	161.00	62.64	149.08	58.54	144.60	57.95	137.15	57.37	134.17	56.78	
	0	-0.7	178.74	61.82	177.10	61.24	163.98	57.24	159.06	56.67	150.86	56.09	147.59	55.52	
	3	2.2	192.96	56.20	191.19	55.68	177.03	52.03	171.72	51.51	162.87	50.99	159.32	50.47	
	5	4.1	197.02	53.86	195.22	53.36	180.75	49.87	175.33	49.37	166.29	48.87	162.68	48.37	
	7	6	203.12	46.83	201.25	46.40	186.35	43.36	180.75	42.93	171.44	42.49	167.71	42.06	
	9	7.9	207.18	46.36	205.28	45.93	190.07	42.93	184.37	42.50	174.87	42.07	171.06	41.64	
	11	9.8	207.18	45.89	205.28	45.47	190.07	42.49	184.37	42.07	174.87	41.64	171.06	41.22	
	13	11.8	207.18	45.66	205.28	45.24	190.07	42.28	184.37	41.86	174.87	41.43	171.06	41.01	
	15	13.7	207.18	45.43	205.28	45.01	190.07	42.06	184.37	41.64	174.87	41.22	171.06	40.80	
	19	14.2	209.08	45.19	205.28	44.77	190.07	41.84	184.37	41.43	174.87	41.01	171.06	40.59	
21	15	209.08	44.96	205.28	44.54	190.07	41.63	184.37	41.21	174.87	40.79	171.06	40.38		
100%	-22.90	-23.00	74.41	50.14	73.73	49.68	68.27	46.43	66.22	45.96	62.80	45.50	61.44	45.04	
	-18.80	-19.00	80.44	51.32	79.70	50.85	73.80	47.52	71.59	47.05	67.90	46.57	66.42	46.10	
	-14.7	-15	90.50	53.45	89.67	52.96	83.03	49.49	80.53	49.00	76.38	48.50	74.72	48.01	
	-12.6	-13	100.55	53.93	99.63	53.43	92.25	49.93	89.48	49.43	84.87	48.93	83.03	48.43	
	-10.5	-11	108.60	54.40	107.60	53.90	99.63	50.37	96.64	49.87	91.66	49.36	89.67	48.86	
	-9.5	-10	114.63	55.35	113.58	54.83	105.17	51.25	102.01	50.73	96.75	50.22	94.65	49.71	
	-8.5	-9.1	120.66	56.76	119.56	56.24	110.70	52.56	107.38	52.03	101.84	51.51	99.63	50.98	
	-7	-7.6	140.77	58.18	139.48	57.65	129.15	53.87	125.28	53.34	118.82	52.80	116.24	52.26	
	-5	-5.6	150.83	60.55	149.45	59.99	138.38	56.06	134.22	55.50	127.31	54.94	124.54	54.38	
	-3	-3.7	160.88	63.86	159.41	63.27	147.60	59.13	143.17	58.54	135.79	57.95	132.84	57.36	
	0	-0.7	176.97	62.44	175.35	61.86	162.36	57.82	157.49	57.24	149.37	56.66	146.12	56.08	
	3	2.2	191.05	56.76	189.30	56.24	175.28	52.56	170.02	52.03	161.25	51.51	157.75	50.98	
	5	4.1	195.07	54.40	193.28	53.90	178.97	50.37	173.60	49.87	164.65	49.36	161.07	48.86	
	7	6	201.11	47.30	199.26	46.87	184.50	43.80	178.97	43.36	169.74	42.92	166.05	42.49	
	9	7.9	205.13	46.83	203.25	46.40	188.19	43.36	182.54	42.93	173.13	42.49	169.37	42.06	
	11	9.8	205.13	46.36	203.25	45.93	188.19	42.92	182.54	42.49	173.13	42.07	169.37	41.64	
	13	11.8	205.13	46.12	203.25	45.69	188.19	42.71	182.54	42.28	173.13	41.85	169.37	41.42	
	15	13.7	205.13	45.88	203.25	45.46	188.19	42.49	182.54	42.06	173.13	41.64	169.37	41.21	
	19	14.2	207.01	45.65	203.25	45.23	188.19	42.27	182.54	41.84	173.13	41.42	169.37	41.00	
21	15	207.01	45.41	203.25	44.99	188.19	42.05	182.54	41.63	173.13	41.21	169.37	40.79		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT060S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	68.46	45.63	67.83	45.21	62.80	42.25	60.92	41.83	57.78	41.40	56.52	40.98	
	-18.80	-19.00	74.01	46.71	73.33	46.27	67.90	43.25	65.86	42.81	62.46	42.38	61.11	41.95	
	-14.7	-15	83.26	48.64	82.49	48.19	76.38	45.04	74.09	44.59	70.27	44.14	68.74	43.69	
	-12.6	-13	92.51	49.07	91.66	48.62	84.87	45.44	82.32	44.98	78.08	44.53	76.38	44.07	
	-10.5	-11	99.91	49.50	98.99	49.05	91.66	45.84	88.91	45.38	84.33	44.92	82.49	44.46	
	-9.5	-10	105.46	50.36	104.49	49.90	96.75	46.63	93.85	46.17	89.01	45.70	87.08	45.23	
	-8.5	-9.1	111.01	51.66	109.99	51.18	101.84	47.83	98.79	47.35	93.70	46.87	91.66	46.39	
	-7	-7.6	129.51	52.95	128.32	52.46	118.82	49.03	115.25	48.54	109.31	48.04	106.94	47.55	
	-5	-5.6	138.76	55.10	137.49	54.59	127.31	51.02	123.49	50.51	117.12	50.00	114.57	49.49	
	-3	-3.7	148.01	58.11	146.66	57.57	135.79	53.81	131.72	53.27	124.93	52.73	122.21	52.19	
	0	-0.7	162.81	56.82	161.32	56.30	149.37	52.61	144.89	52.09	137.42	51.56	134.43	51.03	
	3	2.2	175.77	51.66	174.15	51.18	161.25	47.83	156.42	47.35	148.35	46.87	145.13	46.39	
	5	4.1	179.47	49.50	177.82	49.05	164.65	45.84	159.71	45.38	151.48	44.92	148.18	44.46	
	7	6	185.02	43.05	183.32	42.65	169.74	39.86	164.65	39.46	156.16	39.06	152.77	38.66	
	9	7.9	188.72	42.62	186.99	42.22	173.13	39.46	167.94	39.06	159.28	38.67	155.82	38.28	
	11	9.8	188.72	42.19	186.99	41.80	173.13	39.06	167.94	38.67	159.28	38.28	155.82	37.89	
	13	11.8	188.72	41.97	186.99	41.58	173.13	38.86	167.94	38.47	159.28	38.08	155.82	37.70	
15	13.7	188.72	41.76	186.99	41.37	173.13	38.66	167.94	38.28	159.28	37.89	155.82	37.50		
19	14.2	190.45	41.54	186.99	41.16	173.13	38.46	167.94	38.08	159.28	37.69	155.82	37.31		
21	15	190.45	41.32	186.99	40.94	173.13	38.26	167.94	37.88	159.28	37.50	155.82	37.12		
80%	-22.90	-23.00	60.27	36.96	59.72	36.62	55.29	34.22	53.64	33.88	50.87	33.54	49.77	33.20	
	-18.80	-19.00	65.16	37.83	64.56	37.48	59.78	35.03	57.98	34.68	55.00	34.33	53.80	33.98	
	-14.7	-15	73.30	39.40	72.63	39.04	67.25	36.48	65.23	36.12	61.87	35.75	60.53	35.39	
	-12.6	-13	81.45	39.75	80.70	39.38	74.72	36.80	72.48	36.44	68.74	36.07	67.25	35.70	
	-10.5	-11	87.96	40.10	87.16	39.73	80.70	37.13	78.28	36.76	74.24	36.39	72.63	36.01	
	-9.5	-10	92.85	40.80	92.00	40.42	85.18	37.77	82.63	37.40	78.37	37.02	76.67	36.64	
	-8.5	-9.1	97.74	41.84	96.84	41.45	89.67	38.74	86.98	38.35	82.49	37.97	80.70	37.58	
	-7	-7.6	114.03	42.89	112.98	42.49	104.61	39.71	101.47	39.31	96.24	38.92	94.15	38.52	
	-5	-5.6	122.17	44.63	121.05	44.22	112.08	41.32	108.72	40.91	103.12	40.50	100.88	40.09	
	-3	-3.7	130.32	47.07	129.12	46.64	119.56	43.58	115.97	43.15	109.99	42.71	107.60	42.28	
	0	-0.7	143.35	46.03	142.03	45.60	131.51	42.62	127.57	42.19	120.99	41.76	118.36	41.34	
	3	2.2	154.75	41.84	153.33	41.45	141.97	38.74	137.71	38.35	130.61	37.97	127.78	37.58	
	5	4.1	158.01	40.10	156.56	39.73	144.96	37.13	140.61	36.76	133.36	36.39	130.47	36.01	
	7	6	162.90	34.87	161.40	34.54	149.45	32.28	144.96	31.96	137.49	31.64	134.50	31.32	
	9	7.9	166.15	34.52	164.63	34.20	152.43	31.96	147.86	31.64	140.24	31.32	137.19	31.00	
	11	9.8	166.15	34.17	164.63	33.85	152.43	31.64	147.86	31.32	140.24	31.01	137.19	30.69	
	13	11.8	166.15	34.00	164.63	33.68	152.43	31.48	147.86	31.16	140.24	30.85	137.19	30.53	
15	13.7	166.15	33.82	164.63	33.51	152.43	31.32	147.86	31.00	140.24	30.69	137.19	30.38		
19	14.2	167.68	33.65	164.63	33.34	152.43	31.16	147.86	30.84	140.24	30.53	137.19	30.22		
21	15	167.68	33.47	164.63	33.16	152.43	30.99	147.86	30.68	140.24	30.37	137.19	30.06		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT060S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	52.09	35.10	51.61	34.77	47.79	32.50	46.35	32.17	43.96	31.85	43.01	31.52	
	-18.80	-19.00	56.31	35.93	55.79	35.59	51.66	33.27	50.11	32.93	47.53	32.60	46.49	32.27	
	-14.7	-15	63.35	37.42	62.77	37.07	58.12	34.65	56.37	34.30	53.47	33.95	52.31	33.61	
	-12.6	-13	70.39	37.75	69.74	37.40	64.58	34.95	62.64	34.60	59.41	34.25	58.12	33.90	
	-10.5	-11	76.02	38.08	75.32	37.73	69.74	35.26	67.65	34.91	64.16	34.55	62.77	34.20	
	-9.5	-10	80.24	38.74	79.50	38.38	73.62	35.87	71.41	35.51	67.73	35.15	66.25	34.80	
	-8.5	-9.1	84.46	39.74	83.69	39.37	77.49	36.79	75.17	36.42	71.29	36.06	69.74	35.69	
	-7	-7.6	98.54	40.73	97.64	40.35	90.41	37.71	87.69	37.33	83.17	36.96	81.36	36.58	
	-5	-5.6	105.58	42.38	104.61	41.99	96.86	39.24	93.96	38.85	89.11	38.46	87.18	38.07	
	-3	-3.7	112.62	44.70	111.59	44.29	103.32	41.39	100.22	40.98	95.05	40.56	92.99	40.15	
	0	-0.7	123.88	43.71	122.74	43.30	113.65	40.47	110.24	40.07	104.56	39.66	102.29	39.26	
	3	2.2	133.73	39.74	132.51	39.37	122.69	36.79	119.01	36.42	112.88	36.06	110.42	35.69	
	5	4.1	136.55	38.08	135.30	37.73	125.28	35.26	121.52	34.91	115.25	34.55	112.75	34.20	
	7	6	140.77	33.11	139.48	32.81	129.15	30.66	125.28	30.35	118.82	30.05	116.24	29.74	
	9	7.9	143.59	32.78	142.27	32.48	131.73	30.35	127.78	30.05	121.19	29.75	118.56	29.44	
	11	9.8	143.59	32.45	142.27	32.15	131.73	30.05	127.78	29.75	121.19	29.45	118.56	29.15	
	13	11.8	143.59	32.28	142.27	31.99	131.73	29.89	127.78	29.59	121.19	29.30	118.56	29.00	
	15	13.7	143.59	32.12	142.27	31.82	131.73	29.74	127.78	29.44	121.19	29.15	118.56	28.85	
19	14.2	144.91	31.95	142.27	31.66	131.73	29.59	127.78	29.29	121.19	29.00	118.56	28.70		
21	15	144.91	31.79	142.27	31.49	131.73	29.43	127.78	29.14	121.19	28.84	118.56	28.55		
60%	-22.90	-23.00	46.88	31.09	46.45	30.80	43.01	28.79	41.72	28.50	39.57	28.21	38.71	27.92	
	-18.80	-19.00	50.68	31.82	50.21	31.53	46.49	29.46	45.10	29.17	42.77	28.87	41.84	28.58	
	-14.7	-15	57.01	33.14	56.49	32.83	52.31	30.69	50.74	30.38	48.12	30.07	47.08	29.77	
	-12.6	-13	63.35	33.43	62.77	33.12	58.12	30.96	56.37	30.65	53.47	30.34	52.31	30.03	
	-10.5	-11	68.42	33.73	67.79	33.42	62.77	31.23	60.88	30.92	57.75	30.60	56.49	30.29	
	-9.5	-10	72.22	34.31	71.55	34.00	66.25	31.77	64.27	31.45	60.95	31.14	59.63	30.82	
	-8.5	-9.1	76.02	35.19	75.32	34.87	69.74	32.59	67.65	32.26	64.16	31.94	62.77	31.61	
	-7	-7.6	88.69	36.07	87.87	35.74	81.36	33.40	78.92	33.07	74.86	32.73	73.23	32.40	
	-5	-5.6	95.02	37.54	94.15	37.19	87.18	34.76	84.56	34.41	80.20	34.06	78.46	33.72	
	-3	-3.7	101.36	39.59	100.43	39.23	92.99	36.66	90.20	36.29	85.55	35.93	83.69	35.56	
	0	-0.7	111.49	38.71	110.47	38.36	102.29	35.85	99.22	35.49	94.10	35.13	92.06	34.77	
	3	2.2	120.36	35.19	119.26	34.87	110.42	32.59	107.11	32.26	101.59	31.94	99.38	31.61	
	5	4.1	122.90	33.73	121.77	33.42	112.75	31.23	109.37	30.92	103.73	30.60	101.47	30.29	
	7	6	126.70	29.33	125.53	29.06	116.24	27.16	112.75	26.88	106.94	26.61	104.61	26.34	
	9	7.9	129.23	29.04	128.04	28.77	118.56	26.88	115.00	26.62	109.07	26.35	106.70	26.08	
	11	9.8	129.23	28.74	128.04	28.48	118.56	26.61	115.00	26.35	109.07	26.08	106.70	25.81	
	13	11.8	129.23	28.60	128.04	28.33	118.56	26.48	115.00	26.21	109.07	25.95	106.70	25.68	
	15	13.7	129.23	28.45	128.04	28.19	118.56	26.34	115.00	26.08	109.07	25.81	106.70	25.55	
19	14.2	130.42	28.30	128.04	28.04	118.56	26.21	115.00	25.94	109.07	25.68	106.70	25.42		
21	15	130.42	28.16	128.04	27.89	118.56	26.07	115.00	25.81	109.07	25.55	106.70	25.29		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT060S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	40.18	32.59	39.81	32.29	36.86	30.18	35.76	29.88	33.91	29.57	33.18	29.27	
	-18.80	-19.00	43.44	33.36	43.04	33.05	39.85	30.89	38.66	30.58	36.66	30.27	35.87	29.96	
	-14.7	-15	48.87	34.74	48.42	34.42	44.83	32.17	43.49	31.85	41.25	31.53	40.35	31.21	
	-12.6	-13	54.30	35.05	53.80	34.73	49.82	32.46	48.32	32.13	45.83	31.81	44.83	31.48	
	-10.5	-11	58.64	35.36	58.10	35.03	53.80	32.74	52.19	32.41	49.50	32.09	48.42	31.76	
	-9.5	-10	61.90	35.97	61.33	35.64	56.79	33.31	55.09	32.98	52.25	32.64	51.11	32.31	
	-8.5	-9.1	65.16	36.90	64.56	36.56	59.78	34.16	57.98	33.82	55.00	33.48	53.80	33.14	
	-7	-7.6	76.02	37.82	75.32	37.47	69.74	35.02	67.65	34.67	64.16	34.32	62.77	33.97	
	-5	-5.6	81.45	39.36	80.70	38.99	74.72	36.44	72.48	36.08	68.74	35.71	67.25	35.35	
	-3	-3.7	86.88	41.51	86.08	41.12	79.70	38.43	77.31	38.05	73.33	37.67	71.73	37.28	
	0	-0.7	95.57	40.59	94.69	40.21	87.67	37.58	85.04	37.20	80.66	36.83	78.91	36.45	
	3	2.2	103.17	36.90	102.22	36.56	94.65	34.16	91.81	33.82	87.08	33.48	85.18	33.14	
	5	4.1	105.34	35.36	104.37	35.03	96.64	32.74	93.74	32.41	88.91	32.09	86.98	31.76	
	7	6	108.60	30.75	107.60	30.46	99.63	28.47	96.64	28.19	91.66	27.90	89.67	27.62	
	9	7.9	110.77	30.44	109.75	30.16	101.62	28.19	98.57	27.90	93.49	27.62	91.46	27.34	
	11	9.8	110.77	30.13	109.75	29.85	101.62	27.90	98.57	27.62	93.49	27.34	91.46	27.06	
	13	11.8	110.77	29.98	109.75	29.70	101.62	27.76	98.57	27.48	93.49	27.20	91.46	26.93	
15	13.7	110.77	29.83	109.75	29.55	101.62	27.62	98.57	27.34	93.49	27.06	91.46	26.79		
19	14.2	111.78	29.67	109.75	29.40	101.62	27.47	98.57	27.20	93.49	26.92	91.46	26.65		
21	15	111.78	29.52	109.75	29.24	101.62	27.33	98.57	27.06	93.49	26.78	91.46	26.51		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT062S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	80.53	49.53	79.79	49.07	73.88	45.86	71.67	45.40	67.97	44.94	66.49	44.48	
	-18.80	-19.00	87.06	50.69	86.26	50.23	79.87	46.94	77.48	46.47	73.48	46.00	71.88	45.53	
	-14.7	-15	97.94	52.80	97.04	52.31	89.86	48.89	87.16	48.40	82.67	47.91	80.87	47.42	
	-12.6	-13	108.83	53.26	107.83	52.77	99.84	49.32	96.84	48.83	91.85	48.33	89.86	47.84	
	-10.5	-11	117.53	53.73	116.45	53.23	107.83	49.75	104.59	49.25	99.20	48.76	97.04	48.26	
	-9.5	-10	124.06	54.67	122.92	54.16	113.82	50.62	110.40	50.11	104.71	49.60	102.44	49.10	
	-8.5	-9.1	130.59	56.07	129.39	55.55	119.81	51.91	116.21	51.40	110.22	50.88	107.83	50.36	
	-7	-7.6	152.36	57.47	150.96	56.94	139.78	53.21	135.58	52.68	128.59	52.15	125.80	51.62	
	-5	-5.6	163.24	59.81	161.74	59.25	149.76	55.38	145.27	54.82	137.78	54.27	134.78	53.71	
	-3	-3.7	174.12	63.08	172.52	62.49	159.74	58.40	154.95	57.82	146.96	57.24	143.77	56.65	
	0	-0.7	191.53	61.67	189.78	61.10	175.72	57.11	170.45	56.53	161.66	55.96	158.15	55.39	
	3	2.2	206.77	56.07	204.87	55.55	189.70	51.91	184.01	51.40	174.52	50.88	170.73	50.36	
	5	4.1	211.12	53.73	209.18	53.23	193.69	49.75	187.88	49.25	178.19	48.76	174.32	48.26	
	7	6	217.65	46.72	215.65	46.29	199.68	43.26	193.69	42.83	183.71	42.40	179.71	41.96	
	9	7.9	222.00	46.26	219.97	45.83	203.67	42.83	197.56	42.40	187.38	41.97	183.31	41.54	
	11	9.8	222.00	45.79	219.97	45.36	203.67	42.40	197.56	41.97	187.38	41.55	183.31	41.12	
	13	11.8	222.00	45.55	219.97	45.13	203.67	42.18	197.56	41.76	187.38	41.34	183.31	40.92	
	15	13.7	222.00	45.32	219.97	44.90	203.67	41.96	197.56	41.54	187.38	41.12	183.31	40.71	
19	14.2	224.04	45.09	219.97	44.67	203.67	41.75	197.56	41.33	187.38	40.91	183.31	40.50		
21	15	224.04	44.85	219.97	44.44	203.67	41.53	197.56	41.12	187.38	40.70	183.31	40.29		
120%	-22.90	-23.00	79.76	50.04	79.02	49.57	73.17	46.33	70.98	45.87	67.32	45.40	65.85	44.94	
	-18.80	-19.00	86.22	51.22	85.43	50.74	79.10	47.42	76.73	46.95	72.78	46.47	71.19	46.00	
	-14.7	-15	97.00	53.34	96.11	52.85	88.99	49.39	86.32	48.90	81.87	48.40	80.09	47.91	
	-12.6	-13	107.78	53.81	106.79	53.32	98.88	49.83	95.91	49.33	90.97	48.83	88.99	48.33	
	-10.5	-11	116.40	54.29	115.33	53.78	106.79	50.26	103.59	49.76	98.25	49.26	96.11	48.76	
	-9.5	-10	122.87	55.23	121.74	54.72	112.72	51.14	109.34	50.63	103.71	50.12	101.45	49.60	
	-8.5	-9.1	129.34	56.65	128.15	56.12	118.66	52.45	115.10	51.93	109.16	51.40	106.79	50.88	
	-7	-7.6	150.89	58.06	149.51	57.52	138.43	53.76	134.28	53.22	127.36	52.69	124.59	52.15	
	-5	-5.6	161.67	60.42	160.19	59.86	148.32	55.95	143.87	55.39	136.45	54.83	133.49	54.27	
	-3	-3.7	172.45	63.73	170.86	63.14	158.21	59.01	153.46	58.42	145.55	57.83	142.39	57.24	
	0	-0.7	189.69	62.31	187.95	61.73	174.03	57.69	168.81	57.12	160.11	56.54	156.63	55.96	
	3	2.2	204.78	56.65	202.90	56.12	187.87	52.45	182.24	51.93	172.84	51.40	169.08	50.88	
	5	4.1	209.09	54.29	207.17	53.78	191.83	50.26	186.07	49.76	176.48	49.26	172.64	48.76	
	7	6	215.56	47.20	213.58	46.77	197.76	43.71	191.83	43.27	181.94	42.83	177.98	42.40	
	9	7.9	219.87	46.73	217.85	46.30	201.72	43.27	195.66	42.84	185.58	42.41	181.54	41.97	
	11	9.8	219.87	46.26	217.85	45.83	201.72	42.83	195.66	42.41	185.58	41.98	181.54	41.55	
	13	11.8	219.87	46.02	217.85	45.60	201.72	42.62	195.66	42.19	185.58	41.76	181.54	41.34	
	15	13.7	219.87	45.79	217.85	45.36	201.72	42.40	195.66	41.97	185.58	41.55	181.54	41.12	
19	14.2	221.89	45.55	217.85	45.13	201.72	42.18	195.66	41.76	185.58	41.33	181.54	40.91		
21	15	221.89	45.32	217.85	44.90	201.72	41.96	195.66	41.54	185.58	41.12	181.54	40.70		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT062S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	78.21	50.55	77.49	50.08	71.75	46.80	69.60	46.34	66.01	45.87	64.58	45.40	
	-18.80	-19.00	84.55	51.74	83.77	51.26	77.57	47.91	75.24	47.43	71.36	46.95	69.81	46.47	
	-14.7	-15	95.12	53.89	94.25	53.39	87.26	49.89	84.65	49.40	80.28	48.90	78.54	48.40	
	-12.6	-13	105.69	54.36	104.72	53.86	96.96	50.34	94.05	49.83	89.20	49.33	87.26	48.83	
	-10.5	-11	114.14	54.84	113.09	54.33	104.72	50.78	101.58	50.27	96.34	49.76	94.25	49.25	
	-9.5	-10	120.48	55.79	119.38	55.28	110.53	51.66	107.22	51.14	101.69	50.63	99.48	50.11	
	-8.5	-9.1	126.82	57.22	125.66	56.69	116.35	52.98	112.86	52.45	107.04	51.93	104.72	51.40	
	-7	-7.6	147.96	58.65	146.60	58.11	135.74	54.31	131.67	53.77	124.88	53.22	122.17	52.68	
	-5	-5.6	158.53	61.04	157.08	60.47	145.44	56.52	141.08	55.95	133.80	55.39	130.90	54.82	
	-3	-3.7	169.10	64.38	167.55	63.78	155.14	59.61	150.48	59.01	142.73	58.42	139.62	57.82	
	0	-0.7	186.01	62.95	184.30	62.36	170.65	58.28	165.53	57.70	157.00	57.12	153.58	56.53	
	3	2.2	200.80	57.22	198.96	56.69	184.22	52.98	178.70	52.45	169.49	51.93	165.80	51.40	
	5	4.1	205.03	54.84	203.15	54.33	188.10	50.78	182.46	50.27	173.05	49.76	169.29	49.25	
	7	6	211.37	47.69	209.43	47.24	193.92	44.15	188.10	43.71	178.41	43.27	174.53	42.83	
	9	7.9	215.60	47.21	213.62	46.77	197.80	43.71	191.86	43.28	181.97	42.84	178.02	42.40	
	11	9.8	215.60	46.73	213.62	46.30	197.80	43.27	191.86	42.84	181.97	42.41	178.02	41.97	
	13	11.8	215.60	46.49	213.62	46.06	197.80	43.05	191.86	42.62	181.97	42.19	178.02	41.76	
	15	13.7	215.60	46.26	213.62	45.83	197.80	42.83	191.86	42.40	181.97	41.97	178.02	41.54	
19	14.2	217.58	46.02	213.62	45.59	197.80	42.61	191.86	42.18	181.97	41.76	178.02	41.33		
21	15	217.58	45.78	213.62	45.35	197.80	42.39	191.86	41.96	181.97	41.54	178.02	41.12		
100%	-22.90	-23.00	77.43	51.06	76.72	50.59	71.04	47.28	68.91	46.80	65.36	46.33	63.94	45.86	
	-18.80	-19.00	83.71	52.26	82.94	51.78	76.80	48.39	74.50	47.91	70.66	47.42	69.12	46.94	
	-14.7	-15	94.18	54.43	93.31	53.93	86.40	50.40	83.81	49.89	79.49	49.39	77.76	48.89	
	-12.6	-13	104.64	54.91	103.68	54.40	96.00	50.84	93.12	50.34	88.32	49.83	86.40	49.32	
	-10.5	-11	113.01	55.39	111.97	54.88	103.68	51.29	100.57	50.78	95.39	50.26	93.31	49.75	
	-9.5	-10	119.29	56.36	118.20	55.83	109.44	52.18	106.16	51.66	100.68	51.14	98.50	50.62	
	-8.5	-9.1	125.57	57.80	124.42	57.27	115.20	53.52	111.74	52.98	105.98	52.45	103.68	51.91	
	-7	-7.6	146.50	59.25	145.15	58.70	134.40	54.86	130.37	54.31	123.65	53.76	120.96	53.21	
	-5	-5.6	156.96	61.66	155.52	61.08	144.00	57.09	139.68	56.52	132.48	55.95	129.60	55.38	
	-3	-3.7	167.42	65.03	165.89	64.42	153.60	60.21	148.99	59.61	141.31	59.01	138.24	58.40	
	0	-0.7	184.17	63.58	182.48	62.99	168.96	58.87	163.89	58.28	155.44	57.69	152.06	57.11	
	3	2.2	198.82	57.80	196.99	57.27	182.40	53.52	176.93	52.98	167.81	52.45	164.16	51.91	
	5	4.1	203.00	55.39	201.14	54.88	186.24	51.29	180.65	50.78	171.34	50.26	167.62	49.75	
	7	6	209.28	48.17	207.36	47.72	192.00	44.60	186.24	44.15	176.64	43.71	172.80	43.26	
	9	7.9	213.47	47.69	211.51	47.24	195.84	44.15	189.96	43.71	180.17	43.27	176.26	42.83	
	11	9.8	213.47	47.20	211.51	46.77	195.84	43.71	189.96	43.27	180.17	42.83	176.26	42.40	
	13	11.8	213.47	46.96	211.51	46.53	195.84	43.49	189.96	43.05	180.17	42.62	176.26	42.18	
	15	13.7	213.47	46.72	211.51	46.29	195.84	43.26	189.96	42.83	180.17	42.40	176.26	41.96	
19	14.2	215.42	46.48	211.51	46.05	195.84	43.04	189.96	42.61	180.17	42.18	176.26	41.75		
21	15	215.42	46.24	211.51	45.81	195.84	42.82	189.96	42.39	180.17	41.96	176.26	41.53		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT062S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	71.24	46.46	70.59	46.03	65.36	43.02	63.40	42.59	60.13	42.16	58.82	41.73	
	-18.80	-19.00	77.02	47.56	76.31	47.12	70.66	44.04	68.54	43.60	65.00	43.16	63.59	42.71	
	-14.7	-15	86.64	49.53	85.85	49.07	79.49	45.86	77.10	45.40	73.13	44.94	71.54	44.49	
	-12.6	-13	96.27	49.97	95.39	49.51	88.32	46.27	85.67	45.81	81.25	45.34	79.49	44.88	
	-10.5	-11	103.97	50.41	103.02	49.94	95.39	46.67	92.52	46.21	87.75	45.74	85.85	45.27	
	-9.5	-10	109.75	51.28	108.74	50.81	100.68	47.49	97.66	47.01	92.63	46.54	90.62	46.06	
	-8.5	-9.1	115.52	52.60	114.46	52.11	105.98	48.70	102.80	48.22	97.51	47.73	95.39	47.24	
	-7	-7.6	134.78	53.91	133.54	53.42	123.65	49.92	119.94	49.42	113.76	48.92	111.28	48.42	
	-5	-5.6	144.40	56.11	143.08	55.59	132.48	51.95	128.51	51.43	121.88	50.91	119.23	50.39	
	-3	-3.7	154.03	59.17	152.62	58.63	141.31	54.79	137.07	54.24	130.01	53.70	127.18	53.15	
	0	-0.7	169.43	57.86	167.88	57.32	155.44	53.57	150.78	53.04	143.01	52.50	139.90	51.97	
	3	2.2	182.91	52.60	181.23	52.11	167.81	48.70	162.77	48.22	154.38	47.73	151.03	47.24	
	5	4.1	186.76	50.41	185.05	49.94	171.34	46.67	166.20	46.21	157.63	45.74	154.21	45.27	
	7	6	192.54	43.83	190.77	43.43	176.64	40.59	171.34	40.18	162.51	39.77	158.98	39.37	
	9	7.9	196.39	43.39	194.59	42.99	180.17	40.18	174.77	39.78	165.76	39.38	162.16	38.97	
	11	9.8	196.39	42.96	194.59	42.56	180.17	39.77	174.77	39.38	165.76	38.98	162.16	38.58	
	13	11.8	196.39	42.74	194.59	42.34	180.17	39.57	174.77	39.18	165.76	38.78	162.16	38.38	
	15	13.7	196.39	42.52	194.59	42.12	180.17	39.37	174.77	38.97	165.76	38.58	162.16	38.19	
	19	14.2	198.19	42.30	194.59	41.91	180.17	39.17	174.77	38.77	165.76	38.38	162.16	37.99	
21	15	198.19	42.08	194.59	41.69	180.17	38.96	174.77	38.57	165.76	38.18	162.16	37.79		
80%	-22.90	-23.00	62.72	37.63	62.15	37.29	57.54	34.85	55.82	34.50	52.94	34.15	51.79	33.80	
	-18.80	-19.00	67.81	38.52	67.18	38.17	62.21	35.67	60.34	35.31	57.23	34.96	55.99	34.60	
	-14.7	-15	76.28	40.12	75.58	39.75	69.98	37.15	67.88	36.78	64.39	36.41	62.99	36.03	
	-12.6	-13	84.76	40.48	83.98	40.10	77.76	37.48	75.43	37.10	71.54	36.73	69.98	36.35	
	-10.5	-11	91.54	40.83	90.70	40.45	83.98	37.81	81.46	37.43	77.26	37.05	75.58	36.67	
	-9.5	-10	96.62	41.54	95.74	41.16	88.65	38.46	85.99	38.08	81.55	37.69	79.78	37.31	
	-8.5	-9.1	101.71	42.61	100.78	42.21	93.31	39.45	90.51	39.06	85.85	38.66	83.98	38.27	
	-7	-7.6	118.66	43.67	117.57	43.27	108.86	40.44	105.60	40.03	100.15	39.63	97.98	39.22	
	-5	-5.6	127.14	45.45	125.97	45.03	116.64	42.08	113.14	41.66	107.31	41.24	104.98	40.82	
	-3	-3.7	135.61	47.93	134.37	47.49	124.42	44.38	120.68	43.94	114.46	43.49	111.97	43.05	
	0	-0.7	149.17	46.87	147.81	46.43	136.86	43.39	132.75	42.96	125.91	42.53	123.17	42.09	
	3	2.2	161.04	42.61	159.56	42.21	147.74	39.45	143.31	39.06	135.92	38.66	132.97	38.27	
	5	4.1	164.43	40.83	162.92	40.45	150.85	37.81	146.33	37.43	138.79	37.05	135.77	36.67	
	7	6	169.52	35.50	167.96	35.18	155.52	32.87	150.85	32.55	143.08	32.22	139.97	31.89	
	9	7.9	172.91	35.15	171.32	34.82	158.63	32.55	153.87	32.22	145.94	31.89	142.77	31.57	
	11	9.8	172.91	34.79	171.32	34.47	158.63	32.22	153.87	31.89	145.94	31.57	142.77	31.25	
	13	11.8	172.91	34.62	171.32	34.30	158.63	32.05	153.87	31.73	145.94	31.41	142.77	31.09	
	15	13.7	172.91	34.44	171.32	34.12	158.63	31.89	153.87	31.57	145.94	31.25	142.77	30.93	
	19	14.2	174.49	34.26	171.32	33.94	158.63	31.72	153.87	31.41	145.94	31.09	142.77	30.77	
21	15	174.49	34.08	171.32	33.77	158.63	31.56	153.87	31.24	145.94	30.93	142.77	30.61		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT062S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	54.20	35.74	53.71	35.41	49.73	33.09	48.24	32.76	45.75	32.43	44.76	32.10	
	-18.80	-19.00	58.60	36.58	58.06	36.24	53.76	33.87	52.15	33.53	49.46	33.20	48.38	32.86	
	-14.7	-15	65.92	38.10	65.32	37.75	60.48	35.28	58.67	34.93	55.64	34.57	54.43	34.22	
	-12.6	-13	73.25	38.44	72.58	38.08	67.20	35.59	65.18	35.23	61.82	34.88	60.48	34.52	
	-10.5	-11	79.11	38.78	78.38	38.42	72.58	35.90	70.40	35.54	66.77	35.18	65.32	34.83	
	-9.5	-10	83.50	39.45	82.74	39.08	76.61	36.53	74.31	36.16	70.48	35.80	68.95	35.43	
	-8.5	-9.1	87.90	40.46	87.09	40.09	80.64	37.46	78.22	37.09	74.19	36.71	72.58	36.34	
	-7	-7.6	102.55	41.47	101.61	41.09	94.08	38.40	91.26	38.02	86.55	37.63	84.67	37.25	
	-5	-5.6	109.87	43.16	108.86	42.76	100.80	39.96	97.78	39.56	92.74	39.16	90.72	38.76	
	-3	-3.7	117.20	45.52	116.12	45.10	107.52	42.15	104.29	41.73	98.92	41.30	96.77	40.88	
	0	-0.7	128.92	44.51	127.73	44.10	118.27	41.21	114.72	40.80	108.81	40.39	106.44	39.97	
	3	2.2	139.17	40.46	137.89	40.09	127.68	37.46	123.85	37.09	117.47	36.71	114.91	36.34	
	5	4.1	142.10	38.78	140.80	38.42	130.37	35.90	126.46	35.54	119.94	35.18	117.33	34.83	
	7	6	146.50	33.72	145.15	33.41	134.40	31.22	130.37	30.91	123.65	30.60	120.96	30.28	
	9	7.9	149.43	33.38	148.06	33.07	137.09	30.91	132.98	30.60	126.12	30.29	123.38	29.98	
	11	9.8	149.43	33.04	148.06	32.74	137.09	30.60	132.98	30.29	126.12	29.98	123.38	29.68	
	13	11.8	149.43	32.87	148.06	32.57	137.09	30.44	132.98	30.14	126.12	29.83	123.38	29.53	
	15	13.7	149.43	32.71	148.06	32.40	137.09	30.28	132.98	29.98	126.12	29.68	123.38	29.37	
19	14.2	150.80	32.54	148.06	32.24	137.09	30.13	132.98	29.83	126.12	29.52	123.38	29.22		
21	15	150.80	32.37	148.06	32.07	137.09	29.97	132.98	29.67	126.12	29.37	123.38	29.07		
60%	-22.90	-23.00	48.78	31.66	48.34	31.36	44.76	29.31	43.41	29.02	41.17	28.72	40.28	28.43	
	-18.80	-19.00	52.74	32.40	52.25	32.10	48.38	30.00	46.93	29.70	44.51	29.40	43.55	29.10	
	-14.7	-15	59.33	33.75	58.79	33.43	54.43	31.25	52.80	30.93	50.08	30.62	48.99	30.31	
	-12.6	-13	65.92	34.05	65.32	33.73	60.48	31.52	58.67	31.21	55.64	30.89	54.43	30.58	
	-10.5	-11	71.20	34.34	70.54	34.03	65.32	31.80	63.36	31.48	60.09	31.16	58.79	30.85	
	-9.5	-10	75.15	34.94	74.46	34.62	68.95	32.35	66.88	32.03	63.43	31.71	62.05	31.38	
	-8.5	-9.1	79.11	35.84	78.38	35.51	72.58	33.18	70.40	32.85	66.77	32.52	65.32	32.19	
	-7	-7.6	92.29	36.73	91.45	36.39	84.67	34.01	82.13	33.67	77.90	33.33	76.20	32.99	
	-5	-5.6	98.88	38.23	97.98	37.87	90.72	35.39	88.00	35.04	83.46	34.69	81.65	34.33	
	-3	-3.7	105.48	40.32	104.51	39.94	96.77	37.33	93.86	36.96	89.03	36.58	87.09	36.21	
	0	-0.7	116.02	39.42	114.96	39.06	106.44	36.50	103.25	36.14	97.93	35.77	95.80	35.41	
	3	2.2	125.25	35.84	124.10	35.51	114.91	33.18	111.46	32.85	105.72	32.52	103.42	32.19	
	5	4.1	127.89	34.34	126.72	34.03	117.33	31.80	113.81	31.48	107.94	31.16	105.60	30.85	
	7	6	131.85	29.86	130.64	29.59	120.96	27.65	117.33	27.38	111.28	27.10	108.86	26.82	
	9	7.9	134.48	29.57	133.25	29.29	123.38	27.38	119.68	27.10	113.51	26.83	111.04	26.55	
	11	9.8	134.48	29.27	133.25	29.00	123.38	27.10	119.68	26.83	113.51	26.56	111.04	26.29	
	13	11.8	134.48	29.12	133.25	28.85	123.38	26.96	119.68	26.69	113.51	26.42	111.04	26.15	
	15	13.7	134.48	28.97	133.25	28.70	123.38	26.82	119.68	26.55	113.51	26.29	111.04	26.02	
19	14.2	135.72	28.82	133.25	28.55	123.38	26.68	119.68	26.42	113.51	26.15	111.04	25.88		
21	15	135.72	28.67	133.25	28.40	123.38	26.55	119.68	26.28	113.51	26.02	111.04	25.75		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT062S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	41.81	33.19	41.43	32.88	38.36	30.73	37.21	30.42	35.29	30.11	34.53	29.81	
	-18.80	-19.00	45.20	33.97	44.79	33.66	41.47	31.45	40.23	31.14	38.15	30.83	37.32	30.51	
	-14.7	-15	50.86	35.38	50.39	35.05	46.66	32.76	45.26	32.43	42.92	32.10	41.99	31.78	
	-12.6	-13	56.51	35.69	55.99	35.36	51.84	33.05	50.28	32.72	47.69	32.39	46.66	32.06	
	-10.5	-11	61.03	36.01	60.47	35.67	55.99	33.34	54.31	33.01	51.51	32.67	50.39	32.34	
	-9.5	-10	64.42	36.63	63.83	36.29	59.10	33.92	57.32	33.58	54.37	33.24	53.19	32.90	
	-8.5	-9.1	67.81	37.57	67.18	37.22	62.21	34.79	60.34	34.44	57.23	34.09	55.99	33.74	
	-7	-7.6	79.11	38.51	78.38	38.15	72.58	35.66	70.40	35.30	66.77	34.94	65.32	34.59	
	-5	-5.6	84.76	40.08	83.98	39.70	77.76	37.11	75.43	36.74	71.54	36.37	69.98	35.99	
	-3	-3.7	90.41	42.27	89.58	41.88	82.94	39.14	80.46	38.75	76.31	38.35	74.65	37.96	
	0	-0.7	99.45	41.33	98.54	40.95	91.24	38.27	88.50	37.88	83.94	37.50	82.11	37.12	
	3	2.2	107.36	37.57	106.38	37.22	98.50	34.79	95.54	34.44	90.62	34.09	88.65	33.74	
	5	4.1	109.62	36.01	108.62	35.67	100.57	33.34	97.55	33.01	92.52	32.67	90.51	32.34	
	7	6	113.01	31.31	111.97	31.02	103.68	28.99	100.57	28.70	95.39	28.41	93.31	28.12	
	9	7.9	115.27	31.00	114.21	30.71	105.75	28.70	102.58	28.41	97.29	28.13	95.18	27.84	
	11	9.8	115.27	30.68	114.21	30.40	105.75	28.41	102.58	28.13	97.29	27.84	95.18	27.56	
	13	11.8	115.27	30.53	114.21	30.24	105.75	28.27	102.58	27.98	97.29	27.70	95.18	27.42	
15	13.7	115.27	30.37	114.21	30.09	105.75	28.12	102.58	27.84	97.29	27.56	95.18	27.28		
19	14.2	116.33	30.21	114.21	29.93	105.75	27.98	102.58	27.70	97.29	27.42	95.18	27.14		
21	15	116.33	30.06	114.21	29.78	105.75	27.83	102.58	27.55	97.29	27.27	95.18	27.00		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT064S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	83.68	50.41	82.91	49.95	76.77	46.68	74.46	46.21	70.63	45.75	69.09	45.28	
	-18.80	-19.00	90.46	51.60	89.63	51.13	82.99	47.78	80.50	47.30	76.35	46.83	74.69	46.35	
	-14.7	-15	101.77	53.74	100.84	53.25	93.37	49.76	90.57	49.27	85.90	48.77	84.03	48.27	
	-12.6	-13	113.08	54.22	112.04	53.72	103.74	50.20	100.63	49.70	95.44	49.20	93.37	48.70	
	-10.5	-11	122.12	54.70	121.00	54.19	112.04	50.64	108.68	50.14	103.08	49.63	100.84	49.12	
	-9.5	-10	128.91	55.65	127.72	55.13	118.26	51.52	114.72	51.01	108.80	50.49	106.44	49.98	
	-8.5	-9.1	135.69	57.07	134.45	56.54	124.49	52.85	120.75	52.32	114.53	51.79	112.04	51.26	
	-7	-7.6	158.31	58.50	156.85	57.96	145.24	54.17	140.88	53.63	133.62	53.08	130.71	52.54	
	-5	-5.6	169.61	60.88	168.06	60.31	155.61	56.37	150.94	55.80	143.16	55.24	140.05	54.68	
	-3	-3.7	180.92	64.21	179.26	63.61	165.98	59.45	161.00	58.86	152.71	58.26	149.39	57.67	
	0	-0.7	199.01	62.78	197.19	62.20	182.58	58.13	177.10	57.55	167.98	56.97	164.32	56.39	
	3	2.2	214.85	57.07	212.87	56.54	197.11	52.85	191.19	52.32	181.34	51.79	177.40	51.26	
	5	4.1	219.37	54.70	217.36	54.19	201.26	50.64	195.22	50.14	185.16	49.63	181.13	49.12	
	7	6	226.15	47.56	224.08	47.12	207.48	44.04	201.26	43.60	190.88	43.16	186.73	42.72	
	9	7.9	230.68	47.09	228.56	46.65	211.63	43.60	205.28	43.16	194.70	42.73	190.47	42.29	
	11	9.8	230.68	46.61	228.56	46.18	211.63	43.16	205.28	42.73	194.70	42.29	190.47	41.86	
	13	11.8	230.68	46.37	228.56	45.94	211.63	42.94	205.28	42.51	194.70	42.08	190.47	41.65	
	15	13.7	230.68	46.13	228.56	45.71	211.63	42.72	205.28	42.29	194.70	41.86	190.47	41.44	
19	14.2	232.79	45.90	228.56	45.47	211.63	42.50	205.28	42.07	194.70	41.65	190.47	41.22		
21	15	232.79	45.66	228.56	45.24	211.63	42.28	205.28	41.85	194.70	41.43	190.47	41.01		
120%	-22.90	-23.00	82.87	50.93	82.11	50.46	76.03	47.16	73.75	46.69	69.95	46.22	68.43	45.75	
	-18.80	-19.00	89.59	52.14	88.77	51.65	82.19	48.27	79.73	47.79	75.62	47.31	73.97	46.83	
	-14.7	-15	100.79	54.30	99.87	53.80	92.47	50.28	89.69	49.77	85.07	49.27	83.22	48.77	
	-12.6	-13	111.99	54.78	110.96	54.27	102.74	50.72	99.66	50.21	94.52	49.71	92.47	49.20	
	-10.5	-11	120.95	55.26	119.84	54.75	110.96	51.17	107.63	50.65	102.08	50.14	99.87	49.63	
	-9.5	-10	127.67	56.22	126.50	55.70	117.13	52.06	113.61	51.54	107.76	51.01	105.41	50.49	
	-8.5	-9.1	134.39	57.66	133.15	57.13	123.29	53.39	119.59	52.86	113.43	52.32	110.96	51.79	
	-7	-7.6	156.79	59.10	155.35	58.56	143.84	54.73	139.52	54.18	132.33	53.63	129.46	53.08	
	-5	-5.6	167.98	61.51	166.44	60.94	154.11	56.95	149.49	56.38	141.78	55.81	138.70	55.24	
	-3	-3.7	179.18	64.87	177.54	64.27	164.39	60.06	159.46	59.46	151.24	58.86	147.95	58.26	
	0	-0.7	197.10	63.43	195.29	62.84	180.83	58.73	175.40	58.14	166.36	57.55	162.74	56.97	
	3	2.2	212.78	57.66	210.83	57.13	195.21	53.39	189.35	52.86	179.59	52.32	175.69	51.79	
	5	4.1	217.26	55.26	215.27	54.75	199.32	51.17	193.34	50.65	183.37	50.14	179.39	49.63	
	7	6	223.98	48.05	221.92	47.61	205.49	44.49	199.32	44.05	189.05	43.60	184.94	43.16	
	9	7.9	228.46	47.57	226.36	47.13	209.59	44.05	203.31	43.61	192.83	43.17	188.64	42.73	
	11	9.8	228.46	47.09	226.36	46.65	209.59	43.60	203.31	43.17	192.83	42.73	188.64	42.29	
	13	11.8	228.46	46.85	226.36	46.42	209.59	43.38	203.31	42.95	192.83	42.51	188.64	42.08	
	15	13.7	228.46	46.61	226.36	46.18	209.59	43.16	203.31	42.73	192.83	42.29	188.64	41.86	
19	14.2	230.55	46.37	226.36	45.94	209.59	42.93	203.31	42.51	192.83	42.08	188.64	41.65		
21	15	230.55	46.13	226.36	45.70	209.59	42.71	203.31	42.29	192.83	41.86	188.64	41.43		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT064S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	81.26	51.45	80.52	50.98	74.55	47.64	72.32	47.17	68.59	46.69	67.10	46.21	
	-18.80	-19.00	87.85	52.67	87.05	52.18	80.60	48.77	78.18	48.28	74.15	47.79	72.54	47.30	
	-14.7	-15	98.83	54.85	97.93	54.34	90.67	50.79	87.95	50.28	83.42	49.77	81.61	49.27	
	-12.6	-13	109.81	55.34	108.81	54.83	100.75	51.24	97.73	50.73	92.69	50.21	90.67	49.70	
	-10.5	-11	118.60	55.82	117.51	55.31	108.81	51.69	105.54	51.17	100.10	50.65	97.93	50.14	
	-9.5	-10	125.19	56.79	124.04	56.27	114.85	52.59	111.41	52.06	105.66	51.54	103.37	51.01	
	-8.5	-9.1	131.78	58.25	130.57	57.71	120.90	53.94	117.27	53.40	111.23	52.86	108.81	52.32	
	-7	-7.6	153.74	59.71	152.33	59.15	141.05	55.28	136.82	54.73	129.76	54.18	126.94	53.63	
	-5	-5.6	164.72	62.13	163.21	61.56	151.12	57.53	146.59	56.96	139.03	56.38	136.01	55.80	
	-3	-3.7	175.70	65.53	174.09	64.92	161.20	60.68	156.36	60.07	148.30	59.46	145.08	58.86	
	0	-0.7	193.27	64.08	191.50	63.48	177.32	59.33	172.00	58.74	163.13	58.14	159.58	57.55	
	3	2.2	208.65	58.25	206.73	57.71	191.42	53.94	185.68	53.40	176.11	52.86	172.28	52.32	
	5	4.1	213.04	55.82	211.09	55.31	195.45	51.69	189.59	51.17	179.81	50.65	175.91	50.14	
	7	6	219.63	48.54	217.61	48.09	201.50	44.95	195.45	44.50	185.38	44.05	181.35	43.60	
	9	7.9	224.02	48.06	221.97	47.61	205.52	44.50	199.36	44.05	189.08	43.61	184.97	43.16	
	11	9.8	224.02	47.57	221.97	47.13	205.52	44.05	199.36	43.61	189.08	43.17	184.97	42.73	
	13	11.8	224.02	47.33	221.97	46.89	205.52	43.82	199.36	43.38	189.08	42.95	184.97	42.51	
	15	13.7	224.02	47.09	221.97	46.65	205.52	43.60	199.36	43.16	189.08	42.73	184.97	42.29	
19	14.2	226.08	46.84	221.97	46.41	205.52	43.37	199.36	42.94	189.08	42.51	184.97	42.07		
21	15	226.08	46.60	221.97	46.17	205.52	43.15	199.36	42.72	189.08	42.29	184.97	41.85		
100%	-22.90	-23.00	80.46	51.97	79.72	51.49	73.82	48.12	71.60	47.64	67.91	47.16	66.43	46.68	
	-18.80	-19.00	86.98	53.20	86.18	52.71	79.80	49.26	77.41	48.77	73.42	48.27	71.82	47.78	
	-14.7	-15	97.85	55.41	96.96	54.89	89.78	51.30	87.08	50.79	82.59	50.28	80.80	49.76	
	-12.6	-13	108.73	55.90	107.73	55.38	99.75	51.76	96.76	51.24	91.77	50.72	89.78	50.20	
	-10.5	-11	117.43	56.39	116.35	55.86	107.73	52.21	104.50	51.69	99.11	51.17	96.96	50.64	
	-9.5	-10	123.95	57.37	122.81	56.84	113.72	53.12	110.30	52.59	104.62	52.06	102.34	51.52	
	-8.5	-9.1	130.47	58.84	129.28	58.29	119.70	54.48	116.11	53.94	110.12	53.39	107.73	52.85	
	-7	-7.6	152.22	60.31	150.82	59.75	139.65	55.84	135.46	55.28	128.48	54.73	125.69	54.17	
	-5	-5.6	163.09	62.76	161.60	62.18	149.63	58.11	145.14	57.53	137.66	56.95	134.66	56.37	
	-3	-3.7	173.96	66.19	172.37	65.58	159.60	61.29	154.81	60.68	146.83	60.06	143.64	59.45	
	0	-0.7	191.36	64.72	189.60	64.12	175.56	59.93	170.29	59.33	161.52	58.73	158.00	58.13	
	3	2.2	206.58	58.84	204.69	58.29	189.53	54.48	183.84	53.94	174.36	53.39	170.57	52.85	
	5	4.1	210.93	56.39	209.00	55.86	193.52	52.21	187.71	51.69	178.03	51.17	174.16	50.64	
	7	6	217.46	49.03	215.46	48.58	199.50	45.40	193.52	44.95	183.54	44.49	179.55	44.04	
	9	7.9	221.80	48.54	219.77	48.09	203.49	44.95	197.39	44.50	187.21	44.05	183.14	43.60	
	11	9.8	221.80	48.05	219.77	47.61	203.49	44.49	197.39	44.05	187.21	43.60	183.14	43.16	
	13	11.8	221.80	47.81	219.77	47.36	203.49	44.27	197.39	43.82	187.21	43.38	183.14	42.94	
	15	13.7	221.80	47.56	219.77	47.12	203.49	44.04	197.39	43.60	187.21	43.16	183.14	42.72	
19	14.2	223.84	47.32	219.77	46.88	203.49	43.81	197.39	43.37	187.21	42.93	183.14	42.50		
21	15	223.84	47.07	219.77	46.63	203.49	43.58	197.39	43.15	187.21	42.71	183.14	42.28		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT064S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
90%	-22.90	-23.00	74.02	47.30	73.34	46.86	67.91	43.79	65.87	43.35	62.48	42.92	61.12	42.48	
	-18.80	-19.00	80.02	48.41	79.29	47.96	73.42	44.83	71.21	44.38	67.54	43.93	66.07	43.48	
	-14.7	-15	90.03	50.42	89.20	49.95	82.59	46.68	80.12	46.22	75.99	45.75	74.33	45.28	
	-12.6	-13	100.03	50.87	99.11	50.39	91.77	47.10	89.02	46.63	84.43	46.16	82.59	45.69	
	-10.5	-11	108.03	51.31	107.04	50.84	99.11	47.51	96.14	47.04	91.18	46.56	89.20	46.09	
	-9.5	-10	114.03	52.20	112.99	51.72	104.62	48.34	101.48	47.85	96.25	47.37	94.16	46.89	
	-8.5	-9.1	120.04	53.54	118.93	53.05	110.12	49.58	106.82	49.08	101.31	48.59	99.11	48.09	
	-7	-7.6	140.04	54.88	138.76	54.37	128.48	50.82	124.62	50.31	118.20	49.80	115.63	49.29	
	-5	-5.6	150.04	57.11	148.67	56.58	137.66	52.88	133.53	52.35	126.64	51.82	123.89	51.30	
	-3	-3.7	160.05	60.24	158.58	59.68	146.83	55.77	142.43	55.22	135.09	54.66	132.15	54.10	
	0	-0.7	176.05	58.90	174.44	58.35	161.52	54.53	156.67	53.99	148.59	53.44	145.36	52.90	
	3	2.2	190.06	53.54	188.31	53.05	174.36	49.58	169.13	49.08	160.41	48.59	156.93	48.09	
	5	4.1	194.06	51.31	192.28	50.84	178.03	47.51	172.69	47.04	163.79	46.56	160.23	46.09	
	7	6	200.06	44.62	198.22	44.21	183.54	41.31	178.03	40.90	168.86	40.49	165.19	40.07	
	9	7.9	204.06	44.17	202.19	43.76	187.21	40.90	181.59	40.49	172.23	40.08	168.49	39.67	
	11	9.8	204.06	43.73	202.19	43.32	187.21	40.49	181.59	40.08	172.23	39.68	168.49	39.27	
	13	11.8	204.06	43.50	202.19	43.10	187.21	40.28	181.59	39.88	172.23	39.48	168.49	39.07	
	15	13.7	204.06	43.28	202.19	42.88	187.21	40.07	181.59	39.67	172.23	39.27	168.49	38.87	
19	14.2	205.93	43.06	202.19	42.66	187.21	39.87	181.59	39.47	172.23	39.07	168.49	38.67		
21	15	205.93	42.83	202.19	42.44	187.21	39.66	181.59	39.26	172.23	38.87	168.49	38.47		
80%	-22.90	-23.00	65.17	38.31	64.57	37.96	59.79	35.47	58.00	35.12	55.01	34.76	53.81	34.41	
	-18.80	-19.00	70.46	39.21	69.81	38.85	64.64	36.31	62.70	35.95	59.47	35.58	58.17	35.22	
	-14.7	-15	79.26	40.84	78.54	40.46	72.72	37.81	70.54	37.44	66.90	37.06	65.45	36.68	
	-12.6	-13	88.07	41.20	87.26	40.82	80.80	38.15	78.37	37.77	74.33	37.39	72.72	37.00	
	-10.5	-11	95.11	41.56	94.24	41.18	87.26	38.48	84.64	38.10	80.28	37.71	78.54	37.33	
	-9.5	-10	100.40	42.29	99.48	41.89	92.11	39.15	89.35	38.76	84.74	38.37	82.90	37.98	
	-8.5	-9.1	105.68	43.37	104.71	42.97	96.96	40.16	94.05	39.76	89.20	39.35	87.26	38.95	
	-7	-7.6	123.30	44.45	122.17	44.04	113.12	41.16	109.72	40.75	104.07	40.34	101.80	39.93	
	-5	-5.6	132.10	46.26	130.89	45.83	121.20	42.83	117.56	42.41	111.50	41.98	109.08	41.55	
	-3	-3.7	140.91	48.79	139.62	48.34	129.28	45.18	125.40	44.73	118.93	44.27	116.35	43.82	
	0	-0.7	155.00	47.71	153.58	47.27	142.20	44.17	137.94	43.73	130.83	43.29	127.98	42.85	
	3	2.2	167.33	43.37	165.80	42.97	153.52	40.16	148.91	39.76	141.23	39.35	138.16	38.95	
	5	4.1	170.85	41.56	169.29	41.18	156.75	38.48	152.04	38.10	144.21	37.71	141.07	37.33	
	7	6	176.14	36.14	174.52	35.81	161.60	33.46	156.75	33.13	148.67	32.80	145.44	32.46	
	9	7.9	179.66	35.78	178.01	35.45	164.83	33.13	159.88	32.80	151.64	32.47	148.34	32.14	
	11	9.8	179.66	35.42	178.01	35.09	164.83	32.80	159.88	32.47	151.64	32.14	148.34	31.81	
	13	11.8	179.66	35.24	178.01	34.91	164.83	32.63	159.88	32.30	151.64	31.98	148.34	31.65	
	15	13.7	179.66	35.06	178.01	34.73	164.83	32.46	159.88	32.14	151.64	31.81	148.34	31.49	
19	14.2	181.31	34.88	178.01	34.55	164.83	32.29	159.88	31.97	151.64	31.65	148.34	31.32		
21	15	181.31	34.70	178.01	34.37	164.83	32.13	159.88	31.80	151.64	31.48	148.34	31.16		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT064S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	56.32	36.38	55.80	36.04	51.67	33.69	50.12	33.35	47.54	33.01	46.50	32.68	
	-18.80	-19.00	60.89	37.24	60.33	36.89	55.86	34.48	54.18	34.14	51.39	33.79	50.27	33.45	
	-14.7	-15	68.50	38.78	67.87	38.43	62.84	35.91	60.96	35.55	57.82	35.19	56.56	34.83	
	-12.6	-13	76.11	39.13	75.41	38.77	69.83	36.23	67.73	35.87	64.24	35.50	62.84	35.14	
	-10.5	-11	82.20	39.47	81.44	39.11	75.41	36.55	73.15	36.18	69.38	35.82	67.87	35.45	
	-9.5	-10	86.76	40.16	85.97	39.79	79.60	37.18	77.21	36.81	73.23	36.44	71.64	36.07	
	-8.5	-9.1	91.33	41.19	90.49	40.81	83.79	38.14	81.28	37.75	77.09	37.37	75.41	36.99	
	-7	-7.6	106.55	42.22	105.58	41.83	97.76	39.09	94.82	38.70	89.93	38.31	87.98	37.92	
	-5	-5.6	114.16	43.93	113.12	43.53	104.74	40.68	101.60	40.27	96.36	39.86	94.26	39.46	
	-3	-3.7	121.77	46.34	120.66	45.91	111.72	42.90	108.37	42.47	102.78	42.04	100.55	41.62	
	0	-0.7	133.95	45.31	132.72	44.89	122.89	41.95	119.21	41.53	113.06	41.11	110.60	40.69	
	3	2.2	144.61	41.19	143.28	40.81	132.67	38.14	128.69	37.75	122.05	37.37	119.40	36.99	
	5	4.1	147.65	39.47	146.30	39.11	135.46	36.55	131.40	36.18	124.62	35.82	121.91	35.45	
	7	6	152.22	34.32	150.82	34.00	139.65	31.78	135.46	31.46	128.48	31.14	125.69	30.83	
	9	7.9	155.26	33.98	153.84	33.66	142.44	31.46	138.17	31.15	131.05	30.83	128.20	30.52	
	11	9.8	155.26	33.64	153.84	33.32	142.44	31.14	138.17	30.83	131.05	30.52	128.20	30.21	
	13	11.8	155.26	33.46	153.84	33.15	142.44	30.99	138.17	30.68	131.05	30.37	128.20	30.06	
	15	13.7	155.26	33.29	153.84	32.98	142.44	30.83	138.17	30.52	131.05	30.21	128.20	29.90	
19	14.2	156.69	33.12	153.84	32.81	142.44	30.67	138.17	30.36	131.05	30.05	128.20	29.75		
21	15	156.69	32.95	153.84	32.64	142.44	30.51	138.17	30.20	131.05	29.90	128.20	29.59		
60%	-22.90	-23.00	50.69	32.22	50.22	31.93	46.50	29.84	45.11	29.54	42.78	29.24	41.85	28.94	
	-18.80	-19.00	54.80	32.98	54.30	32.68	50.27	30.54	48.77	30.24	46.25	29.93	45.25	29.62	
	-14.7	-15	61.65	34.35	61.08	34.03	56.56	31.81	54.86	31.49	52.03	31.17	50.90	30.85	
	-12.6	-13	68.50	34.66	67.87	34.33	62.84	32.09	60.96	31.77	57.82	31.45	56.56	31.13	
	-10.5	-11	73.98	34.96	73.30	34.64	67.87	32.37	65.83	32.05	62.44	31.72	61.08	31.40	
	-9.5	-10	78.09	35.57	77.37	35.24	71.64	32.93	69.49	32.60	65.91	32.27	64.48	31.95	
	-8.5	-9.1	82.20	36.48	81.44	36.14	75.41	33.78	73.15	33.44	69.38	33.10	67.87	32.76	
	-7	-7.6	95.90	37.39	95.02	37.05	87.98	34.62	85.34	34.28	80.94	33.93	79.18	33.58	
	-5	-5.6	102.75	38.91	101.80	38.55	94.26	36.03	91.44	35.67	86.72	35.31	84.84	34.95	
	-3	-3.7	109.60	41.04	108.59	40.66	100.55	38.00	97.53	37.62	92.50	37.24	90.49	36.86	
	0	-0.7	120.56	40.13	119.45	39.76	110.60	37.16	107.28	36.78	101.75	36.41	99.54	36.04	
	3	2.2	130.15	36.48	128.95	36.14	119.40	33.78	115.82	33.44	109.85	33.10	107.46	32.76	
	5	4.1	132.89	34.96	131.67	34.64	121.91	32.37	118.26	32.05	112.16	31.72	109.72	31.40	
	7	6	137.00	30.40	135.74	30.12	125.69	28.15	121.91	27.87	115.63	27.59	113.12	27.30	
	9	7.9	139.74	30.10	138.45	29.82	128.20	27.87	124.35	27.59	117.94	27.31	115.38	27.03	
	11	9.8	139.74	29.79	138.45	29.52	128.20	27.59	124.35	27.31	117.94	27.03	115.38	26.76	
	13	11.8	139.74	29.64	138.45	29.37	128.20	27.44	124.35	27.17	117.94	26.90	115.38	26.62	
	15	13.7	139.74	29.49	138.45	29.21	128.20	27.30	124.35	27.03	117.94	26.76	115.38	26.48	
19	14.2	141.02	29.34	138.45	29.06	128.20	27.16	124.35	26.89	117.94	26.62	115.38	26.35		
21	15	141.02	29.18	138.45	28.91	128.20	27.02	124.35	26.75	117.94	26.48	115.38	26.21		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT064S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	43.45	33.78	43.05	33.47	39.86	31.28	38.66	30.97	36.67	30.65	35.87	30.34	
	-18.80	-19.00	46.97	34.58	46.54	34.26	43.09	32.02	41.80	31.70	39.64	31.38	38.78	31.06	
	-14.7	-15	52.84	36.01	52.36	35.68	48.48	33.35	47.02	33.01	44.60	32.68	43.63	32.35	
	-12.6	-13	58.71	36.33	58.17	36.00	53.87	33.64	52.25	33.30	49.56	32.97	48.48	32.63	
	-10.5	-11	63.41	36.65	62.83	36.31	58.17	33.94	56.43	33.60	53.52	33.26	52.36	32.92	
	-9.5	-10	66.93	37.29	66.32	36.94	61.41	34.53	59.56	34.18	56.49	33.84	55.27	33.49	
	-8.5	-9.1	70.46	38.24	69.81	37.89	64.64	35.41	62.70	35.06	59.47	34.70	58.17	34.35	
	-7	-7.6	82.20	39.20	81.44	38.84	75.41	36.30	73.15	35.93	69.38	35.57	67.87	35.21	
	-5	-5.6	88.07	40.79	87.26	40.42	80.80	37.77	78.37	37.40	74.33	37.02	72.72	36.64	
	-3	-3.7	93.94	43.03	93.08	42.63	86.18	39.84	83.60	39.44	79.29	39.04	77.57	38.64	
	0	-0.7	103.33	42.07	102.39	41.68	94.80	38.95	91.96	38.56	87.22	38.17	85.32	37.78	
	3	2.2	111.55	38.24	110.53	37.89	102.34	35.41	99.27	35.06	94.16	34.70	92.11	34.35	
	5	4.1	113.90	36.65	112.86	36.31	104.50	33.94	101.36	33.60	96.14	33.26	94.05	32.92	
	7	6	117.43	31.87	116.35	31.58	107.73	29.51	104.50	29.21	99.11	28.92	96.96	28.62	
	9	7.9	119.77	31.55	118.68	31.26	109.88	29.21	106.59	28.92	101.09	28.63	98.90	28.34	
	11	9.8	119.77	31.23	118.68	30.94	109.88	28.92	106.59	28.63	101.09	28.34	98.90	28.05	
	13	11.8	119.77	31.07	118.68	30.79	109.88	28.77	106.59	28.48	101.09	28.20	98.90	27.91	
15	13.7	119.77	30.91	118.68	30.63	109.88	28.62	106.59	28.34	101.09	28.05	98.90	27.77		
19	14.2	120.87	30.76	118.68	30.47	109.88	28.48	106.59	28.19	101.09	27.91	98.90	27.62		
21	15	120.87	30.60	118.68	30.31	109.88	28.33	106.59	28.05	101.09	27.76	98.90	27.48		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT066S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	
130%	-22.90	-23.00	86.82	51.30	86.03	50.83	79.65	47.50	77.26	47.03	73.28	46.55	71.69	46.08	
	-18.80	-19.00	93.86	52.51	93.00	52.03	86.11	48.62	83.53	48.14	79.22	47.65	77.50	47.16	
	-14.7	-15	105.59	54.69	104.63	54.18	96.88	50.64	93.97	50.13	89.13	49.63	87.19	49.12	
	-12.6	-13	117.33	55.17	116.25	54.66	107.64	51.09	104.41	50.58	99.03	50.07	96.88	49.56	
	-10.5	-11	126.71	55.66	125.55	55.14	116.25	51.54	112.76	51.02	106.95	50.51	104.63	49.99	
	-9.5	-10	133.75	56.63	132.53	56.10	122.71	52.43	119.03	51.91	112.89	51.38	110.44	50.86	
	-8.5	-9.1	140.79	58.08	139.50	57.54	129.17	53.78	125.29	53.24	118.83	52.70	116.25	52.16	
	-7	-7.6	164.26	59.53	162.75	58.98	150.70	55.12	146.18	54.57	138.64	54.02	135.63	53.47	
	-5	-5.6	175.99	61.95	174.38	61.38	161.46	57.36	156.62	56.79	148.54	56.21	145.31	55.64	
	-3	-3.7	187.72	65.34	186.00	64.73	172.22	60.50	167.06	59.89	158.45	59.29	155.00	58.68	
	0	-0.7	206.50	63.89	204.60	63.30	189.45	59.15	183.76	58.56	174.29	57.97	170.50	57.38	
	3	2.2	222.92	58.08	220.88	57.54	204.52	53.78	198.38	53.24	188.15	52.70	184.06	52.16	
	5	4.1	227.62	55.66	225.53	55.14	208.82	51.54	202.56	51.02	192.12	50.51	187.94	49.99	
	7	6	234.66	48.40	232.50	47.95	215.28	44.81	208.82	44.37	198.06	43.92	193.75	43.47	
	9	7.9	239.35	47.92	237.15	47.47	219.59	44.37	213.00	43.92	202.02	43.48	197.63	43.03	
	11	9.8	239.35	47.43	237.15	46.99	219.59	43.92	213.00	43.48	202.02	43.04	197.63	42.60	
	13	11.8	239.35	47.19	237.15	46.75	219.59	43.69	213.00	43.26	202.02	42.82	197.63	42.38	
	15	13.7	239.35	46.95	237.15	46.51	219.59	43.47	213.00	43.03	202.02	42.60	197.63	42.17	
19	14.2	241.54	46.71	237.15	46.27	219.59	43.25	213.00	42.81	202.02	42.38	197.63	41.95		
21	15	241.54	46.46	237.15	46.03	219.59	43.02	213.00	42.59	202.02	42.16	197.63	41.73		
120%	-22.90	-23.00	85.99	51.83	85.20	51.35	78.89	47.99	76.52	47.51	72.58	47.03	71.00	46.55	
	-18.80	-19.00	92.96	53.05	92.11	52.56	85.28	49.12	82.73	48.63	78.46	48.14	76.76	47.65	
	-14.7	-15	104.58	55.25	103.62	54.74	95.94	51.16	93.07	50.65	88.27	50.14	86.35	49.63	
	-12.6	-13	116.20	55.74	115.13	55.23	106.61	51.61	103.41	51.10	98.08	50.58	95.94	50.07	
	-10.5	-11	125.50	56.23	124.34	55.71	115.13	52.07	111.68	51.55	105.92	51.03	103.62	50.51	
	-9.5	-10	132.47	57.21	131.25	56.68	121.53	52.97	117.88	52.44	111.81	51.91	109.38	51.38	
	-8.5	-9.1	139.44	58.68	138.16	58.13	127.93	54.33	124.09	53.79	117.69	53.24	115.13	52.70	
	-7	-7.6	162.68	60.14	161.19	59.59	149.25	55.69	144.77	55.13	137.31	54.58	134.32	54.02	
	-5	-5.6	174.30	62.59	172.70	62.01	159.91	57.95	155.11	57.37	147.11	56.79	143.92	56.21	
	-3	-3.7	185.92	66.01	184.21	65.40	170.57	61.12	165.45	60.51	156.92	59.90	153.51	59.29	
	0	-0.7	204.51	64.55	202.63	63.95	187.62	59.76	182.00	59.17	172.61	58.57	168.86	57.97	
	3	2.2	220.78	58.68	218.75	58.13	202.55	54.33	196.47	53.79	186.35	53.24	182.29	52.70	
	5	4.1	225.43	56.23	223.36	55.71	206.81	52.07	200.61	51.55	190.27	51.03	186.13	50.51	
	7	6	232.40	48.90	230.27	48.45	213.21	45.28	206.81	44.82	196.15	44.37	191.89	43.92	
	9	7.9	237.05	48.41	234.87	47.96	217.47	44.82	210.95	44.38	200.08	43.93	195.73	43.48	
	11	9.8	237.05	47.92	234.87	47.48	217.47	44.37	210.95	43.93	200.08	43.48	195.73	43.04	
	13	11.8	237.05	47.68	234.87	47.23	217.47	44.14	210.95	43.70	200.08	43.26	195.73	42.82	
	15	13.7	237.05	47.43	234.87	46.99	217.47	43.92	210.95	43.48	200.08	43.04	195.73	42.60	
19	14.2	239.22	47.19	234.87	46.75	217.47	43.69	210.95	43.25	200.08	42.82	195.73	42.38		
21	15	239.22	46.94	234.87	46.51	217.47	43.46	210.95	43.03	200.08	42.60	195.73	42.16		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT066S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	84.32	52.36	83.54	51.88	77.36	48.48	75.04	48.00	71.17	47.51	69.62	47.03	
	-18.80	-19.00	91.15	53.60	90.32	53.10	83.63	49.63	81.12	49.13	76.94	48.63	75.27	48.14	
	-14.7	-15	102.55	55.82	101.61	55.30	94.08	51.68	91.26	51.17	86.55	50.65	84.67	50.13	
	-12.6	-13	113.94	56.31	112.90	55.79	104.54	52.14	101.40	51.62	96.17	51.10	94.08	50.58	
	-10.5	-11	123.06	56.81	121.93	56.28	112.90	52.60	109.51	52.07	103.87	51.55	101.61	51.02	
	-9.5	-10	129.90	57.79	128.70	57.26	119.17	53.51	115.59	52.98	109.64	52.44	107.25	51.91	
	-8.5	-9.1	136.73	59.28	135.48	58.73	125.44	54.89	121.68	54.34	115.41	53.79	112.90	53.24	
	-7	-7.6	159.52	60.76	158.06	60.20	146.35	56.26	141.96	55.70	134.64	55.13	131.71	54.57	
	-5	-5.6	170.91	63.23	169.35	62.64	156.80	58.54	152.10	57.96	144.26	57.37	141.12	56.79	
	-3	-3.7	182.31	66.69	180.64	66.07	167.26	61.75	162.24	61.13	153.88	60.51	150.53	59.89	
	0	-0.7	200.54	65.20	198.70	64.60	183.98	60.37	178.46	59.77	169.26	59.17	165.58	58.56	
	3	2.2	216.49	59.28	214.51	58.73	198.62	54.89	192.66	54.34	182.73	53.79	178.75	53.24	
	5	4.1	221.05	56.81	219.02	56.28	202.80	52.60	196.71	52.07	186.57	51.55	182.52	51.02	
	7	6	227.89	49.40	225.80	48.94	209.07	45.74	202.80	45.28	192.34	44.82	188.16	44.37	
	9	7.9	232.44	48.90	230.31	48.45	213.25	45.28	206.85	44.83	196.19	44.38	191.93	43.92	
	11	9.8	232.44	48.41	230.31	47.96	213.25	44.82	206.85	44.38	196.19	43.93	191.93	43.48	
	13	11.8	232.44	48.16	230.31	47.72	213.25	44.59	206.85	44.15	196.19	43.70	191.93	43.26	
	15	13.7	232.44	47.92	230.31	47.47	213.25	44.37	206.85	43.92	196.19	43.48	191.93	43.03	
19	14.2	234.58	47.67	230.31	47.23	213.25	44.14	206.85	43.70	196.19	43.25	191.93	42.81		
21	15	234.58	47.42	230.31	46.98	213.25	43.91	206.85	43.47	196.19	43.03	191.93	42.59		
100%	-22.90	-23.00	83.48	52.89	82.72	52.40	76.59	48.97	74.29	48.48	70.46	47.99	68.93	47.50	
	-18.80	-19.00	90.25	54.14	89.42	53.64	82.80	50.13	80.32	49.63	76.18	49.12	74.52	48.62	
	-14.7	-15	101.53	56.38	100.60	55.86	93.15	52.21	90.36	51.68	85.70	51.16	83.84	50.64	
	-12.6	-13	112.82	56.88	111.78	56.35	103.50	52.67	100.40	52.14	95.22	51.61	93.15	51.09	
	-10.5	-11	121.84	57.38	120.72	56.85	111.78	53.13	108.43	52.60	102.84	52.07	100.60	51.54	
	-9.5	-10	128.61	58.38	127.43	57.84	117.99	54.05	114.45	53.51	108.55	52.97	106.19	52.43	
	-8.5	-9.1	135.38	59.88	134.14	59.32	124.20	55.44	120.47	54.89	114.26	54.33	111.78	53.78	
	-7	-7.6	157.94	61.37	156.49	60.80	144.90	56.83	140.55	56.26	133.31	55.69	130.41	55.12	
	-5	-5.6	169.22	63.87	167.67	63.28	155.25	59.14	150.59	58.54	142.83	57.95	139.73	57.36	
	-3	-3.7	180.50	67.36	178.85	66.74	165.60	62.37	160.63	61.75	152.35	61.12	149.04	60.50	
	0	-0.7	198.55	65.86	196.73	65.25	182.16	60.98	176.70	60.37	167.59	59.76	163.94	59.15	
	3	2.2	214.35	59.88	212.38	59.32	196.65	55.44	190.75	54.89	180.92	54.33	176.99	53.78	
	5	4.1	218.86	57.38	216.85	56.85	200.79	53.13	194.77	52.60	184.73	52.07	180.71	51.54	
	7	6	225.63	49.90	223.56	49.43	207.00	46.20	200.79	45.74	190.44	45.28	186.30	44.81	
	9	7.9	230.14	49.40	228.03	48.94	211.14	45.74	204.81	45.28	194.25	44.82	190.03	44.37	
	11	9.8	230.14	48.90	228.03	48.45	211.14	45.28	204.81	44.82	194.25	44.37	190.03	43.92	
	13	11.8	230.14	48.65	228.03	48.20	211.14	45.05	204.81	44.59	194.25	44.14	190.03	43.69	
	15	13.7	230.14	48.40	228.03	47.95	211.14	44.81	204.81	44.37	194.25	43.92	190.03	43.47	
19	14.2	232.25	48.15	228.03	47.70	211.14	44.58	204.81	44.14	194.25	43.69	190.03	43.25		
21	15	232.25	47.90	228.03	47.46	211.14	44.35	204.81	43.91	194.25	43.46	190.03	43.02		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT066S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	76.80	48.13	76.10	47.68	70.46	44.56	68.35	44.12	64.83	43.67	63.42	43.23	
	-18.80	-19.00	83.03	49.26	82.27	48.81	76.18	45.62	73.89	45.16	70.08	44.70	68.56	44.25	
	-14.7	-15	93.41	51.31	92.55	50.83	85.70	47.51	83.13	47.03	78.84	46.56	77.13	46.08	
	-12.6	-13	103.79	51.76	102.84	51.28	95.22	47.93	92.36	47.45	87.60	46.97	85.70	46.49	
	-10.5	-11	112.09	52.22	111.06	51.73	102.84	48.35	99.75	47.86	94.61	47.38	92.55	46.90	
	-9.5	-10	118.32	53.12	117.23	52.63	108.55	49.19	105.29	48.70	99.87	48.21	97.70	47.71	
	-8.5	-9.1	124.55	54.49	123.41	53.98	114.26	50.45	110.84	49.95	105.12	49.44	102.84	48.94	
	-7	-7.6	145.31	55.85	143.97	55.33	133.31	51.71	129.31	51.19	122.64	50.68	119.98	50.16	
	-5	-5.6	155.68	58.12	154.26	57.58	142.83	53.81	138.55	53.28	131.40	52.74	128.55	52.20	
	-3	-3.7	166.06	61.30	164.54	60.73	152.35	56.76	147.78	56.19	140.16	55.62	137.12	55.05	
	0	-0.7	182.67	59.94	180.99	59.38	167.59	55.50	162.56	54.94	154.18	54.39	150.83	53.83	
	3	2.2	197.20	54.49	195.39	53.98	180.92	50.45	175.49	49.95	166.44	49.44	162.83	48.94	
	5	4.1	201.35	52.22	199.50	51.73	184.73	48.35	179.18	47.86	169.95	47.38	166.25	46.90	
	7	6	207.58	45.41	205.68	44.98	190.44	42.04	184.73	41.62	175.20	41.20	171.40	40.78	
	9	7.9	211.73	44.95	209.79	44.54	194.25	41.62	188.42	41.21	178.71	40.79	174.82	40.37	
	11	9.8	211.73	44.50	209.79	44.09	194.25	41.20	188.42	40.79	178.71	40.38	174.82	39.97	
	13	11.8	211.73	44.27	209.79	43.86	194.25	40.99	188.42	40.58	178.71	40.17	174.82	39.76	
	15	13.7	211.73	44.04	209.79	43.64	194.25	40.78	188.42	40.37	178.71	39.97	174.82	39.56	
	19	14.2	213.67	43.82	209.79	43.41	194.25	40.57	188.42	40.16	178.71	39.76	174.82	39.35	
	21	15	213.67	43.59	209.79	43.19	194.25	40.36	188.42	39.96	178.71	39.55	174.82	39.15	
80%	-22.90	-23.00	67.62	38.99	67.00	38.62	62.04	36.10	60.18	35.74	57.07	35.38	55.83	35.01	
	-18.80	-19.00	73.10	39.90	72.43	39.54	67.07	36.95	65.06	36.58	61.70	36.21	60.36	35.84	
	-14.7	-15	82.24	41.56	81.49	41.17	75.45	38.48	73.19	38.10	69.42	37.71	67.91	37.33	
	-12.6	-13	91.38	41.93	90.54	41.54	83.84	38.82	81.32	38.43	77.13	38.05	75.45	37.66	
	-10.5	-11	98.69	42.30	97.79	41.90	90.54	39.16	87.83	38.77	83.30	38.38	81.49	37.99	
	-9.5	-10	104.17	43.03	103.22	42.63	95.57	39.84	92.70	39.44	87.93	39.05	86.01	38.65	
	-8.5	-9.1	109.66	44.13	108.65	43.73	100.60	40.86	97.58	40.46	92.55	40.05	90.54	39.64	
	-7	-7.6	127.93	45.24	126.76	44.82	117.37	41.89	113.85	41.47	107.98	41.05	105.63	40.63	
	-5	-5.6	137.07	47.08	135.81	46.64	125.75	43.59	121.98	43.15	115.69	42.72	113.18	42.28	
	-3	-3.7	146.21	49.65	144.87	49.19	134.14	45.97	130.11	45.51	123.41	45.05	120.72	44.59	
	0	-0.7	160.83	48.55	159.35	48.10	147.55	44.95	143.12	44.50	135.75	44.05	132.79	43.60	
	3	2.2	173.62	44.13	172.03	43.73	159.29	40.86	154.51	40.46	146.54	40.05	143.36	39.64	
	5	4.1	177.28	42.30	175.65	41.90	162.64	39.16	157.76	38.77	149.63	38.38	146.38	37.99	
	7	6	182.76	36.78	181.08	36.44	167.67	34.05	162.64	33.71	154.26	33.37	150.90	33.03	
	9	7.9	186.42	36.41	184.71	36.07	171.02	33.71	165.89	33.38	157.34	33.04	153.92	32.70	
	11	9.8	186.42	36.04	184.71	35.71	171.02	33.37	165.89	33.04	157.34	32.71	153.92	32.37	
	13	11.8	186.42	35.86	184.71	35.53	171.02	33.20	165.89	32.87	157.34	32.54	153.92	32.21	
	15	13.7	186.42	35.67	184.71	35.34	171.02	33.03	165.89	32.70	157.34	32.37	153.92	32.04	
	19	14.2	188.13	35.49	184.71	35.16	171.02	32.86	165.89	32.53	157.34	32.20	153.92	31.88	
	21	15	188.13	35.31	184.71	34.98	171.02	32.69	165.89	32.36	157.34	32.04	153.92	31.71	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT066S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	58.44	37.02	57.90	36.68	53.61	34.28	52.00	33.94	49.32	33.59	48.25	33.25	
	-18.80	-19.00	63.18	37.90	62.60	37.55	57.96	35.09	56.22	34.74	53.32	34.39	52.16	34.04	
	-14.7	-15	71.07	39.47	70.42	39.10	65.21	36.54	63.25	36.18	59.99	35.81	58.68	35.45	
	-12.6	-13	78.97	39.82	78.25	39.45	72.45	36.87	70.28	36.50	66.65	36.13	65.21	35.76	
	-10.5	-11	85.29	40.17	84.51	39.79	78.25	37.19	75.90	36.82	71.99	36.45	70.42	36.08	
	-9.5	-10	90.03	40.86	89.20	40.49	82.59	37.84	80.12	37.46	75.99	37.08	74.33	36.70	
	-8.5	-9.1	94.76	41.91	93.90	41.52	86.94	38.81	84.33	38.42	79.98	38.03	78.25	37.64	
	-7	-7.6	110.56	42.96	109.54	42.56	101.43	39.78	98.39	39.38	93.32	38.98	91.29	38.58	
	-5	-5.6	118.46	44.71	117.37	44.29	108.68	41.40	105.41	40.98	99.98	40.57	97.81	40.15	
	-3	-3.7	126.35	47.15	125.19	46.72	115.92	43.66	112.44	43.22	106.65	42.79	104.33	42.35	
	0	-0.7	138.99	46.10	137.71	45.68	127.51	42.69	123.69	42.26	117.31	41.84	114.76	41.41	
	3	2.2	150.04	41.91	148.67	41.52	137.66	38.81	133.53	38.42	126.64	38.03	123.89	37.64	
	5	4.1	153.20	40.17	151.80	39.79	140.55	37.19	136.34	36.82	129.31	36.45	126.50	36.08	
	7	6	157.94	34.93	156.49	34.60	144.90	32.34	140.55	32.02	133.31	31.69	130.41	31.37	
	9	7.9	161.10	34.58	159.62	34.26	147.80	32.02	143.36	31.70	135.97	31.38	133.02	31.06	
	11	9.8	161.10	34.23	159.62	33.91	147.80	31.69	143.36	31.38	135.97	31.06	133.02	30.74	
	13	11.8	161.10	34.05	159.62	33.74	147.80	31.53	143.36	31.22	135.97	30.90	133.02	30.59	
	15	13.7	161.10	33.88	159.62	33.57	147.80	31.37	143.36	31.06	135.97	30.74	133.02	30.43	
19	14.2	162.58	33.70	159.62	33.39	147.80	31.21	143.36	30.90	135.97	30.58	133.02	30.27		
21	15	162.58	33.53	159.62	33.22	147.80	31.05	143.36	30.74	135.97	30.43	133.02	30.12		
60%	-22.90	-23.00	52.59	32.79	52.11	32.49	48.25	30.36	46.80	30.06	44.39	29.76	43.43	29.45	
	-18.80	-19.00	56.86	33.57	56.34	33.25	52.16	31.08	50.60	30.77	47.99	30.46	46.95	30.15	
	-14.7	-15	63.97	34.96	63.38	34.63	58.68	32.37	56.92	32.04	53.99	31.72	52.82	31.40	
	-12.6	-13	71.07	35.27	70.42	34.94	65.21	32.65	63.25	32.33	59.99	32.00	58.68	31.67	
	-10.5	-11	76.76	35.58	76.06	35.25	70.42	32.94	68.31	32.61	64.79	32.28	63.38	31.95	
	-9.5	-10	81.02	36.19	80.28	35.86	74.33	33.51	72.10	33.18	68.39	32.84	66.90	32.51	
	-8.5	-9.1	85.29	37.12	84.51	36.78	78.25	34.37	75.90	34.03	71.99	33.69	70.42	33.34	
	-7	-7.6	99.50	38.05	98.59	37.70	91.29	35.23	88.55	34.88	83.98	34.53	82.16	34.18	
	-5	-5.6	106.61	39.60	105.63	39.23	97.81	36.66	94.87	36.30	89.98	35.93	88.03	35.56	
	-3	-3.7	113.72	41.76	112.67	41.38	104.33	38.67	101.20	38.28	95.98	37.90	93.90	37.51	
	0	-0.7	125.09	40.83	123.94	40.46	114.76	37.81	111.32	37.43	105.58	37.05	103.28	36.68	
	3	2.2	135.04	37.12	133.80	36.78	123.89	34.37	120.17	34.03	113.98	33.69	111.50	33.34	
	5	4.1	137.88	35.58	136.62	35.25	126.50	32.94	122.70	32.61	116.38	32.28	113.85	31.95	
	7	6	142.15	30.94	140.84	30.65	130.41	28.64	126.50	28.36	119.98	28.07	117.37	27.78	
	9	7.9	144.99	30.63	143.66	30.34	133.02	28.36	129.03	28.07	122.38	27.79	119.72	27.51	
	11	9.8	144.99	30.32	143.66	30.04	133.02	28.07	129.03	27.79	122.38	27.51	119.72	27.23	
	13	11.8	144.99	30.16	143.66	29.88	133.02	27.93	129.03	27.65	122.38	27.37	119.72	27.09	
	15	13.7	144.99	30.01	143.66	29.73	133.02	27.78	129.03	27.51	122.38	27.23	119.72	26.95	
19	14.2	146.32	29.85	143.66	29.58	133.02	27.64	129.03	27.37	122.38	27.09	119.72	26.81		
21	15	146.32	29.70	143.66	29.42	133.02	27.50	129.03	27.22	122.38	26.95	119.72	26.67		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT066S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	45.08	34.38	44.67	34.06	41.36	31.83	40.12	31.51	38.05	31.20	37.22	30.88	
	-18.80	-19.00	48.74	35.19	48.29	34.86	44.71	32.58	43.37	32.26	41.14	31.93	40.24	31.61	
	-14.7	-15	54.83	36.65	54.33	36.31	50.30	33.93	48.79	33.59	46.28	33.26	45.27	32.92	
	-12.6	-13	60.92	36.97	60.36	36.63	55.89	34.23	54.21	33.89	51.42	33.55	50.30	33.21	
	-10.5	-11	65.79	37.30	65.19	36.95	60.36	34.53	58.55	34.19	55.53	33.84	54.33	33.50	
	-9.5	-10	69.45	37.95	68.81	37.59	63.71	35.14	61.80	34.78	58.62	34.43	57.34	34.08	
	-8.5	-9.1	73.10	38.92	72.43	38.56	67.07	36.04	65.06	35.68	61.70	35.32	60.36	34.95	
	-7	-7.6	85.29	39.89	84.51	39.52	78.25	36.94	75.90	36.57	71.99	36.20	70.42	35.83	
	-5	-5.6	91.38	41.51	90.54	41.13	83.84	38.44	81.32	38.05	77.13	37.67	75.45	37.29	
	-3	-3.7	97.47	43.78	96.58	43.38	89.42	40.54	86.74	40.14	82.27	39.73	80.48	39.32	
	0	-0.7	107.22	42.81	106.24	42.41	98.37	39.64	95.42	39.24	90.50	38.85	88.53	38.45	
	3	2.2	115.75	38.92	114.69	38.56	106.19	36.04	103.01	35.68	97.70	35.32	95.57	34.95	
	5	4.1	118.18	37.30	117.10	36.95	108.43	34.53	105.17	34.19	99.75	33.84	97.58	33.50	
	7	6	121.84	32.43	120.72	32.13	111.78	30.03	108.43	29.73	102.84	29.43	100.60	29.13	
	9	7.9	124.28	32.11	123.14	31.81	114.02	29.73	110.60	29.43	104.89	29.14	102.61	28.84	
	11	9.8	124.28	31.78	123.14	31.49	114.02	29.43	110.60	29.14	104.89	28.84	102.61	28.55	
	13	11.8	124.28	31.62	123.14	31.33	114.02	29.28	110.60	28.99	104.89	28.69	102.61	28.40	
15	13.7	124.28	31.46	123.14	31.17	114.02	29.13	110.60	28.84	104.89	28.55	102.61	28.26		
19	14.2	125.42	31.30	123.14	31.01	114.02	28.98	110.60	28.69	104.89	28.40	102.61	28.11		
21	15	125.42	31.14	123.14	30.85	114.02	28.83	110.60	28.54	104.89	28.25	102.61	27.96		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT068S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	88.50	52.86	87.69	52.37	81.19	48.94	78.76	48.45	74.70	47.96	73.07	47.47	
	-18.80	-19.00	95.68	54.10	94.80	53.60	87.78	50.10	85.14	49.60	80.75	49.09	79.00	48.59	
	-14.7	-15	107.64	56.35	106.65	55.83	98.75	52.17	95.79	51.65	90.85	51.13	88.87	50.61	
	-12.6	-13	119.59	56.85	118.50	56.32	109.72	52.64	106.43	52.11	100.94	51.58	98.75	51.06	
	-10.5	-11	129.16	57.35	127.98	56.81	118.50	53.10	114.94	52.57	109.02	52.04	106.65	51.50	
	-9.5	-10	136.34	58.34	135.09	57.80	125.08	54.02	121.33	53.48	115.07	52.94	112.57	52.40	
	-8.5	-9.1	143.51	59.84	142.20	59.28	131.66	55.41	127.71	54.85	121.13	54.30	118.50	53.74	
	-7	-7.6	167.43	61.33	165.90	60.77	153.61	56.79	149.00	56.22	141.32	55.66	138.25	55.09	
	-5	-5.6	179.39	63.83	177.75	63.24	164.58	59.10	159.64	58.51	151.41	57.92	148.12	57.33	
	-3	-3.7	191.35	67.32	189.60	66.70	175.55	62.33	170.29	61.71	161.51	61.09	158.00	60.46	
	0	-0.7	210.49	65.82	208.56	65.21	193.11	60.95	187.31	60.34	177.66	59.73	173.80	59.12	
	3	2.2	227.23	59.84	225.15	59.28	208.47	55.41	202.21	54.85	191.79	54.30	187.62	53.74	
	5	4.1	232.01	57.35	229.89	56.81	212.86	53.10	206.47	52.57	195.83	52.04	191.57	51.50	
	7	6	239.19	49.87	237.00	49.40	219.44	46.17	212.86	45.71	201.88	45.25	197.50	44.79	
	9	7.9	243.97	49.37	241.74	48.91	223.83	45.71	217.11	45.25	205.92	44.80	201.45	44.34	
	11	9.8	243.97	48.87	241.74	48.42	223.83	45.25	217.11	44.80	205.92	44.34	201.45	43.89	
	13	11.8	243.97	48.62	241.74	48.17	223.83	45.02	217.11	44.57	205.92	44.12	201.45	43.67	
	15	13.7	243.97	48.37	241.74	47.92	223.83	44.79	217.11	44.34	205.92	43.89	201.45	43.44	
19	14.2	246.21	48.12	241.74	47.67	223.83	44.56	217.11	44.11	205.92	43.66	201.45	43.22		
21	15	246.21	47.87	241.74	47.43	223.83	44.33	217.11	43.88	205.92	43.44	201.45	43.00		
120%	-22.90	-23.00	87.65	53.40	86.85	52.91	80.41	49.45	78.00	48.95	73.98	48.46	72.37	47.96	
	-18.80	-19.00	94.76	54.66	93.89	54.16	86.93	50.61	84.32	50.11	79.98	49.60	78.24	49.09	
	-14.7	-15	106.60	56.93	105.62	56.40	97.80	52.71	94.86	52.19	89.97	51.66	88.02	51.13	
	-12.6	-13	118.44	57.43	117.36	56.90	108.66	53.18	105.41	52.65	99.97	52.12	97.80	51.58	
	-10.5	-11	127.92	57.94	126.75	57.40	117.36	53.65	113.84	53.11	107.97	52.57	105.62	52.04	
	-9.5	-10	135.03	58.94	133.79	58.40	123.88	54.58	120.16	54.03	113.97	53.49	111.49	52.94	
	-8.5	-9.1	142.13	60.46	140.83	59.90	130.40	55.98	126.49	55.42	119.97	54.86	117.36	54.30	
	-7	-7.6	165.82	61.97	164.30	61.39	152.13	57.38	147.57	56.80	139.96	56.23	136.92	55.66	
	-5	-5.6	177.67	64.49	176.04	63.89	163.00	59.71	158.11	59.11	149.96	58.52	146.70	57.92	
	-3	-3.7	189.51	68.01	187.77	67.38	173.86	62.97	168.65	62.35	159.95	61.72	156.48	61.09	
	0	-0.7	208.46	66.50	206.55	65.89	191.25	61.58	185.51	60.96	175.95	60.34	172.13	59.73	
	3	2.2	225.05	60.46	222.98	59.90	206.46	55.98	200.27	55.42	189.95	54.86	185.82	54.30	
	5	4.1	229.78	57.94	227.67	57.40	210.81	53.65	204.49	53.11	193.95	52.57	189.73	52.04	
	7	6	236.89	50.38	234.72	49.91	217.33	46.65	210.81	46.18	199.94	45.72	195.60	45.25	
	9	7.9	241.63	49.88	239.41	49.41	221.68	46.18	215.03	45.72	203.94	45.26	199.51	44.80	
	11	9.8	241.63	49.37	239.41	48.92	221.68	45.72	215.03	45.26	203.94	44.80	199.51	44.34	
	13	11.8	241.63	49.12	239.41	48.67	221.68	45.48	215.03	45.03	203.94	44.57	199.51	44.12	
	15	13.7	241.63	48.87	239.41	48.42	221.68	45.25	215.03	44.80	203.94	44.34	199.51	43.89	
19	14.2	243.84	48.62	239.41	48.17	221.68	45.02	215.03	44.57	203.94	44.12	199.51	43.66		
21	15	243.84	48.36	239.41	47.92	221.68	44.78	215.03	44.33	203.94	43.89	199.51	43.44		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT068S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	85.95	53.95	85.16	53.45	78.85	49.95	76.49	49.45	72.54	48.95	70.97	48.45	
	-18.80	-19.00	92.92	55.22	92.06	54.71	85.24	51.13	82.69	50.62	78.42	50.11	76.72	49.60	
	-14.7	-15	104.53	57.51	103.57	56.98	95.90	53.25	93.02	52.72	88.23	52.19	86.31	51.65	
	-12.6	-13	116.14	58.02	115.08	57.48	106.55	53.72	103.36	53.18	98.03	52.65	95.90	52.11	
	-10.5	-11	125.44	58.53	124.29	57.99	115.08	54.19	111.63	53.65	105.87	53.11	103.57	52.57	
	-9.5	-10	132.41	59.55	131.19	58.99	121.47	55.14	117.83	54.58	111.75	54.03	109.33	53.48	
	-8.5	-9.1	139.37	61.07	138.10	60.51	127.87	56.55	124.03	55.98	117.64	55.42	115.08	54.85	
	-7	-7.6	162.60	62.60	161.11	62.02	149.18	57.96	144.70	57.38	137.24	56.80	134.26	56.22	
	-5	-5.6	174.22	65.14	172.62	64.54	159.83	60.32	155.04	59.72	147.05	59.11	143.85	58.51	
	-3	-3.7	185.83	68.71	184.13	68.07	170.49	63.62	165.37	62.98	156.85	62.35	153.44	61.71	
	0	-0.7	204.42	67.18	202.54	66.56	187.54	62.20	181.91	61.58	172.53	60.96	168.78	60.34	
	3	2.2	220.68	61.07	218.65	60.51	202.45	56.55	196.38	55.98	186.26	55.42	182.21	54.85	
	5	4.1	225.32	58.53	223.25	57.99	206.72	54.19	200.52	53.65	190.18	53.11	186.05	52.57	
	7	6	232.29	50.89	230.16	50.42	213.11	47.12	206.72	46.65	196.06	46.18	191.80	45.71	
	9	7.9	236.94	50.38	234.76	49.92	217.37	46.65	210.85	46.19	199.98	45.72	195.63	45.25	
	11	9.8	236.94	49.88	234.76	49.41	217.37	46.18	210.85	45.72	199.98	45.26	195.63	44.80	
	13	11.8	236.94	49.62	234.76	49.16	217.37	45.95	210.85	45.49	199.98	45.03	195.63	44.57	
	15	13.7	236.94	49.37	234.76	48.91	217.37	45.71	210.85	45.25	199.98	44.80	195.63	44.34	
19	14.2	239.11	49.11	234.76	48.66	217.37	45.47	210.85	45.02	199.98	44.57	195.63	44.11		
21	15	239.11	48.86	234.76	48.41	217.37	45.24	210.85	44.79	199.98	44.33	195.63	43.88		
100%	-22.90	-23.00	85.10	54.49	84.32	53.99	78.07	50.46	75.73	49.95	71.82	49.45	70.26	48.94	
	-18.80	-19.00	92.00	55.78	91.15	55.26	84.40	51.65	81.87	51.13	77.65	50.61	75.96	50.10	
	-14.7	-15	103.50	58.09	102.55	57.55	94.95	53.79	92.10	53.25	87.35	52.71	85.45	52.17	
	-12.6	-13	114.99	58.61	113.94	58.06	105.50	54.26	102.33	53.72	97.06	53.18	94.95	52.64	
	-10.5	-11	124.19	59.12	123.06	58.57	113.94	54.74	110.52	54.19	104.82	53.65	102.55	53.10	
	-9.5	-10	131.09	60.15	129.89	59.59	120.27	55.69	116.66	55.14	110.65	54.58	108.24	54.02	
	-8.5	-9.1	137.99	61.69	136.73	61.12	126.60	57.12	122.80	56.55	116.47	55.98	113.94	55.41	
	-7	-7.6	160.99	63.23	159.52	62.65	147.70	58.55	143.27	57.96	135.88	57.38	132.93	56.79	
	-5	-5.6	172.49	65.80	170.91	65.19	158.25	60.93	153.50	60.32	145.59	59.71	142.42	59.10	
	-3	-3.7	183.99	69.40	182.30	68.76	168.80	64.26	163.74	63.62	155.30	62.97	151.92	62.33	
	0	-0.7	202.39	67.86	200.53	67.23	185.68	62.83	180.11	62.20	170.83	61.58	167.11	60.95	
	3	2.2	218.49	61.69	216.49	61.12	200.45	57.12	194.44	56.55	184.41	55.98	180.40	55.41	
	5	4.1	223.09	59.12	221.04	58.57	204.67	54.74	198.53	54.19	188.30	53.65	184.20	53.10	
	7	6	229.99	51.41	227.88	50.93	211.00	47.60	204.67	47.12	194.12	46.65	189.90	46.17	
	9	7.9	234.59	50.89	232.44	50.42	215.22	47.12	208.76	46.65	198.00	46.18	193.70	45.71	
	11	9.8	234.59	50.38	232.44	49.91	215.22	46.65	208.76	46.18	198.00	45.72	193.70	45.25	
	13	11.8	234.59	50.12	232.44	49.66	215.22	46.41	208.76	45.95	198.00	45.48	193.70	45.02	
	15	13.7	234.59	49.87	232.44	49.40	215.22	46.17	208.76	45.71	198.00	45.25	193.70	44.79	
19	14.2	236.74	49.61	232.44	49.15	215.22	45.93	208.76	45.47	198.00	45.02	193.70	44.56		
21	15	236.74	49.35	232.44	48.89	215.22	45.70	208.76	45.24	198.00	44.78	193.70	44.33		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT068S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-22.90	-23.00	78.29	49.59	77.57	49.13	71.82	45.91	69.67	45.46	66.08	45.00	64.64	44.54	
	-18.80	-19.00	84.64	50.76	83.86	50.29	77.65	47.00	75.32	46.53	71.44	46.06	69.88	45.59	
	-14.7	-15	95.22	52.86	94.34	52.37	87.35	48.95	84.73	48.46	80.37	47.97	78.62	47.48	
	-12.6	-13	105.80	53.33	104.82	52.84	97.06	49.38	94.15	48.89	89.30	48.39	87.35	47.90	
	-10.5	-11	114.26	53.80	113.21	53.30	104.82	49.81	101.68	49.32	96.44	48.82	94.34	48.32	
	-9.5	-10	120.61	54.73	119.50	54.23	110.65	50.68	107.33	50.17	101.80	49.67	99.58	49.16	
	-8.5	-9.1	126.95	56.14	125.79	55.62	116.47	51.98	112.98	51.46	107.15	50.94	104.82	50.42	
	-7	-7.6	148.11	57.54	146.75	57.01	135.88	53.28	131.81	52.75	125.01	52.21	122.30	51.68	
	-5	-5.6	158.69	59.88	157.24	59.33	145.59	55.44	141.22	54.89	133.94	54.34	131.03	53.78	
	-3	-3.7	169.27	63.15	167.72	62.57	155.30	58.48	150.64	57.89	142.87	57.31	139.77	56.72	
	0	-0.7	186.20	61.75	184.49	61.18	170.83	57.18	165.70	56.61	157.16	56.03	153.74	55.46	
	3	2.2	201.01	56.14	199.17	55.62	184.41	51.98	178.88	51.46	169.66	50.94	165.97	50.42	
	5	4.1	205.24	53.80	203.36	53.30	188.30	49.81	182.65	49.32	173.23	48.82	169.47	48.32	
	7	6	211.59	46.78	209.65	46.35	194.12	43.32	188.30	42.88	178.59	42.45	174.71	42.02	
	9	7.9	215.82	46.31	213.84	45.88	198.00	42.88	192.06	42.45	182.16	42.03	178.20	41.60	
	11	9.8	215.82	45.85	213.84	45.42	198.00	42.45	192.06	42.03	182.16	41.60	178.20	41.18	
	13	11.8	215.82	45.61	213.84	45.19	198.00	42.23	192.06	41.81	182.16	41.39	178.20	40.97	
	15	13.7	215.82	45.38	213.84	44.96	198.00	42.02	192.06	41.60	182.16	41.18	178.20	40.76	
19	14.2	217.80	45.14	213.84	44.73	198.00	41.80	192.06	41.38	182.16	40.96	178.20	40.55		
21	15	217.80	44.91	213.84	44.49	198.00	41.58	192.06	41.17	182.16	40.75	178.20	40.34		
80%	-22.90	-23.00	68.93	40.17	68.30	39.79	63.24	37.19	61.34	36.82	58.18	36.45	56.91	36.08	
	-18.80	-19.00	74.52	41.11	73.83	40.73	68.36	38.07	66.31	37.69	62.89	37.31	61.53	36.93	
	-14.7	-15	83.83	42.82	83.06	42.42	76.91	39.65	74.60	39.25	70.76	38.85	69.22	38.46	
	-12.6	-13	93.15	43.20	92.29	42.80	85.45	40.00	82.89	39.60	78.62	39.20	76.91	38.80	
	-10.5	-11	100.60	43.58	99.67	43.17	92.29	40.35	89.52	39.95	84.91	39.54	83.06	39.14	
	-9.5	-10	106.19	44.33	105.21	43.92	97.42	41.05	94.50	40.64	89.63	40.23	87.68	39.82	
	-8.5	-9.1	111.78	45.47	110.75	45.05	102.55	42.10	99.47	41.68	94.34	41.26	92.29	40.84	
	-7	-7.6	130.40	46.61	129.21	46.18	119.64	43.16	116.05	42.72	110.07	42.29	107.67	41.86	
	-5	-5.6	139.72	48.50	138.44	48.05	128.18	44.91	124.34	44.46	117.93	44.01	115.36	43.56	
	-3	-3.7	149.03	51.16	147.67	50.68	136.73	47.37	132.63	46.89	125.79	46.42	123.06	45.95	
	0	-0.7	163.94	50.02	162.43	49.56	150.40	46.31	145.89	45.85	138.37	45.39	135.36	44.92	
	3	2.2	176.98	45.47	175.35	45.05	162.36	42.10	157.49	41.68	149.38	41.26	146.13	40.84	
	5	4.1	180.70	43.58	179.05	43.17	165.78	40.35	160.81	39.95	152.52	39.54	149.20	39.14	
	7	6	186.29	37.89	184.58	37.54	170.91	35.09	165.78	34.74	157.24	34.38	153.82	34.03	
	9	7.9	190.02	37.51	188.27	37.17	174.33	34.74	169.10	34.39	160.38	34.04	156.90	33.69	
	11	9.8	190.02	37.13	188.27	36.79	174.33	34.38	169.10	34.04	160.38	33.70	156.90	33.35	
	13	11.8	190.02	36.95	188.27	36.60	174.33	34.21	169.10	33.87	160.38	33.52	156.90	33.18	
	15	13.7	190.02	36.76	188.27	36.42	174.33	34.03	169.10	33.69	160.38	33.35	156.90	33.01	
19	14.2	191.76	36.57	188.27	36.23	174.33	33.86	169.10	33.52	160.38	33.18	156.90	32.84		
21	15	191.76	36.38	188.27	36.04	174.33	33.68	169.10	33.35	160.38	33.01	156.90	32.67		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT068S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	59.57	38.14	59.02	37.79	54.65	35.32	53.01	34.97	50.28	34.61	49.18	34.26	
	-18.80	-19.00	64.40	39.04	63.81	38.68	59.08	36.15	57.31	35.79	54.35	35.43	53.17	35.07	
	-14.7	-15	72.45	40.66	71.78	40.29	66.46	37.65	64.47	37.28	61.15	36.90	59.82	36.52	
	-12.6	-13	80.50	41.02	79.76	40.64	73.85	37.98	71.63	37.60	67.94	37.23	66.46	36.85	
	-10.5	-11	86.94	41.38	86.14	41.00	79.76	38.32	77.37	37.93	73.38	37.55	71.78	37.17	
	-9.5	-10	91.77	42.10	90.92	41.71	84.19	38.98	81.66	38.59	77.45	38.20	75.77	37.81	
	-8.5	-9.1	96.60	43.18	95.71	42.78	88.62	39.98	85.96	39.58	81.53	39.18	79.76	38.78	
	-7	-7.6	112.70	44.26	111.66	43.85	103.39	40.98	100.29	40.57	95.12	40.16	93.05	39.75	
	-5	-5.6	120.74	46.06	119.64	45.64	110.77	42.65	107.45	42.22	101.91	41.80	99.70	41.37	
	-3	-3.7	128.79	48.58	127.61	48.13	118.16	44.98	114.62	44.53	108.71	44.08	106.34	43.63	
	0	-0.7	141.67	47.50	140.37	47.06	129.98	43.98	126.08	43.54	119.58	43.10	116.98	42.66	
	3	2.2	152.94	43.18	151.54	42.78	140.31	39.98	136.11	39.58	129.09	39.18	126.28	38.78	
	5	4.1	156.16	41.38	154.73	41.00	143.27	38.32	138.97	37.93	131.81	37.55	128.94	37.17	
	7	6	160.99	35.99	159.52	35.65	147.70	33.32	143.27	32.99	135.88	32.65	132.93	32.32	
	9	7.9	164.21	35.63	162.71	35.30	150.65	32.99	146.13	32.66	138.60	32.33	135.59	32.00	
	11	9.8	164.21	35.27	162.71	34.94	150.65	32.65	146.13	32.33	138.60	32.00	135.59	31.67	
	13	11.8	164.21	35.09	162.71	34.76	150.65	32.49	146.13	32.16	138.60	31.84	135.59	31.51	
	15	13.7	164.21	34.91	162.71	34.58	150.65	32.32	146.13	32.00	138.60	31.67	135.59	31.35	
19	14.2	165.72	34.73	162.71	34.40	150.65	32.15	146.13	31.83	138.60	31.51	135.59	31.19		
21	15	165.72	34.55	162.71	34.23	150.65	31.99	146.13	31.67	138.60	31.35	135.59	31.03		
60%	-22.90	-23.00	53.61	33.79	53.12	33.47	49.18	31.28	47.71	30.97	45.25	30.66	44.27	30.34	
	-18.80	-19.00	57.96	34.58	57.43	34.26	53.17	32.02	51.58	31.70	48.92	31.38	47.85	31.06	
	-14.7	-15	65.20	36.02	64.60	35.68	59.82	33.35	58.02	33.02	55.03	32.68	53.84	32.35	
	-12.6	-13	72.45	36.34	71.78	36.00	66.46	33.64	64.47	33.31	61.15	32.97	59.82	32.63	
	-10.5	-11	78.24	36.65	77.52	36.31	71.78	33.94	69.63	33.60	66.04	33.26	64.60	32.92	
	-9.5	-10	82.59	37.29	81.83	36.95	75.77	34.53	73.50	34.18	69.71	33.84	68.19	33.49	
	-8.5	-9.1	86.94	38.25	86.14	37.89	79.76	35.41	77.37	35.06	73.38	34.71	71.78	34.35	
	-7	-7.6	101.43	39.20	100.50	38.84	93.05	36.30	90.26	35.94	85.61	35.57	83.75	35.21	
	-5	-5.6	108.67	40.80	107.67	40.42	99.70	37.78	96.71	37.40	91.72	37.02	89.73	36.64	
	-3	-3.7	115.91	43.03	114.85	42.63	106.34	39.84	103.15	39.44	97.84	39.04	95.71	38.65	
	0	-0.7	127.51	42.07	126.34	41.68	116.98	38.96	113.47	38.57	107.62	38.18	105.28	37.79	
	3	2.2	137.65	38.25	136.39	37.89	126.28	35.41	122.49	35.06	116.18	34.71	113.66	34.35	
	5	4.1	140.55	36.65	139.26	36.31	128.94	33.94	125.07	33.60	118.63	33.26	116.05	32.92	
	7	6	144.89	31.87	143.56	31.58	132.93	29.51	128.94	29.22	122.30	28.92	119.64	28.63	
	9	7.9	147.79	31.55	146.44	31.26	135.59	29.22	131.52	28.92	124.74	28.63	122.03	28.34	
	11	9.8	147.79	31.24	146.44	30.95	135.59	28.92	131.52	28.63	124.74	28.34	122.03	28.05	
	13	11.8	147.79	31.08	146.44	30.79	135.59	28.77	131.52	28.49	124.74	28.20	122.03	27.91	
	15	13.7	147.79	30.92	146.44	30.63	135.59	28.63	131.52	28.34	124.74	28.05	122.03	27.77	
19	14.2	149.15	30.76	146.44	30.47	135.59	28.48	131.52	28.19	124.74	27.91	122.03	27.62		
21	15	149.15	30.60	146.44	30.31	135.59	28.33	131.52	28.05	124.74	27.76	122.03	27.48		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT068S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	45.95	35.42	45.53	35.09	42.16	32.80	40.89	32.47	38.79	32.14	37.94	31.81	
	-18.80	-19.00	49.68	36.26	49.22	35.92	45.58	33.57	44.21	33.23	41.93	32.90	41.02	32.56	
	-14.7	-15	55.89	37.76	55.37	37.41	51.27	34.96	49.73	34.61	47.17	34.26	46.15	33.91	
	-12.6	-13	62.10	38.09	61.53	37.74	56.97	35.27	55.26	34.92	52.41	34.57	51.27	34.21	
	-10.5	-11	67.07	38.43	66.45	38.07	61.53	35.58	59.68	35.23	56.61	34.87	55.37	34.51	
	-9.5	-10	70.79	39.10	70.14	38.73	64.95	36.20	63.00	35.84	59.75	35.48	58.45	35.11	
	-8.5	-9.1	74.52	40.10	73.83	39.73	68.36	37.13	66.31	36.76	62.89	36.39	61.53	36.01	
	-7	-7.6	86.94	41.10	86.14	40.72	79.76	38.06	77.37	37.68	73.38	37.30	71.78	36.91	
	-5	-5.6	93.15	42.77	92.29	42.38	85.45	39.60	82.89	39.21	78.62	38.81	76.91	38.42	
	-3	-3.7	99.36	45.11	98.44	44.69	91.15	41.77	88.42	41.35	83.86	40.93	82.04	40.52	
	0	-0.7	109.29	44.11	108.29	43.70	100.27	40.84	97.26	40.43	92.25	40.02	90.24	39.62	
	3	2.2	117.98	40.10	116.90	39.73	108.24	37.13	105.00	36.76	99.58	36.39	97.42	36.01	
	5	4.1	120.47	38.43	119.36	38.07	110.52	35.58	107.21	35.23	101.68	34.87	99.47	34.51	
	7	6	124.19	33.42	123.06	33.11	113.94	30.94	110.52	30.63	104.82	30.32	102.55	30.01	
	9	7.9	126.68	33.08	125.52	32.77	116.22	30.63	112.73	30.32	106.92	30.02	104.60	29.71	
	11	9.8	126.68	32.75	125.52	32.44	116.22	30.32	112.73	30.02	106.92	29.71	104.60	29.41	
	13	11.8	126.68	32.58	125.52	32.28	116.22	30.17	112.73	29.86	106.92	29.56	104.60	29.26	
15	13.7	126.68	32.41	125.52	32.11	116.22	30.01	112.73	29.71	106.92	29.41	104.60	29.11		
19	14.2	127.84	32.25	125.52	31.95	116.22	29.86	112.73	29.56	106.92	29.26	104.60	28.96		
21	15	127.84	32.08	125.52	31.78	116.22	29.70	112.73	29.41	106.92	29.11	104.60	28.81		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT070S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	90.18	54.41	89.35	53.91	82.73	50.38	80.25	49.88	76.11	49.37	74.46	48.87	
	-18.80	-19.00	97.49	55.70	96.60	55.18	89.44	51.57	86.76	51.05	82.28	50.54	80.50	50.02	
	-14.7	-15	109.68	58.01	108.67	57.47	100.62	53.71	97.60	53.17	92.57	52.63	90.56	52.10	
	-12.6	-13	121.86	58.52	120.74	57.98	111.80	54.18	108.45	53.64	102.86	53.10	100.62	52.56	
	-10.5	-11	131.61	59.03	130.40	58.49	120.74	54.66	117.12	54.11	111.08	53.57	108.67	53.02	
	-9.5	-10	138.92	60.06	137.65	59.50	127.45	55.61	123.63	55.05	117.26	54.50	114.71	53.94	
	-8.5	-9.1	146.23	61.60	144.89	61.03	134.16	57.04	130.14	56.47	123.43	55.90	120.74	55.32	
	-7	-7.6	170.61	63.14	169.04	62.55	156.52	58.46	151.82	57.88	144.00	57.29	140.87	56.71	
	-5	-5.6	182.79	65.71	181.12	65.10	167.70	60.84	162.67	60.23	154.28	59.62	150.93	59.01	
	-3	-3.7	194.98	69.30	193.19	68.66	178.88	64.17	173.51	63.52	164.57	62.88	160.99	62.24	
	0	-0.7	214.48	67.76	212.51	67.13	196.77	62.74	190.86	62.11	181.03	61.48	177.09	60.86	
	3	2.2	231.54	61.60	229.41	61.03	212.42	57.04	206.05	56.47	195.43	55.90	191.18	55.32	
	5	4.1	236.41	59.03	234.24	58.49	216.89	54.66	210.39	54.11	199.54	53.57	195.20	53.02	
	7	6	243.72	51.33	241.49	50.86	223.60	47.53	216.89	47.05	205.71	46.58	201.24	46.10	
	9	7.9	248.60	50.82	246.32	50.35	228.07	47.05	221.23	46.58	209.83	46.11	205.26	45.64	
	11	9.8	248.60	50.31	246.32	49.84	228.07	46.58	221.23	46.11	209.83	45.65	205.26	45.18	
	13	11.8	248.60	50.05	246.32	49.59	228.07	46.34	221.23	45.88	209.83	45.41	205.26	44.95	
	15	13.7	248.60	49.79	246.32	49.33	228.07	46.10	221.23	45.64	209.83	45.18	205.26	44.72	
19	14.2	250.88	49.54	246.32	49.08	228.07	45.87	221.23	45.41	209.83	44.95	205.26	44.49		
21	15	250.88	49.28	246.32	48.82	228.07	45.63	221.23	45.17	209.83	44.72	205.26	44.26		
120%	-22.90	-23.00	89.31	54.97	88.49	54.46	81.94	50.90	79.48	50.39	75.38	49.88	73.74	49.37	
	-18.80	-19.00	96.55	56.27	95.67	55.75	88.58	52.10	85.92	51.58	81.49	51.06	79.72	50.54	
	-14.7	-15	108.62	58.60	107.62	58.06	99.65	54.26	96.66	53.72	91.68	53.18	89.69	52.63	
	-12.6	-13	120.69	59.12	119.58	58.57	110.72	54.74	107.40	54.20	101.87	53.65	99.65	53.10	
	-10.5	-11	130.35	59.64	129.15	59.09	119.58	55.22	116.00	54.67	110.02	54.12	107.62	53.57	
	-9.5	-10	137.59	60.68	136.32	60.12	126.23	56.18	122.44	55.62	116.13	55.06	113.60	54.50	
	-8.5	-9.1	144.83	62.23	143.50	61.66	132.87	57.62	128.88	57.05	122.24	56.47	119.58	55.90	
	-7	-7.6	168.97	63.79	167.42	63.20	155.01	59.06	150.36	58.47	142.61	57.88	139.51	57.29	
	-5	-5.6	181.04	66.38	179.37	65.77	166.09	61.47	161.10	60.85	152.80	60.24	149.48	59.62	
	-3	-3.7	193.10	70.01	191.33	69.36	177.16	64.83	171.85	64.18	162.99	63.53	159.44	62.88	
	0	-0.7	212.41	68.46	210.47	67.82	194.88	63.39	189.03	62.75	179.29	62.12	175.39	61.48	
	3	2.2	229.31	62.23	227.21	61.66	210.38	57.62	204.07	57.05	193.55	56.47	189.34	55.90	
	5	4.1	234.14	59.64	231.99	59.09	214.81	55.22	208.36	54.67	197.62	54.12	193.33	53.57	
	7	6	241.38	51.86	239.17	51.38	221.45	48.02	214.81	47.54	203.73	47.06	199.30	46.58	
	9	7.9	246.21	51.34	243.95	50.87	225.88	47.54	219.10	47.06	207.81	46.59	203.29	46.11	
	11	9.8	246.21	50.82	243.95	50.35	225.88	47.06	219.10	46.59	207.81	46.12	203.29	45.65	
	13	11.8	246.21	50.57	243.95	50.10	225.88	46.82	219.10	46.35	207.81	45.88	203.29	45.41	
	15	13.7	246.21	50.31	243.95	49.84	225.88	46.58	219.10	46.11	207.81	45.65	203.29	45.18	
19	14.2	248.47	50.05	243.95	49.58	225.88	46.34	219.10	45.88	207.81	45.41	203.29	44.95		
21	15	248.47	49.79	243.95	49.33	225.88	46.10	219.10	45.64	207.81	45.18	203.29	44.72		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT070S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	87.58	55.53	86.77	55.02	80.35	51.42	77.94	50.91	73.92	50.39	72.31	49.88	
	-18.80	-19.00	94.68	56.84	93.81	56.32	86.86	52.63	84.25	52.11	79.91	51.58	78.17	51.05	
	-14.7	-15	106.51	59.20	105.53	58.65	97.72	54.82	94.79	54.27	89.90	53.72	87.95	53.17	
	-12.6	-13	118.35	59.73	117.26	59.17	108.57	55.30	105.32	54.75	99.89	54.20	97.72	53.64	
	-10.5	-11	127.81	60.25	126.64	59.69	117.26	55.79	113.74	55.23	107.88	54.67	105.53	54.11	
	-9.5	-10	134.92	61.30	133.68	60.73	123.78	56.76	120.06	56.19	113.87	55.62	111.40	55.05	
	-8.5	-9.1	142.02	62.87	140.71	62.29	130.29	58.21	126.38	57.63	119.87	57.05	117.26	56.47	
	-7	-7.6	165.69	64.44	164.17	63.84	152.00	59.67	147.44	59.07	139.84	58.47	136.80	57.88	
	-5	-5.6	177.52	67.06	175.89	66.44	162.86	62.09	157.98	61.47	149.83	60.85	146.58	60.23	
	-3	-3.7	189.35	70.73	187.62	70.07	173.72	65.49	168.51	64.83	159.82	64.18	156.35	63.52	
	0	-0.7	208.29	69.16	206.38	68.52	191.09	64.03	185.36	63.39	175.80	62.75	171.98	62.11	
	3	2.2	224.86	62.87	222.80	62.29	206.29	58.21	200.10	57.63	189.79	57.05	185.66	56.47	
	5	4.1	229.59	60.25	227.49	59.69	210.64	55.79	204.32	55.23	193.78	54.67	189.57	54.11	
	7	6	236.69	52.39	234.52	51.91	217.15	48.51	210.64	48.02	199.78	47.54	195.43	47.05	
	9	7.9	241.43	51.87	239.21	51.39	221.49	48.02	214.85	47.54	203.77	47.06	199.34	46.58	
	11	9.8	241.43	51.34	239.21	50.87	221.49	47.54	214.85	47.06	203.77	46.59	199.34	46.11	
	13	11.8	241.43	51.08	239.21	50.61	221.49	47.30	214.85	46.82	203.77	46.35	199.34	45.88	
	15	13.7	241.43	50.82	239.21	50.35	221.49	47.05	214.85	46.58	203.77	46.11	199.34	45.64	
19	14.2	243.64	50.56	239.21	50.09	221.49	46.81	214.85	46.34	203.77	45.88	199.34	45.41		
21	15	243.64	50.30	239.21	49.83	221.49	46.57	214.85	46.10	203.77	45.64	199.34	45.17		
100%	-22.90	-23.00	86.71	56.10	85.91	55.58	79.55	51.94	77.16	51.42	73.19	50.90	71.59	50.38	
	-18.80	-19.00	93.74	57.42	92.88	56.89	86.00	53.17	83.42	52.63	79.12	52.10	77.40	51.57	
	-14.7	-15	105.46	59.80	104.49	59.25	96.75	55.37	93.85	54.82	89.01	54.26	87.07	53.71	
	-12.6	-13	117.17	60.33	116.10	59.77	107.50	55.86	104.27	55.30	98.90	54.74	96.75	54.18	
	-10.5	-11	126.55	60.86	125.39	60.29	116.10	56.35	112.62	55.79	106.81	55.22	104.49	54.66	
	-9.5	-10	133.58	61.92	132.35	61.34	122.55	57.33	118.87	56.76	112.75	56.18	110.29	55.61	
	-8.5	-9.1	140.61	63.50	139.32	62.92	129.00	58.80	125.13	58.21	118.68	57.62	116.10	57.04	
	-7	-7.6	164.04	65.09	162.54	64.49	150.50	60.27	145.98	59.67	138.46	59.06	135.45	58.46	
	-5	-5.6	175.76	67.74	174.15	67.11	161.25	62.72	156.41	62.09	148.35	61.47	145.12	60.84	
	-3	-3.7	187.48	71.44	185.76	70.78	172.00	66.15	166.84	65.49	158.24	64.83	154.80	64.17	
	0	-0.7	206.23	69.85	204.34	69.21	189.20	64.68	183.52	64.03	174.06	63.39	170.28	62.74	
	3	2.2	222.63	63.50	220.59	62.92	204.25	58.80	198.12	58.21	187.91	57.62	183.82	57.04	
	5	4.1	227.32	60.86	225.23	60.29	208.55	56.35	202.29	55.79	191.87	55.22	187.69	54.66	
	7	6	234.35	52.92	232.20	52.43	215.00	49.00	208.55	48.51	197.80	48.02	193.50	47.53	
	9	7.9	239.04	52.39	236.84	51.91	219.30	48.51	212.72	48.02	201.76	47.54	197.37	47.05	
	11	9.8	239.04	51.86	236.84	51.38	219.30	48.02	212.72	47.54	201.76	47.06	197.37	46.58	
	13	11.8	239.04	51.60	236.84	51.12	219.30	47.78	212.72	47.30	201.76	46.82	197.37	46.34	
	15	13.7	239.04	51.33	236.84	50.86	219.30	47.53	212.72	47.05	201.76	46.58	197.37	46.10	
19	14.2	241.23	51.07	236.84	50.59	219.30	47.29	212.72	46.81	201.76	46.34	197.37	45.87		
21	15	241.23	50.80	236.84	50.33	219.30	47.04	212.72	46.57	201.76	46.10	197.37	45.63		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT070S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	79.77	51.05	79.04	50.57	73.19	47.27	70.99	46.79	67.33	46.32	65.87	45.85	
	-18.80	-19.00	86.24	52.25	85.45	51.77	79.12	48.38	76.75	47.90	72.79	47.41	71.21	46.93	
	-14.7	-15	97.02	54.42	96.13	53.91	89.01	50.39	86.34	49.88	81.89	49.38	80.11	48.88	
	-12.6	-13	107.80	54.90	106.81	54.39	98.90	50.83	95.93	50.32	90.99	49.82	89.01	49.31	
	-10.5	-11	116.43	55.38	115.36	54.87	106.81	51.28	103.61	50.77	98.27	50.25	96.13	49.74	
	-9.5	-10	122.89	56.34	121.77	55.82	112.75	52.17	109.36	51.65	103.73	51.13	101.47	50.61	
	-8.5	-9.1	129.36	57.79	128.17	57.25	118.68	53.51	115.12	52.97	109.19	52.44	106.81	51.90	
	-7	-7.6	150.92	59.23	149.54	58.68	138.46	54.85	134.31	54.30	127.38	53.75	124.61	53.20	
	-5	-5.6	161.70	61.64	160.22	61.07	148.35	57.08	143.90	56.50	136.48	55.93	133.51	55.36	
	-3	-3.7	172.48	65.01	170.90	64.41	158.24	60.20	153.49	59.59	145.58	58.99	142.42	58.39	
	0	-0.7	189.73	63.57	187.99	62.98	174.06	58.86	168.84	58.27	160.14	57.68	156.66	57.09	
	3	2.2	204.82	57.79	202.94	57.25	187.91	53.51	182.27	52.97	172.88	52.44	169.12	51.90	
	5	4.1	209.13	55.38	207.22	54.87	191.87	51.28	186.11	50.77	176.52	50.25	172.68	49.74	
	7	6	215.60	48.16	213.62	47.71	197.80	44.59	191.87	44.14	181.98	43.70	178.02	43.25	
	9	7.9	219.91	47.68	217.90	47.23	201.76	44.14	195.70	43.70	185.62	43.26	181.58	42.82	
	11	9.8	219.91	47.19	217.90	46.76	201.76	43.70	195.70	43.26	185.62	42.82	181.58	42.39	
	13	11.8	219.91	46.95	217.90	46.52	201.76	43.48	195.70	43.04	185.62	42.61	181.58	42.17	
15	13.7	219.91	46.71	217.90	46.28	201.76	43.25	195.70	42.82	185.62	42.39	181.58	41.95		
19	14.2	221.93	46.47	217.90	46.04	201.76	43.03	195.70	42.60	185.62	42.17	181.58	41.74		
21	15	221.93	46.23	217.90	45.80	201.76	42.81	195.70	42.38	185.62	41.95	181.58	41.52		
80%	-22.90	-23.00	70.23	41.35	69.59	40.96	64.44	38.28	62.50	37.90	59.28	37.52	57.99	37.14	
	-18.80	-19.00	75.93	42.32	75.23	41.93	69.66	39.19	67.57	38.80	64.09	38.40	62.69	38.01	
	-14.7	-15	85.42	44.08	84.64	43.67	78.37	40.81	76.02	40.41	72.10	40.00	70.53	39.59	
	-12.6	-13	94.91	44.47	94.04	44.06	87.07	41.17	84.46	40.76	80.11	40.35	78.37	39.94	
	-10.5	-11	102.50	44.86	101.56	44.44	94.04	41.54	91.22	41.12	86.52	40.70	84.64	40.29	
	-9.5	-10	108.20	45.64	107.21	45.22	99.27	42.26	96.29	41.84	91.32	41.41	89.34	40.99	
	-8.5	-9.1	113.89	46.81	112.85	46.38	104.49	43.34	101.36	42.91	96.13	42.47	94.04	42.04	
	-7	-7.6	132.88	47.98	131.66	47.53	121.90	44.43	118.25	43.98	112.15	43.54	109.71	43.09	
	-5	-5.6	142.37	49.93	141.06	49.47	130.61	46.23	126.69	45.77	120.16	45.31	117.55	44.84	
	-3	-3.7	151.86	52.66	150.47	52.17	139.32	48.76	135.14	48.27	128.17	47.78	125.39	47.30	
	0	-0.7	167.04	51.49	165.51	51.01	153.25	47.68	148.65	47.20	140.99	46.72	137.93	46.25	
	3	2.2	180.33	46.81	178.68	46.38	165.44	43.34	160.48	42.91	152.21	42.47	148.90	42.04	
	5	4.1	184.13	44.86	182.44	44.44	168.93	41.54	163.86	41.12	155.41	40.70	152.03	40.29	
	7	6	189.82	39.01	188.08	38.65	174.15	36.12	168.93	35.76	160.22	35.40	156.73	35.03	
	9	7.9	193.62	38.62	191.84	38.26	177.63	35.76	172.30	35.40	163.42	35.04	159.87	34.68	
	11	9.8	193.62	38.23	191.84	37.87	177.63	35.40	172.30	35.04	163.42	34.69	159.87	34.33	
	13	11.8	193.62	38.03	191.84	37.68	177.63	35.21	172.30	34.86	163.42	34.51	159.87	34.16	
15	13.7	193.62	37.84	191.84	37.49	177.63	35.03	172.30	34.68	163.42	34.33	159.87	33.98		
19	14.2	195.40	37.64	191.84	37.29	177.63	34.85	172.30	34.51	163.42	34.16	159.87	33.81		
21	15	195.40	37.45	191.84	37.10	177.63	34.67	172.30	34.33	163.42	33.98	159.87	33.63		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT070S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	60.70	39.27	60.14	38.90	55.68	36.36	54.01	35.99	51.23	35.63	50.12	35.27	
	-18.80	-19.00	65.62	40.19	65.02	39.82	60.20	37.22	58.39	36.84	55.38	36.47	54.18	36.10	
	-14.7	-15	73.82	41.86	73.14	41.47	67.72	38.76	65.69	38.37	62.31	37.98	60.95	37.60	
	-12.6	-13	82.02	42.23	81.27	41.84	75.25	39.10	72.99	38.71	69.23	38.32	67.72	37.93	
	-10.5	-11	88.58	42.60	87.77	42.21	81.27	39.45	78.83	39.05	74.77	38.66	73.14	38.26	
	-9.5	-10	93.51	43.34	92.65	42.94	85.78	40.13	83.21	39.73	78.92	39.33	77.21	38.93	
	-8.5	-9.1	98.43	44.45	97.52	44.04	90.30	41.16	87.59	40.75	83.08	40.34	81.27	39.93	
	-7	-7.6	114.83	45.56	113.78	45.14	105.35	42.19	102.19	41.77	96.92	41.35	94.81	40.92	
	-5	-5.6	123.03	47.42	121.90	46.98	112.87	43.90	109.49	43.46	103.84	43.03	101.59	42.59	
	-3	-3.7	131.24	50.01	130.03	49.55	120.40	46.31	116.79	45.84	110.77	45.38	108.36	44.92	
	0	-0.7	144.36	48.90	143.04	48.45	132.44	45.28	128.47	44.82	121.84	44.37	119.20	43.92	
	3	2.2	155.84	44.45	154.41	44.04	142.97	41.16	138.69	40.75	131.54	40.34	128.68	39.93	
	5	4.1	159.12	42.60	157.66	42.21	145.98	39.45	141.61	39.05	134.31	38.66	131.39	38.26	
	7	6	164.04	37.04	162.54	36.70	150.50	34.30	145.98	33.96	138.46	33.61	135.45	33.27	
	9	7.9	167.33	36.67	165.79	36.33	153.51	33.96	148.90	33.62	141.23	33.28	138.16	32.94	
	11	9.8	167.33	36.30	165.79	35.97	153.51	33.61	148.90	33.28	141.23	32.94	138.16	32.61	
	13	11.8	167.33	36.12	165.79	35.78	153.51	33.44	148.90	33.11	141.23	32.77	138.16	32.44	
	15	13.7	167.33	35.93	165.79	35.60	153.51	33.27	148.90	32.94	141.23	32.61	138.16	32.27	
	19	14.2	168.86	35.75	165.79	35.42	153.51	33.10	148.90	32.77	141.23	32.44	138.16	32.11	
	21	15	168.86	35.56	165.79	35.23	153.51	32.93	148.90	32.60	141.23	32.27	138.16	31.94	
60%	-22.90	-23.00	54.63	34.78	54.13	34.46	50.12	32.20	48.61	31.88	46.11	31.56	45.10	31.24	
	-18.80	-19.00	59.06	35.60	58.51	35.27	54.18	32.96	52.55	32.63	49.85	32.30	48.76	31.97	
	-14.7	-15	66.44	37.08	65.83	36.73	60.95	34.33	59.12	33.99	56.08	33.64	54.86	33.30	
	-12.6	-13	73.82	37.40	73.14	37.06	67.72	34.63	65.69	34.29	62.31	33.94	60.95	33.59	
	-10.5	-11	79.73	37.73	78.99	37.38	73.14	34.94	70.95	34.59	67.29	34.24	65.83	33.89	
	-9.5	-10	84.16	38.39	83.38	38.03	77.21	35.54	74.89	35.19	71.03	34.83	69.49	34.48	
	-8.5	-9.1	88.58	39.37	87.77	39.01	81.27	36.46	78.83	36.09	74.77	35.73	73.14	35.36	
	-7	-7.6	103.35	40.36	102.40	39.98	94.81	37.37	91.97	36.99	87.23	36.62	85.33	36.25	
	-5	-5.6	110.73	42.00	109.71	41.61	101.59	38.89	98.54	38.50	93.46	38.11	91.43	37.72	
	-3	-3.7	118.11	44.29	117.03	43.88	108.36	41.01	105.11	40.60	99.69	40.19	97.52	39.78	
	0	-0.7	129.92	43.31	128.73	42.91	119.20	40.10	115.62	39.70	109.66	39.30	107.28	38.90	
	3	2.2	140.26	39.37	138.97	39.01	128.68	36.46	124.82	36.09	118.38	35.73	115.81	35.36	
	5	4.1	143.21	37.73	141.90	37.38	131.39	34.94	127.44	34.59	120.88	34.24	118.25	33.89	
	7	6	147.64	32.81	146.29	32.51	135.45	30.38	131.39	30.08	124.61	29.77	121.90	29.47	
	9	7.9	150.59	32.48	149.21	32.18	138.16	30.08	134.01	29.78	127.11	29.47	124.34	29.17	
	11	9.8	150.59	32.15	149.21	31.86	138.16	29.77	134.01	29.47	127.11	29.18	124.34	28.88	
	13	11.8	150.59	31.99	149.21	31.69	138.16	29.62	134.01	29.32	127.11	29.03	124.34	28.73	
	15	13.7	150.59	31.83	149.21	31.53	138.16	29.47	134.01	29.17	127.11	28.88	124.34	28.58	
	19	14.2	151.97	31.66	149.21	31.37	138.16	29.32	134.01	29.02	127.11	28.73	124.34	28.44	
	21	15	151.97	31.50	149.21	31.21	138.16	29.16	134.01	28.87	127.11	28.58	124.34	28.29	

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT070S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	46.82	36.46	46.39	36.12	42.96	33.76	41.67	33.42	39.52	33.09	38.66	32.75	
	-18.80	-19.00	50.62	37.32	50.16	36.98	46.44	34.56	45.05	34.21	42.72	33.87	41.80	33.52	
	-14.7	-15	56.95	38.87	56.42	38.51	52.24	35.99	50.68	35.63	48.07	35.27	47.02	34.91	
	-12.6	-13	63.27	39.21	62.69	38.85	58.05	36.31	56.31	35.95	53.41	35.58	52.24	35.22	
	-10.5	-11	68.34	39.56	67.71	39.19	62.69	36.63	60.81	36.26	57.68	35.89	56.42	35.53	
	-9.5	-10	72.13	40.25	71.47	39.87	66.18	37.26	64.19	36.89	60.88	36.52	59.56	36.15	
	-8.5	-9.1	75.93	41.28	75.23	40.90	69.66	38.22	67.57	37.84	64.09	37.46	62.69	37.07	
	-7	-7.6	88.58	42.31	87.77	41.92	81.27	39.18	78.83	38.78	74.77	38.39	73.14	38.00	
	-5	-5.6	94.91	44.03	94.04	43.62	87.07	40.77	84.46	40.36	80.11	39.95	78.37	39.54	
	-3	-3.7	101.24	46.44	100.31	46.01	92.88	43.00	90.09	42.57	85.45	42.14	83.59	41.71	
	0	-0.7	111.36	45.41	110.34	44.98	102.17	42.04	99.10	41.62	93.99	41.20	91.95	40.78	
	3	2.2	120.22	41.28	119.12	40.90	110.29	38.22	106.99	37.84	101.47	37.46	99.27	37.07	
	5	4.1	122.75	39.56	121.63	39.19	112.62	36.63	109.24	36.26	103.61	35.89	101.36	35.53	
	7	6	126.55	34.40	125.39	34.08	116.10	31.85	112.62	31.53	106.81	31.21	104.49	30.89	
	9	7.9	129.08	34.05	127.90	33.74	118.42	31.53	114.87	31.22	108.95	30.90	106.58	30.59	
	11	9.8	129.08	33.71	127.90	33.40	118.42	31.21	114.87	30.90	108.95	30.59	106.58	30.28	
	13	11.8	129.08	33.54	127.90	33.23	118.42	31.05	114.87	30.74	108.95	30.43	106.58	30.12	
	15	13.7	129.08	33.37	127.90	33.06	118.42	30.89	114.87	30.59	108.95	30.28	106.58	29.97	
19	14.2	130.26	33.19	127.90	32.89	118.42	30.74	114.87	30.43	108.95	30.12	106.58	29.81		
21	15	130.26	33.02	127.90	32.72	118.42	30.58	114.87	30.27	108.95	29.96	106.58	29.66		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT072S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	°C DB)	°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	91.86	55.97	91.01	55.45	84.27	51.82	81.74	51.30	77.53	50.78	75.84	50.27	
	-18.80	-19.00	99.30	57.29	98.39	56.76	91.10	53.04	88.37	52.51	83.82	51.98	81.99	51.45	
	-14.7	-15	111.72	59.66	110.69	59.11	102.49	55.24	99.42	54.69	94.29	54.14	92.24	53.59	
	-12.6	-13	124.13	60.19	122.99	59.63	113.88	55.73	110.46	55.17	104.77	54.62	102.49	54.06	
	-10.5	-11	134.06	60.72	132.83	60.16	122.99	56.22	119.30	55.66	113.15	55.10	110.69	54.53	
	-9.5	-10	141.51	61.77	140.21	61.20	129.82	57.20	125.93	56.63	119.44	56.05	116.84	55.48	
	-8.5	-9.1	148.96	63.36	147.59	62.77	136.66	58.67	132.56	58.08	125.72	57.49	122.99	56.91	
	-7	-7.6	173.78	64.94	172.19	64.34	159.43	60.13	154.65	59.53	146.68	58.93	143.49	58.33	
	-5	-5.6	186.19	67.58	184.49	66.96	170.82	62.58	165.70	61.95	157.15	61.33	153.74	60.70	
	-3	-3.7	198.61	71.28	196.78	70.62	182.21	66.00	176.74	65.34	167.63	64.68	163.99	64.02	
	0	-0.7	218.47	69.69	216.46	69.05	200.43	64.53	194.42	63.89	184.39	63.24	180.39	62.60	
	3	2.2	235.85	63.36	233.68	62.77	216.37	58.67	209.88	58.08	199.06	57.49	194.73	56.91	
	5	4.1	240.81	60.72	238.60	60.16	220.93	56.22	214.30	55.66	203.25	55.10	198.83	54.53	
	7	6	248.26	52.80	245.98	52.31	227.76	48.89	220.93	48.40	209.54	47.91	204.98	47.42	
	9	7.9	253.22	52.27	250.90	51.79	232.32	48.40	225.35	47.92	213.73	47.43	209.08	46.95	
	11	9.8	253.22	51.74	250.90	51.26	232.32	47.91	225.35	47.43	213.73	46.95	209.08	46.47	
	13	11.8	253.22	51.48	250.90	51.00	232.32	47.67	225.35	47.19	213.73	46.71	209.08	46.24	
	15	13.7	253.22	51.22	250.90	50.74	232.32	47.42	225.35	46.95	213.73	46.47	209.08	46.00	
19	14.2	255.55	50.95	250.90	50.48	232.32	47.18	225.35	46.71	213.73	46.23	209.08	45.76		
21	15	255.55	50.69	250.90	50.22	232.32	46.93	225.35	46.46	213.73	45.99	209.08	45.52		
120%	-22.90	-23.00	90.97	56.54	90.14	56.02	83.46	52.36	80.96	51.83	76.78	51.31	75.11	50.78	
	-18.80	-19.00	98.35	57.88	97.45	57.34	90.23	53.59	87.52	53.05	83.01	52.52	81.21	51.98	
	-14.7	-15	110.64	60.28	109.63	59.72	101.51	55.81	98.46	55.25	93.39	54.70	91.36	54.14	
	-12.6	-13	122.94	60.81	121.81	60.25	112.78	56.31	109.40	55.74	103.76	55.18	101.51	54.62	
	-10.5	-11	132.77	61.34	131.55	60.78	121.81	56.80	118.15	56.23	112.06	55.66	109.63	55.10	
	-9.5	-10	140.15	62.41	138.86	61.83	128.57	57.79	124.72	57.21	118.29	56.63	115.72	56.05	
	-8.5	-9.1	147.52	64.01	146.17	63.42	135.34	59.27	131.28	58.68	124.51	58.08	121.81	57.49	
	-7	-7.6	172.11	65.61	170.53	65.00	157.90	60.75	153.16	60.14	145.27	59.54	142.11	58.93	
	-5	-5.6	184.40	68.28	182.71	67.65	169.18	63.22	164.10	62.59	155.64	61.96	152.26	61.33	
	-3	-3.7	196.70	72.01	194.89	71.35	180.46	66.68	175.04	66.01	166.02	65.35	162.41	64.68	
	0	-0.7	216.37	70.41	214.38	69.76	198.50	65.20	192.55	64.55	182.62	63.89	178.65	63.24	
	3	2.2	233.58	64.01	231.43	63.42	214.29	59.27	207.86	58.68	197.15	58.08	192.86	57.49	
	5	4.1	238.50	61.34	236.31	60.78	218.80	56.80	212.24	56.23	201.30	55.66	196.92	55.10	
	7	6	245.87	53.34	243.62	52.85	225.57	49.39	218.80	48.90	207.52	48.40	203.01	47.91	
	9	7.9	250.79	52.81	248.49	52.32	230.08	48.90	223.18	48.41	211.67	47.92	207.07	47.43	
	11	9.8	250.79	52.28	248.49	51.79	230.08	48.40	223.18	47.92	211.67	47.44	207.07	46.95	
	13	11.8	250.79	52.01	248.49	51.53	230.08	48.16	223.18	47.68	211.67	47.19	207.07	46.71	
	15	13.7	250.79	51.74	248.49	51.26	230.08	47.91	223.18	47.43	211.67	46.95	207.07	46.47	
19	14.2	253.09	51.48	248.49	51.00	230.08	47.66	223.18	47.19	211.67	46.71	207.07	46.23		
21	15	253.09	51.21	248.49	50.74	230.08	47.42	223.18	46.94	211.67	46.47	207.07	45.99		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT072S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	°C DB)	°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-22.90	-23.00	89.21	57.12	88.39	56.59	81.84	52.89	79.39	52.36	75.29	51.83	73.66	51.30	
	-18.80	-19.00	96.44	58.47	95.55	57.93	88.48	54.14	85.82	53.60	81.40	53.05	79.63	52.51	
	-14.7	-15	108.49	60.89	107.50	60.33	99.54	56.38	96.55	55.82	91.57	55.25	89.58	54.69	
	-12.6	-13	120.55	61.43	119.44	60.86	110.59	56.88	107.28	56.31	101.75	55.74	99.54	55.17	
	-10.5	-11	130.19	61.97	129.00	61.40	119.44	57.38	115.86	56.81	109.89	56.23	107.50	55.66	
	-9.5	-10	137.43	63.05	136.16	62.46	126.08	58.38	122.30	57.79	115.99	57.21	113.47	56.63	
	-8.5	-9.1	144.66	64.67	143.33	64.07	132.71	59.88	128.73	59.28	122.10	58.68	119.44	58.08	
	-7	-7.6	168.77	66.28	167.22	65.67	154.83	61.37	150.19	60.76	142.45	60.14	139.35	59.53	
	-5	-5.6	180.82	68.98	179.16	68.34	165.89	63.87	160.92	63.23	152.62	62.59	149.30	61.95	
	-3	-3.7	192.88	72.75	191.11	72.07	176.95	67.36	171.64	66.69	162.80	66.01	159.26	65.34	
	0	-0.7	212.17	71.13	210.22	70.47	194.65	65.86	188.81	65.20	179.08	64.55	175.18	63.89	
	3	2.2	229.04	64.67	226.94	64.07	210.13	59.88	203.83	59.28	193.32	58.68	189.12	58.08	
	5	4.1	233.86	61.97	231.72	61.40	214.55	57.38	208.12	56.81	197.39	56.23	193.10	55.66	
	7	6	241.10	53.89	238.89	53.39	221.19	49.90	214.55	49.40	203.49	48.90	199.07	48.40	
	9	7.9	245.92	53.35	243.66	52.85	225.61	49.40	218.85	48.90	207.56	48.41	203.05	47.92	
	11	9.8	245.92	52.81	243.66	52.32	225.61	48.90	218.85	48.41	207.56	47.92	203.05	47.43	
	13	11.8	245.92	52.54	243.66	52.05	225.61	48.65	218.85	48.16	207.56	47.68	203.05	47.19	
	15	13.7	245.92	52.27	243.66	51.79	225.61	48.40	218.85	47.92	207.56	47.43	203.05	46.95	
19	14.2	248.18	52.00	243.66	51.52	225.61	48.15	218.85	47.67	207.56	47.19	203.05	46.71		
21	15	248.18	51.73	243.66	51.25	225.61	47.90	218.85	47.42	207.56	46.94	203.05	46.46		
100%	-22.90	-23.00	88.32	57.70	87.51	57.16	81.03	53.42	78.60	52.89	74.55	52.36	72.93	51.82	
	-18.80	-19.00	95.48	59.06	94.61	58.51	87.60	54.68	84.97	54.14	80.59	53.59	78.84	53.04	
	-14.7	-15	107.42	61.51	106.43	60.94	98.55	56.95	95.59	56.38	90.67	55.81	88.69	55.24	
	-12.6	-13	119.35	62.05	118.26	61.48	109.50	57.46	106.21	56.88	100.74	56.31	98.55	55.73	
	-10.5	-11	128.90	62.60	127.72	62.02	118.26	57.96	114.71	57.38	108.80	56.80	106.43	56.22	
	-9.5	-10	136.06	63.69	134.82	63.10	124.83	58.97	121.09	58.38	114.84	57.79	112.35	57.20	
	-8.5	-9.1	143.23	65.32	141.91	64.71	131.40	60.48	127.46	59.88	120.89	59.27	118.26	58.67	
	-7	-7.6	167.10	66.95	165.56	66.33	153.30	61.99	148.70	61.37	141.04	60.75	137.97	60.13	
	-5	-5.6	179.03	69.67	177.39	69.03	164.25	64.51	159.32	63.87	151.11	63.22	147.82	62.58	
	-3	-3.7	190.97	73.48	189.22	72.80	175.20	68.04	169.94	67.36	161.18	66.68	157.68	66.00	
	0	-0.7	210.06	71.85	208.14	71.18	192.72	66.53	186.94	65.86	177.30	65.20	173.45	64.53	
	3	2.2	226.77	65.32	224.69	64.71	208.05	60.48	201.81	59.88	191.41	59.27	187.24	58.67	
	5	4.1	231.55	62.60	229.42	62.02	212.43	57.96	206.06	57.38	195.44	56.80	191.19	56.22	
	7	6	238.71	54.43	236.52	53.93	219.00	50.40	212.43	49.90	201.48	49.39	197.10	48.89	
	9	7.9	243.48	53.89	241.25	53.39	223.38	49.90	216.68	49.40	205.51	48.90	201.04	48.40	
	11	9.8	243.48	53.34	241.25	52.85	223.38	49.39	216.68	48.90	205.51	48.40	201.04	47.91	
	13	11.8	243.48	53.07	241.25	52.58	223.38	49.14	216.68	48.65	205.51	48.16	201.04	47.67	
	15	13.7	243.48	52.80	241.25	52.31	223.38	48.89	216.68	48.40	205.51	47.91	201.04	47.42	
19	14.2	245.72	52.53	241.25	52.04	223.38	48.64	216.68	48.15	205.51	47.66	201.04	47.18		
21	15	245.72	52.25	241.25	51.77	223.38	48.38	216.68	47.90	205.51	47.42	201.04	46.93		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT072S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	81.26	52.51	80.51	52.02	74.55	48.62	72.31	48.13	68.58	47.64	67.09	47.16	
	-18.80	-19.00	87.85	53.74	87.04	53.25	80.59	49.76	78.17	49.26	74.14	48.77	72.53	48.27	
	-14.7	-15	98.83	55.97	97.92	55.45	90.67	51.83	87.95	51.31	83.41	50.79	81.60	50.27	
	-12.6	-13	109.81	56.47	108.80	55.94	100.74	52.28	97.72	51.76	92.68	51.24	90.67	50.72	
	-10.5	-11	118.59	56.96	117.50	56.44	108.80	52.74	105.54	52.22	100.10	51.69	97.92	51.16	
	-9.5	-10	125.18	57.95	124.03	57.42	114.84	53.66	111.40	53.12	105.66	52.59	103.36	52.05	
	-8.5	-9.1	131.77	59.44	130.56	58.89	120.89	55.04	117.26	54.49	111.22	53.94	108.80	53.39	
	-7	-7.6	153.73	60.93	152.32	60.36	141.04	56.41	136.80	55.85	129.75	55.28	126.93	54.72	
	-5	-5.6	164.71	63.40	163.20	62.82	151.11	58.71	146.58	58.12	139.02	57.53	136.00	56.94	
	-3	-3.7	175.69	66.87	174.08	66.25	161.18	61.92	156.35	61.30	148.29	60.68	145.07	60.06	
	0	-0.7	193.26	65.38	191.49	64.78	177.30	60.54	171.98	59.94	163.12	59.33	159.57	58.72	
	3	2.2	208.63	59.44	206.72	58.89	191.41	55.04	185.66	54.49	176.09	53.94	172.27	53.39	
	5	4.1	213.02	56.96	211.07	56.44	195.44	52.74	189.57	52.22	179.80	51.69	175.89	51.16	
	7	6	219.61	49.53	217.60	49.07	201.48	45.86	195.44	45.41	185.36	44.95	181.33	44.49	
	9	7.9	224.01	49.04	221.95	48.58	205.51	45.41	199.34	44.95	189.07	44.50	184.96	44.04	
	11	9.8	224.01	48.54	221.95	48.09	205.51	44.95	199.34	44.50	189.07	44.05	184.96	43.60	
	13	11.8	224.01	48.29	221.95	47.85	205.51	44.72	199.34	44.27	189.07	43.82	184.96	43.38	
	15	13.7	224.01	48.05	221.95	47.60	205.51	44.49	199.34	44.04	189.07	43.60	184.96	43.15	
19	14.2	226.06	47.80	221.95	47.36	205.51	44.26	199.34	43.82	189.07	43.37	184.96	42.93		
21	15	226.06	47.55	221.95	47.11	205.51	44.03	199.34	43.59	189.07	43.15	184.96	42.71		
80%	-22.90	-23.00	71.54	42.53	70.89	42.14	65.63	39.38	63.67	38.99	60.38	38.59	59.07	38.20	
	-18.80	-19.00	77.34	43.53	76.63	43.13	70.96	40.31	68.83	39.90	65.28	39.50	63.86	39.10	
	-14.7	-15	87.01	45.34	86.21	44.92	79.83	41.98	77.43	41.56	73.44	41.14	71.84	40.72	
	-12.6	-13	96.68	45.74	95.79	45.32	88.69	42.35	86.03	41.93	81.60	41.50	79.83	41.08	
	-10.5	-11	104.41	46.14	103.45	45.71	95.79	42.72	92.92	42.30	88.13	41.87	86.21	41.44	
	-9.5	-10	110.21	46.94	109.20	46.51	101.11	43.47	98.08	43.03	93.02	42.60	91.00	42.16	
	-8.5	-9.1	116.01	48.15	114.95	47.70	106.43	44.58	103.24	44.13	97.92	43.69	95.79	43.24	
	-7	-7.6	135.35	49.35	134.11	48.89	124.17	45.69	120.45	45.24	114.24	44.78	111.76	44.32	
	-5	-5.6	145.02	51.36	143.69	50.88	133.04	47.55	129.05	47.08	122.40	46.60	119.74	46.13	
	-3	-3.7	154.68	54.16	153.26	53.66	141.91	50.15	137.65	49.65	130.56	49.15	127.72	48.65	
	0	-0.7	170.15	52.96	168.59	52.47	156.10	49.04	151.42	48.55	143.61	48.06	140.49	47.57	
	3	2.2	183.69	48.15	182.00	47.70	168.52	44.58	163.46	44.13	155.04	43.69	151.67	43.24	
	5	4.1	187.55	46.14	185.83	45.71	172.07	42.72	166.91	42.30	158.30	41.87	154.86	41.44	
	7	6	193.36	40.12	191.58	39.75	177.39	37.15	172.07	36.78	163.20	36.41	159.65	36.04	
	9	7.9	197.22	39.72	195.41	39.35	180.94	36.78	175.51	36.41	166.46	36.04	162.84	35.67	
	11	9.8	197.22	39.32	195.41	38.96	180.94	36.41	175.51	36.04	166.46	35.68	162.84	35.31	
	13	11.8	197.22	39.12	195.41	38.76	180.94	36.22	175.51	35.86	166.46	35.50	162.84	35.13	
	15	13.7	197.22	38.92	195.41	38.56	180.94	36.04	175.51	35.67	166.46	35.31	162.84	34.95	
19	14.2	199.03	38.72	195.41	38.36	180.94	35.85	175.51	35.49	166.46	35.13	162.84	34.77		
21	15	199.03	38.52	195.41	38.16	180.94	35.66	175.51	35.31	166.46	34.95	162.84	34.59		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT072S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	61.83	40.39	61.26	40.01	56.72	37.40	55.02	37.02	52.18	36.65	51.05	36.27	
	-18.80	-19.00	66.84	41.34	66.23	40.96	61.32	38.28	59.48	37.90	56.41	37.51	55.19	37.13	
	-14.7	-15	75.19	43.06	74.50	42.66	68.98	39.87	66.92	39.47	63.47	39.07	62.09	38.67	
	-12.6	-13	83.55	43.44	82.78	43.03	76.65	40.22	74.35	39.82	70.52	39.41	68.98	39.01	
	-10.5	-11	90.23	43.82	89.40	43.41	82.78	40.57	80.30	40.17	76.16	39.76	74.50	39.35	
	-9.5	-10	95.25	44.58	94.37	44.17	87.38	41.28	84.76	40.86	80.39	40.45	78.64	40.04	
	-8.5	-9.1	100.26	45.72	99.34	45.30	91.98	42.34	89.22	41.91	84.62	41.49	82.78	41.07	
	-7	-7.6	116.97	46.87	115.89	46.43	107.31	43.39	104.09	42.96	98.73	42.53	96.58	42.09	
	-5	-5.6	125.32	48.77	124.17	48.32	114.97	45.16	111.53	44.71	105.78	44.26	103.48	43.80	
	-3	-3.7	133.68	51.44	132.45	50.96	122.64	47.63	118.96	47.15	112.83	46.68	110.38	46.20	
	0	-0.7	147.05	50.30	145.70	49.83	134.90	46.57	130.86	46.10	124.11	45.64	121.41	45.17	
	3	2.2	158.74	45.72	157.29	45.30	145.63	42.34	141.27	41.91	133.98	41.49	131.07	41.07	
	5	4.1	162.08	43.82	160.60	43.41	148.70	40.57	144.24	40.17	136.80	39.76	133.83	39.35	
	7	6	167.10	38.10	165.56	37.75	153.30	35.28	148.70	34.93	141.04	34.57	137.97	34.22	
	9	7.9	170.44	37.72	168.88	37.37	156.37	34.93	151.68	34.58	143.86	34.23	140.73	33.88	
	11	9.8	170.44	37.34	168.88	36.99	156.37	34.57	151.68	34.23	143.86	33.88	140.73	33.54	
	13	11.8	170.44	37.15	168.88	36.81	156.37	34.40	151.68	34.05	143.86	33.71	140.73	33.37	
	15	13.7	170.44	36.96	168.88	36.62	156.37	34.22	151.68	33.88	143.86	33.54	140.73	33.19	
19	14.2	172.00	36.77	168.88	36.43	156.37	34.05	151.68	33.70	143.86	33.36	140.73	33.02		
21	15	172.00	36.58	168.88	36.24	156.37	33.87	151.68	33.53	143.86	33.19	140.73	32.85		
60%	-22.90	-23.00	55.64	35.77	55.13	35.44	51.05	33.12	49.52	32.79	46.96	32.46	45.94	32.13	
	-18.80	-19.00	60.15	36.62	59.60	36.28	55.19	33.90	53.53	33.57	50.77	33.23	49.67	32.89	
	-14.7	-15	67.67	38.14	67.05	37.78	62.09	35.31	60.22	34.96	57.12	34.60	55.88	34.25	
	-12.6	-13	75.19	38.47	74.50	38.12	68.98	35.62	66.92	35.27	63.47	34.91	62.09	34.55	
	-10.5	-11	81.21	38.81	80.46	38.45	74.50	35.94	72.27	35.58	68.54	35.22	67.05	34.86	
	-9.5	-10	85.72	39.48	84.93	39.12	78.64	36.56	76.28	36.19	72.35	35.83	70.78	35.46	
	-8.5	-9.1	90.23	40.50	89.40	40.12	82.78	37.50	80.30	37.12	76.16	36.75	74.50	36.37	
	-7	-7.6	105.27	41.51	104.31	41.13	96.58	38.44	93.68	38.05	88.85	37.67	86.92	37.28	
	-5	-5.6	112.79	43.20	111.76	42.80	103.48	40.00	100.37	39.60	95.20	39.20	93.13	38.80	
	-3	-3.7	120.31	45.56	119.21	45.14	110.38	42.18	107.06	41.76	101.55	41.34	99.34	40.92	
	0	-0.7	132.34	44.55	131.13	44.13	121.41	41.25	117.77	40.83	111.70	40.42	109.27	40.01	
	3	2.2	142.87	40.50	141.56	40.12	131.07	37.50	127.14	37.12	120.59	36.75	117.96	36.37	
	5	4.1	145.88	38.81	144.54	38.45	133.83	35.94	129.82	35.58	123.12	35.22	120.45	34.86	
	7	6	150.39	33.75	149.01	33.44	137.97	31.25	133.83	30.94	126.93	30.62	124.17	30.31	
	9	7.9	153.40	33.41	151.99	33.10	140.73	30.94	136.51	30.63	129.47	30.32	126.66	30.01	
	11	9.8	153.40	33.07	151.99	32.77	140.73	30.62	136.51	30.32	129.47	30.01	126.66	29.70	
	13	11.8	153.40	32.90	151.99	32.60	140.73	30.47	136.51	30.16	129.47	29.86	126.66	29.55	
	15	13.7	153.40	32.74	151.99	32.43	140.73	30.31	136.51	30.01	129.47	29.70	126.66	29.40	
19	14.2	154.80	32.57	151.99	32.27	140.73	30.15	136.51	29.85	129.47	29.55	126.66	29.25		
21	15	154.80	32.40	151.99	32.10	140.73	30.00	136.51	29.70	129.47	29.40	126.66	29.10		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT072S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	47.69	37.50	47.26	37.16	43.76	34.73	42.44	34.38	40.26	34.03	39.38	33.68	
	-18.80	-19.00	51.56	38.39	51.09	38.03	47.30	35.54	45.88	35.19	43.52	34.83	42.57	34.48	
	-14.7	-15	58.01	39.98	57.47	39.61	53.22	37.02	51.62	36.65	48.96	36.28	47.90	35.91	
	-12.6	-13	64.45	40.33	63.86	39.96	59.13	37.35	57.36	36.97	54.40	36.60	53.22	36.23	
	-10.5	-11	69.61	40.69	68.97	40.31	63.86	37.67	61.94	37.30	58.75	36.92	57.47	36.54	
	-9.5	-10	73.47	41.40	72.80	41.01	67.41	38.33	65.39	37.95	62.02	37.56	60.67	37.18	
	-8.5	-9.1	77.34	42.46	76.63	42.06	70.96	39.31	68.83	38.92	65.28	38.53	63.86	38.13	
	-7	-7.6	90.23	43.52	89.40	43.12	82.78	40.29	80.30	39.89	76.16	39.49	74.50	39.09	
	-5	-5.6	96.68	45.29	95.79	44.87	88.69	41.93	86.03	41.51	81.60	41.09	79.83	40.67	
	-3	-3.7	103.12	47.76	102.18	47.32	94.61	44.23	91.77	43.78	87.04	43.34	85.15	42.90	
	0	-0.7	113.43	46.70	112.39	46.27	104.07	43.24	100.95	42.81	95.74	42.38	93.66	41.95	
	3	2.2	122.46	42.46	121.33	42.06	112.35	39.31	108.98	38.92	103.36	38.53	101.11	38.13	
	5	4.1	125.04	40.69	123.89	40.31	114.71	37.67	111.27	37.30	105.54	36.92	103.24	36.54	
	7	6	128.90	35.38	127.72	35.05	118.26	32.76	114.71	32.43	108.80	32.10	106.43	31.78	
	9	7.9	131.48	35.03	130.28	34.70	120.63	32.43	117.01	32.11	110.98	31.78	108.56	31.46	
	11	9.8	131.48	34.67	130.28	34.35	120.63	32.10	117.01	31.78	110.98	31.46	108.56	31.14	
	13	11.8	131.48	34.50	130.28	34.18	120.63	31.94	117.01	31.62	110.98	31.30	108.56	30.98	
15	13.7	131.48	34.32	130.28	34.00	120.63	31.78	117.01	31.46	110.98	31.14	108.56	30.82		
19	14.2	132.69	34.14	130.28	33.83	120.63	31.61	117.01	31.30	110.98	30.98	108.56	30.66		
21	15	132.69	33.97	130.28	33.65	120.63	31.45	117.01	31.14	110.98	30.82	108.56	30.51		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT074S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	95.84	56.97	94.96	56.44	87.93	52.75	85.29	52.22	80.89	51.69	79.13	51.16	
	-18.80	-19.00	103.61	58.31	102.66	57.77	95.06	53.99	92.20	53.45	87.45	52.91	85.55	52.37	
	-14.7	-15	116.56	60.73	115.49	60.17	106.94	56.23	103.73	55.67	98.38	55.11	96.24	54.54	
	-12.6	-13	129.51	61.27	128.33	60.70	118.82	56.73	115.26	56.16	109.31	55.59	106.94	55.03	
	-10.5	-11	139.87	61.80	138.59	61.23	128.33	57.23	124.48	56.65	118.06	56.08	115.49	55.51	
	-9.5	-10	147.65	62.88	146.29	62.30	135.45	58.22	131.39	57.64	124.62	57.06	121.91	56.47	
	-8.5	-9.1	155.42	64.49	153.99	63.89	142.58	59.71	138.31	59.12	131.18	58.52	128.33	57.92	
	-7	-7.6	181.32	66.10	179.66	65.49	166.35	61.21	161.36	60.59	153.04	59.98	149.71	59.37	
	-5	-5.6	194.27	68.79	192.49	68.15	178.23	63.69	172.88	63.06	163.97	62.42	160.41	61.78	
	-3	-3.7	207.22	72.55	205.32	71.88	190.11	67.18	184.41	66.51	174.90	65.83	171.10	65.16	
	0	-0.7	227.94	70.94	225.85	70.28	209.12	65.68	202.85	65.03	192.39	64.37	188.21	63.71	
	3	2.2	246.08	64.49	243.82	63.89	225.76	59.71	218.99	59.12	207.70	58.52	203.18	57.92	
	5	4.1	251.26	61.80	248.95	61.23	230.51	57.23	223.60	56.65	212.07	56.08	207.46	55.51	
	7	6	259.03	53.74	256.65	53.24	237.64	49.76	230.51	49.26	218.63	48.77	213.88	48.27	
	9	7.9	264.21	53.20	261.78	52.71	242.39	49.26	235.12	48.77	223.00	48.28	218.15	47.79	
	11	9.8	264.21	52.67	261.78	52.18	242.39	48.77	235.12	48.28	223.00	47.79	218.15	47.30	
	13	11.8	264.21	52.40	261.78	51.91	242.39	48.52	235.12	48.03	223.00	47.55	218.15	47.06	
	15	13.7	264.21	52.13	261.78	51.65	242.39	48.27	235.12	47.79	223.00	47.30	218.15	46.82	
19	14.2	266.63	51.86	261.78	51.38	242.39	48.02	235.12	47.54	223.00	47.06	218.15	46.58		
21	15	266.63	51.59	261.78	51.11	242.39	47.77	235.12	47.29	223.00	46.82	218.15	46.34		
120%	-22.90	-23.00	94.92	57.55	94.05	57.02	87.08	53.29	84.47	52.76	80.11	52.22	78.37	51.69	
	-18.80	-19.00	102.61	58.91	101.67	58.37	94.14	54.55	91.32	54.00	86.61	53.46	84.73	52.91	
	-14.7	-15	115.44	61.35	114.38	60.79	105.91	56.81	102.73	56.24	97.44	55.67	95.32	55.11	
	-12.6	-13	128.27	61.90	127.09	61.32	117.68	57.31	114.15	56.74	108.26	56.17	105.91	55.59	
	-10.5	-11	138.53	62.44	137.26	61.86	127.09	57.82	123.28	57.24	116.92	56.66	114.38	56.08	
	-9.5	-10	146.23	63.53	144.88	62.94	134.15	58.82	130.13	58.23	123.42	57.64	120.74	57.06	
	-8.5	-9.1	153.92	65.16	152.51	64.55	141.21	60.33	136.98	59.73	129.92	59.12	127.09	58.52	
	-7	-7.6	179.58	66.78	177.93	66.17	164.75	61.84	159.81	61.22	151.57	60.60	148.27	59.98	
	-5	-5.6	192.40	69.50	190.64	68.86	176.52	64.35	171.22	63.71	162.39	63.06	158.86	62.42	
	-3	-3.7	205.23	73.30	203.35	72.62	188.28	67.87	182.64	67.19	173.22	66.51	169.46	65.83	
	0	-0.7	225.75	71.67	223.68	71.01	207.11	66.36	200.90	65.70	190.54	65.03	186.40	64.37	
	3	2.2	243.71	65.16	241.47	64.55	223.59	60.33	216.88	59.73	205.70	59.12	201.23	58.52	
	5	4.1	248.84	62.44	246.56	61.86	228.29	57.82	221.45	57.24	210.03	56.66	205.46	56.08	
	7	6	256.54	54.30	254.18	53.79	235.35	50.27	228.29	49.77	216.53	49.27	211.82	48.77	
	9	7.9	261.67	53.75	259.27	53.26	240.06	49.77	232.86	49.27	220.86	48.78	216.06	48.28	
	11	9.8	261.67	53.21	259.27	52.72	240.06	49.27	232.86	48.78	220.86	48.28	216.06	47.79	
	13	11.8	261.67	52.94	259.27	52.45	240.06	49.02	232.86	48.53	220.86	48.04	216.06	47.55	
	15	13.7	261.67	52.67	259.27	52.18	240.06	48.77	232.86	48.28	220.86	47.79	216.06	47.30	
19	14.2	264.07	52.40	259.27	51.91	240.06	48.51	232.86	48.03	220.86	47.54	216.06	47.06		
21	15	264.07	52.12	259.27	51.64	240.06	48.26	232.86	47.78	220.86	47.30	216.06	46.82		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT074S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	93.08	58.14	92.22	57.60	85.39	53.83	82.83	53.30	78.56	52.76	76.85	52.22	
	-18.80	-19.00	100.62	59.51	99.70	58.96	92.31	55.10	89.54	54.55	84.93	54.00	83.08	53.45	
	-14.7	-15	113.20	61.98	112.16	61.41	103.85	57.39	100.74	56.82	95.54	56.24	93.47	55.67	
	-12.6	-13	125.78	62.53	124.62	61.95	115.39	57.90	111.93	57.32	106.16	56.74	103.85	56.16	
	-10.5	-11	135.84	63.08	134.59	62.49	124.62	58.41	120.89	57.82	114.65	57.24	112.16	56.65	
	-9.5	-10	143.39	64.17	142.07	63.58	131.55	59.42	127.60	58.83	121.02	58.23	118.39	57.64	
	-8.5	-9.1	150.93	65.82	149.55	65.21	138.47	60.94	134.32	60.33	127.39	59.73	124.62	59.12	
	-7	-7.6	176.09	67.47	174.47	66.84	161.55	62.47	156.70	61.84	148.63	61.22	145.39	60.59	
	-5	-5.6	188.67	70.21	186.94	69.56	173.09	65.01	167.90	64.36	159.24	63.71	155.78	63.06	
	-3	-3.7	201.24	74.05	199.40	73.36	184.63	68.56	179.09	67.88	169.86	67.19	166.17	66.51	
	0	-0.7	221.37	72.40	219.34	71.73	203.09	67.04	197.00	66.37	186.84	65.70	182.78	65.03	
	3	2.2	238.98	65.82	236.79	65.21	219.25	60.94	212.67	60.33	201.71	59.73	197.32	59.12	
	5	4.1	244.01	63.08	241.77	62.49	223.86	58.41	217.15	57.82	205.95	57.24	201.48	56.65	
	7	6	251.56	54.85	249.25	54.34	230.78	50.79	223.86	50.28	212.32	49.77	207.71	49.26	
	9	7.9	256.59	54.30	254.23	53.80	235.40	50.28	228.34	49.78	216.57	49.27	211.86	48.77	
	11	9.8	256.59	53.75	254.23	53.26	235.40	49.77	228.34	49.27	216.57	48.78	211.86	48.28	
	13	11.8	256.59	53.48	254.23	52.98	235.40	49.52	228.34	49.02	216.57	48.53	211.86	48.03	
	15	13.7	256.59	53.20	254.23	52.71	235.40	49.26	228.34	48.77	216.57	48.28	211.86	47.79	
19	14.2	258.94	52.93	254.23	52.44	235.40	49.01	228.34	48.52	216.57	48.03	211.86	47.54		
21	15	258.94	52.66	254.23	52.17	235.40	48.76	228.34	48.27	216.57	47.78	211.86	47.29		
100%	-22.90	-23.00	92.15	58.73	91.31	58.18	84.54	54.38	82.01	53.83	77.78	53.29	76.09	52.75	
	-18.80	-19.00	99.63	60.11	98.71	59.56	91.40	55.66	88.66	55.10	84.09	54.55	82.26	53.99	
	-14.7	-15	112.08	62.61	111.05	62.03	102.82	57.97	99.74	57.39	94.60	56.81	92.54	56.23	
	-12.6	-13	124.53	63.16	123.39	62.58	114.25	58.48	110.82	57.90	105.11	57.31	102.82	56.73	
	-10.5	-11	134.50	63.71	133.26	63.12	123.39	59.00	119.69	58.41	113.52	57.82	111.05	57.23	
	-9.5	-10	141.97	64.82	140.66	64.22	130.24	60.02	126.34	59.42	119.83	58.82	117.22	58.22	
	-8.5	-9.1	149.44	66.48	148.07	65.87	137.10	61.56	132.99	60.94	126.13	60.33	123.39	59.71	
	-7	-7.6	174.35	68.15	172.75	67.52	159.95	63.10	155.15	62.47	147.15	61.84	143.95	61.21	
	-5	-5.6	186.80	70.92	185.08	70.26	171.37	65.66	166.23	65.01	157.66	64.35	154.24	63.69	
	-3	-3.7	199.25	74.80	197.42	74.10	182.80	69.26	177.32	68.56	168.18	67.87	164.52	67.18	
	0	-0.7	219.18	73.13	217.17	72.46	201.08	67.72	195.05	67.04	184.99	66.36	180.97	65.68	
	3	2.2	236.61	66.48	234.44	65.87	217.07	61.56	210.56	60.94	199.71	60.33	195.37	59.71	
	5	4.1	241.59	63.71	239.38	63.12	221.64	59.00	215.00	58.41	203.91	57.82	199.48	57.23	
	7	6	249.06	55.40	246.78	54.89	228.50	51.30	221.64	50.79	210.22	50.27	205.65	49.76	
	9	7.9	254.05	54.85	251.72	54.34	233.07	50.79	226.08	50.28	214.42	49.77	209.76	49.26	
	11	9.8	254.05	54.30	251.72	53.79	233.07	50.27	226.08	49.77	214.42	49.27	209.76	48.77	
	13	11.8	254.05	54.02	251.72	53.52	233.07	50.02	226.08	49.52	214.42	49.02	209.76	48.52	
	15	13.7	254.05	53.74	251.72	53.24	233.07	49.76	226.08	49.26	214.42	48.77	209.76	48.27	
19	14.2	256.38	53.46	251.72	52.97	233.07	49.50	226.08	49.01	214.42	48.51	209.76	48.02		
21	15	256.38	53.19	251.72	52.70	233.07	49.25	226.08	48.76	214.42	48.26	209.76	47.77		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT074S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	84.78	53.44	84.00	52.95	77.78	49.48	75.45	48.99	71.56	48.49	70.00	48.00	
	-18.80	-19.00	91.66	54.70	90.82	54.20	84.09	50.65	81.57	50.14	77.36	49.64	75.68	49.13	
	-14.7	-15	103.11	56.97	102.17	56.44	94.60	52.75	91.76	52.22	87.03	51.70	85.14	51.17	
	-12.6	-13	114.57	57.48	113.52	56.94	105.11	53.22	101.96	52.69	96.70	52.15	94.60	51.62	
	-10.5	-11	123.74	57.98	122.60	57.44	113.52	53.69	110.11	53.15	104.44	52.61	102.17	52.07	
	-9.5	-10	130.61	58.99	129.41	58.44	119.83	54.62	116.23	54.07	110.24	53.53	107.84	52.98	
	-8.5	-9.1	137.48	60.50	136.22	59.94	126.13	56.02	122.35	55.46	116.04	54.90	113.52	54.34	
	-7	-7.6	160.40	62.01	158.93	61.44	147.15	57.42	142.74	56.85	135.38	56.27	132.44	55.70	
	-5	-5.6	171.85	64.53	170.28	63.94	157.66	59.75	152.94	59.16	145.05	58.56	141.90	57.96	
	-3	-3.7	183.31	68.06	181.63	67.43	168.18	63.02	163.13	62.39	154.72	61.76	151.36	61.13	
	0	-0.7	201.64	66.55	199.79	65.94	184.99	61.62	179.44	61.01	170.19	60.39	166.49	59.77	
	3	2.2	217.68	60.50	215.69	59.94	199.71	56.02	193.72	55.46	183.73	54.90	179.74	54.34	
	5	4.1	222.27	57.98	220.23	57.44	203.91	53.69	197.80	53.15	187.60	52.61	183.52	52.07	
	7	6	229.14	50.42	227.04	49.95	210.22	46.68	203.91	46.22	193.40	45.75	189.20	45.28	
	9	7.9	233.72	49.91	231.58	49.45	214.42	46.22	207.99	45.75	197.27	45.29	192.98	44.83	
	11	9.8	233.72	49.41	231.58	48.95	214.42	45.75	207.99	45.29	197.27	44.83	192.98	44.38	
	13	11.8	233.72	49.16	231.58	48.70	214.42	45.52	207.99	45.06	197.27	44.61	192.98	44.15	
	15	13.7	233.72	48.91	231.58	48.45	214.42	45.28	207.99	44.83	197.27	44.38	192.98	43.92	
19	14.2	235.87	48.65	231.58	48.20	214.42	45.05	207.99	44.60	197.27	44.15	192.98	43.70		
21	15	235.87	48.40	231.58	47.95	214.42	44.82	207.99	44.37	197.27	43.92	192.98	43.47		
80%	-22.90	-23.00	74.64	43.29	73.96	42.89	68.48	40.08	66.43	39.68	63.00	39.28	61.63	38.88	
	-18.80	-19.00	80.70	44.31	79.96	43.90	74.03	41.03	71.81	40.62	68.11	40.21	66.63	39.80	
	-14.7	-15	90.78	46.15	89.95	45.72	83.29	42.73	80.79	42.30	76.63	41.87	74.96	41.45	
	-12.6	-13	100.87	46.56	99.95	46.12	92.54	43.11	89.77	42.68	85.14	42.24	83.29	41.81	
	-10.5	-11	108.94	46.96	107.94	46.53	99.95	43.49	96.95	43.05	91.95	42.62	89.95	42.18	
	-9.5	-10	114.99	47.78	113.94	47.34	105.50	44.24	102.33	43.80	97.06	43.36	94.95	42.91	
	-8.5	-9.1	121.05	49.01	119.94	48.55	111.05	45.38	107.72	44.92	102.17	44.47	99.95	44.01	
	-7	-7.6	141.22	50.23	139.92	49.77	129.56	46.51	125.67	46.05	119.19	45.58	116.60	45.11	
	-5	-5.6	151.31	52.27	149.92	51.79	138.81	48.40	134.65	47.92	127.71	47.43	124.93	46.95	
	-3	-3.7	161.39	55.13	159.91	54.62	148.07	51.05	143.63	50.54	136.22	50.03	133.26	49.52	
	0	-0.7	177.53	53.91	175.90	53.41	162.87	49.91	157.99	49.41	149.84	48.92	146.59	48.42	
	3	2.2	191.66	49.01	189.90	48.55	175.83	45.38	170.56	44.92	161.76	44.47	158.25	44.01	
	5	4.1	195.69	46.96	193.90	46.53	179.53	43.49	174.15	43.05	165.17	42.62	161.58	42.18	
	7	6	201.74	40.84	199.89	40.46	185.08	37.81	179.53	37.44	170.28	37.06	166.58	36.68	
	9	7.9	205.78	40.43	203.89	40.06	188.79	37.44	183.12	37.06	173.68	36.69	169.91	36.31	
	11	9.8	205.78	40.02	203.89	39.65	188.79	37.06	183.12	36.69	173.68	36.32	169.91	35.95	
	13	11.8	205.78	39.82	203.89	39.45	188.79	36.87	183.12	36.50	173.68	36.13	169.91	35.76	
	15	13.7	205.78	39.61	203.89	39.25	188.79	36.68	183.12	36.31	173.68	35.95	169.91	35.58	
19	14.2	207.67	39.41	203.89	39.04	188.79	36.49	183.12	36.12	173.68	35.76	169.91	35.40		
21	15	207.67	39.20	203.89	38.84	188.79	36.30	183.12	35.94	173.68	35.57	169.91	35.21		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT074S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	64.51	41.11	63.92	40.73	59.18	38.06	57.41	37.68	54.45	37.30	53.26	36.92	
	-18.80	-19.00	69.74	42.08	69.10	41.69	63.98	38.96	62.06	38.57	58.86	38.18	57.58	37.79	
	-14.7	-15	78.46	43.82	77.74	43.42	71.98	40.58	69.82	40.17	66.22	39.77	64.78	39.36	
	-12.6	-13	87.17	44.21	86.37	43.80	79.97	40.94	77.58	40.53	73.58	40.12	71.98	39.71	
	-10.5	-11	94.15	44.60	93.28	44.19	86.37	41.30	83.78	40.88	79.46	40.47	77.74	40.06	
	-9.5	-10	99.38	45.38	98.47	44.96	91.17	42.01	88.44	41.59	83.88	41.17	82.05	40.75	
	-8.5	-9.1	104.61	46.54	103.65	46.11	95.97	43.09	93.09	42.66	88.29	42.23	86.37	41.80	
	-7	-7.6	122.04	47.70	120.92	47.26	111.96	44.17	108.61	43.73	103.01	43.29	100.77	42.84	
	-5	-5.6	130.76	49.64	129.56	49.18	119.96	45.96	116.36	45.51	110.37	45.05	107.97	44.59	
	-3	-3.7	139.48	52.36	138.20	51.87	127.96	48.48	124.12	47.99	117.72	47.51	115.16	47.02	
	0	-0.7	153.42	51.19	152.02	50.72	140.76	47.40	136.53	46.93	129.50	46.45	126.68	45.98	
	3	2.2	165.63	46.54	164.11	46.11	151.95	43.09	147.39	42.66	139.80	42.23	136.76	41.80	
	5	4.1	169.12	44.60	167.56	44.19	155.15	41.30	150.50	40.88	142.74	40.47	139.64	40.06	
	7	6	174.35	38.78	172.75	38.42	159.95	35.91	155.15	35.55	147.15	35.19	143.95	34.83	
	9	7.9	177.83	38.39	176.20	38.04	163.15	35.55	158.25	35.20	150.10	34.84	146.83	34.48	
	11	9.8	177.83	38.01	176.20	37.66	163.15	35.19	158.25	34.84	150.10	34.49	146.83	34.14	
	13	11.8	177.83	37.81	176.20	37.46	163.15	35.01	158.25	34.66	150.10	34.31	146.83	33.96	
	15	13.7	177.83	37.62	176.20	37.27	163.15	34.83	158.25	34.48	150.10	34.14	146.83	33.79	
19	14.2	179.46	37.43	176.20	37.08	163.15	34.65	158.25	34.31	150.10	33.96	146.83	33.61		
21	15	179.46	37.23	176.20	36.89	163.15	34.47	158.25	34.13	150.10	33.78	146.83	33.44		
60%	-22.90	-23.00	58.06	36.41	57.52	36.07	53.26	33.71	51.67	33.38	49.00	33.04	47.94	32.70	
	-18.80	-19.00	62.76	37.27	62.19	36.93	57.58	34.51	55.85	34.16	52.98	33.82	51.82	33.47	
	-14.7	-15	70.61	38.82	69.96	38.46	64.78	35.94	62.84	35.58	59.60	35.22	58.30	34.86	
	-12.6	-13	78.46	39.16	77.74	38.80	71.98	36.26	69.82	35.90	66.22	35.53	64.78	35.17	
	-10.5	-11	84.73	39.50	83.95	39.14	77.74	36.58	75.40	36.21	71.52	35.85	69.96	35.48	
	-9.5	-10	89.44	40.19	88.62	39.82	82.05	37.21	79.59	36.84	75.49	36.47	73.85	36.10	
	-8.5	-9.1	94.15	41.22	93.28	40.84	86.37	38.17	83.78	37.79	79.46	37.40	77.74	37.02	
	-7	-7.6	109.84	42.25	108.83	41.86	100.77	39.12	97.75	38.73	92.71	38.34	90.69	37.95	
	-5	-5.6	117.68	43.97	116.60	43.56	107.97	40.71	104.73	40.30	99.33	39.90	97.17	39.49	
	-3	-3.7	125.53	46.37	124.38	45.94	115.16	42.94	111.71	42.51	105.95	42.08	103.65	41.65	
	0	-0.7	138.08	45.34	136.81	44.92	126.68	41.98	122.88	41.56	116.55	41.14	114.01	40.72	
	3	2.2	149.07	41.22	147.70	40.84	136.76	38.17	132.65	37.79	125.82	37.40	123.08	37.02	
	5	4.1	152.20	39.50	150.81	39.14	139.64	36.58	135.45	36.21	128.47	35.85	125.67	35.48	
	7	6	156.91	34.35	155.47	34.03	143.95	31.81	139.64	31.49	132.44	31.17	129.56	30.85	
	9	7.9	160.05	34.01	158.58	33.69	146.83	31.49	142.43	31.17	135.09	30.86	132.15	30.54	
	11	9.8	160.05	33.66	158.58	33.35	146.83	31.17	142.43	30.86	135.09	30.55	132.15	30.23	
	13	11.8	160.05	33.49	158.58	33.18	146.83	31.01	142.43	30.70	135.09	30.39	132.15	30.08	
	15	13.7	160.05	33.32	158.58	33.01	146.83	30.85	142.43	30.54	135.09	30.23	132.15	29.93	
19	14.2	161.52	33.15	158.58	32.84	146.83	30.69	142.43	30.39	135.09	30.08	132.15	29.77		
21	15	161.52	32.98	158.58	32.67	146.83	30.53	142.43	30.23	135.09	29.92	132.15	29.62		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT074S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	49.76	38.17	49.31	37.82	45.65	35.35	44.28	34.99	42.00	34.64	41.09	34.29	
	-18.80	-19.00	53.80	39.07	53.30	38.71	49.36	36.18	47.88	35.82	45.41	35.46	44.42	35.09	
	-14.7	-15	60.52	40.69	59.97	40.32	55.53	37.68	53.86	37.30	51.08	36.93	49.97	36.55	
	-12.6	-13	67.25	41.05	66.63	40.67	61.69	38.01	59.84	37.63	56.76	37.25	55.53	36.87	
	-10.5	-11	72.63	41.41	71.96	41.03	66.63	38.35	64.63	37.96	61.30	37.58	59.97	37.20	
	-9.5	-10	76.66	42.13	75.96	41.74	70.33	39.01	68.22	38.62	64.71	38.23	63.30	37.84	
	-8.5	-9.1	80.70	43.22	79.96	42.81	74.03	40.01	71.81	39.61	68.11	39.21	66.63	38.81	
	-7	-7.6	94.15	44.30	93.28	43.89	86.37	41.01	83.78	40.60	79.46	40.19	77.74	39.78	
	-5	-5.6	100.87	46.10	99.95	45.67	92.54	42.68	89.77	42.25	85.14	41.83	83.29	41.40	
	-3	-3.7	107.60	48.62	106.61	48.17	98.71	45.02	95.75	44.57	90.82	44.12	88.84	43.67	
	0	-0.7	118.36	47.54	117.27	47.10	108.58	44.02	105.33	43.58	99.90	43.14	97.72	42.69	
	3	2.2	127.77	43.22	126.60	42.81	117.22	40.01	113.70	39.61	107.84	39.21	105.50	38.81	
	5	4.1	130.46	41.41	129.26	41.03	119.69	38.35	116.10	37.96	110.11	37.58	107.72	37.20	
	7	6	134.50	36.01	133.26	35.68	123.39	33.35	119.69	33.01	113.52	32.68	111.05	32.34	
	9	7.9	137.18	35.65	135.93	35.32	125.86	33.01	122.08	32.68	115.79	32.35	113.27	32.02	
	11	9.8	137.18	35.29	135.93	34.97	125.86	32.68	122.08	32.35	115.79	32.02	113.27	31.70	
	13	11.8	137.18	35.11	135.93	34.79	125.86	32.51	122.08	32.19	115.79	31.86	113.27	31.54	
15	13.7	137.18	34.93	135.93	34.61	125.86	32.34	122.08	32.02	115.79	31.70	113.27	31.37		
19	14.2	138.44	34.75	135.93	34.43	125.86	32.18	122.08	31.86	115.79	31.53	113.27	31.21		
21	15	138.44	34.57	135.93	34.25	125.86	32.01	122.08	31.69	115.79	31.37	113.27	31.05		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT076S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	99.82	57.97	98.91	57.43	91.58	53.67	88.83	53.14	84.26	52.60	82.42	52.06	
	-18.80	-19.00	107.92	59.33	106.93	58.78	99.01	54.94	96.04	54.39	91.09	53.84	89.11	53.29	
	-14.7	-15	121.41	61.79	120.29	61.22	111.38	57.22	108.04	56.64	102.47	56.07	100.25	55.50	
	-12.6	-13	134.90	62.34	133.66	61.76	123.76	57.72	120.05	57.15	113.86	56.57	111.38	55.99	
	-10.5	-11	145.69	62.89	144.35	62.31	133.66	58.23	129.65	57.65	122.97	57.06	120.29	56.48	
	-9.5	-10	153.78	63.98	152.37	63.39	141.09	59.24	136.85	58.65	129.80	58.06	126.98	57.46	
	-8.5	-9.1	161.88	65.62	160.39	65.01	148.51	60.76	144.06	60.15	136.63	59.55	133.66	58.94	
	-7	-7.6	188.86	67.26	187.13	66.64	173.26	62.28	168.07	61.66	159.40	61.03	155.94	60.41	
	-5	-5.6	202.35	70.00	200.49	69.35	185.64	64.81	180.07	64.16	170.79	63.52	167.08	62.87	
	-3	-3.7	215.84	73.82	213.86	73.14	198.02	68.36	192.08	67.67	182.17	66.99	178.21	66.31	
	0	-0.7	237.42	72.18	235.24	71.52	217.82	66.84	211.28	66.17	200.39	65.50	196.04	64.83	
	3	2.2	256.31	65.62	253.96	65.01	235.14	60.76	228.09	60.15	216.33	59.55	211.63	58.94	
	5	4.1	261.70	62.89	259.30	62.31	240.09	58.23	232.89	57.65	220.89	57.06	216.08	56.48	
	7	6	269.80	54.68	267.32	54.18	247.52	50.63	240.09	50.13	227.72	49.62	222.77	49.11	
	9	7.9	275.19	54.14	272.67	53.64	252.47	50.13	244.90	49.63	232.27	49.13	227.22	48.62	
	11	9.8	275.19	53.59	272.67	53.09	252.47	49.62	244.90	49.13	232.27	48.63	227.22	48.13	
	13	11.8	275.19	53.32	272.67	52.82	252.47	49.37	244.90	48.87	232.27	48.38	227.22	47.89	
	15	13.7	275.19	53.04	272.67	52.55	252.47	49.11	244.90	48.62	232.27	48.13	227.22	47.64	
19	14.2	277.72	52.77	272.67	52.28	252.47	48.86	244.90	48.37	232.27	47.88	227.22	47.40		
21	15	277.72	52.50	272.67	52.01	252.47	48.61	244.90	48.12	232.27	47.64	227.22	47.15		
120%	-22.90	-23.00	98.86	58.56	97.96	58.02	90.70	54.23	87.98	53.68	83.45	53.14	81.63	52.60	
	-18.80	-19.00	106.88	59.94	105.90	59.39	98.06	55.50	95.11	54.95	90.21	54.39	88.25	53.84	
	-14.7	-15	120.24	62.43	119.14	61.85	110.31	57.81	107.00	57.23	101.49	56.65	99.28	56.07	
	-12.6	-13	133.60	62.98	132.38	62.40	122.57	58.32	118.89	57.73	112.76	57.15	110.31	56.57	
	-10.5	-11	144.29	63.54	142.97	62.95	132.38	58.83	128.40	58.24	121.79	57.65	119.14	57.06	
	-9.5	-10	152.31	64.64	150.91	64.04	139.73	59.85	135.54	59.25	128.55	58.66	125.76	58.06	
	-8.5	-9.1	160.32	66.30	158.85	65.68	147.08	61.39	142.67	60.77	135.32	60.16	132.38	59.55	
	-7	-7.6	187.04	67.96	185.33	67.33	171.60	62.92	166.45	62.29	157.87	61.66	154.44	61.03	
	-5	-5.6	200.40	70.72	198.56	70.06	183.85	65.48	178.34	64.82	169.15	64.17	165.47	63.52	
	-3	-3.7	213.76	74.59	211.80	73.89	196.11	69.06	190.23	68.37	180.42	67.68	176.50	66.99	
	0	-0.7	235.14	72.93	232.98	72.25	215.72	67.53	209.25	66.85	198.47	66.18	194.15	65.50	
	3	2.2	253.84	66.30	251.51	65.68	232.88	61.39	225.90	60.77	214.25	60.16	209.59	59.55	
	5	4.1	259.19	63.54	256.81	62.95	237.79	58.83	230.65	58.24	218.76	57.65	214.01	57.06	
	7	6	267.20	55.25	264.75	54.74	245.14	51.16	237.79	50.64	225.53	50.13	220.63	49.62	
	9	7.9	272.55	54.70	270.05	54.19	250.04	50.64	242.54	50.14	230.04	49.63	225.04	49.13	
	11	9.8	272.55	54.14	270.05	53.64	250.04	50.13	242.54	49.63	230.04	49.13	225.04	48.63	
	13	11.8	272.55	53.87	270.05	53.37	250.04	49.88	242.54	49.38	230.04	48.88	225.04	48.38	
	15	13.7	272.55	53.59	270.05	53.09	250.04	49.62	242.54	49.13	230.04	48.63	225.04	48.13	
19	14.2	275.05	53.31	270.05	52.82	250.04	49.37	242.54	48.87	230.04	48.38	225.04	47.88		
21	15	275.05	53.04	270.05	52.55	250.04	49.11	242.54	48.62	230.04	48.13	225.04	47.64		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT076S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	96.95	59.16	96.06	58.61	88.94	54.78	86.27	54.23	81.83	53.68	80.05	53.14	
	-18.80	-19.00	104.81	60.56	103.84	60.00	96.15	56.07	93.27	55.51	88.46	54.95	86.54	54.39	
	-14.7	-15	117.91	63.07	116.82	62.48	108.17	58.40	104.93	57.81	99.52	57.23	97.35	56.64	
	-12.6	-13	131.01	63.63	129.81	63.04	120.19	58.91	116.58	58.32	110.57	57.73	108.17	57.15	
	-10.5	-11	141.49	64.18	140.19	63.59	129.81	59.43	125.91	58.84	119.42	58.24	116.82	57.65	
	-9.5	-10	149.35	65.30	147.98	64.70	137.02	60.46	132.91	59.86	126.06	59.25	123.31	58.65	
	-8.5	-9.1	157.21	66.97	155.77	66.35	144.23	62.01	139.90	61.39	132.69	60.77	129.81	60.15	
	-7	-7.6	183.41	68.65	181.73	68.01	168.27	63.56	163.22	62.93	154.80	62.29	151.44	61.66	
	-5	-5.6	196.51	71.44	194.71	70.78	180.28	66.15	174.88	65.49	165.86	64.82	162.26	64.16	
	-3	-3.7	209.61	75.35	207.69	74.65	192.30	69.77	186.53	69.07	176.92	68.37	173.07	67.67	
	0	-0.7	230.57	73.67	228.46	72.99	211.53	68.21	205.19	67.53	194.61	66.85	190.38	66.17	
	3	2.2	248.91	66.97	246.63	66.35	228.36	62.01	221.51	61.39	210.09	60.77	205.52	60.15	
	5	4.1	254.15	64.18	251.82	63.59	233.17	59.43	226.17	58.84	214.52	58.24	209.85	57.65	
	7	6	262.01	55.81	259.61	55.30	240.38	51.68	233.17	51.16	221.15	50.64	216.34	50.13	
	9	7.9	267.25	55.25	264.80	54.74	245.19	51.16	237.83	50.65	225.57	50.14	220.67	49.63	
	11	9.8	267.25	54.70	264.80	54.19	245.19	50.64	237.83	50.14	225.57	49.63	220.67	49.13	
	13	11.8	267.25	54.42	264.80	53.91	245.19	50.39	237.83	49.88	225.57	49.38	220.67	48.87	
	15	13.7	267.25	54.14	264.80	53.64	245.19	50.13	237.83	49.63	225.57	49.13	220.67	48.62	
19	14.2	269.71	53.86	264.80	53.36	245.19	49.87	237.83	49.37	225.57	48.87	220.67	48.37		
21	15	269.71	53.58	264.80	53.08	245.19	49.61	237.83	49.11	225.57	48.62	220.67	48.12		
100%	-22.90	-23.00	95.99	59.76	95.10	59.21	88.06	55.33	85.42	54.78	81.02	54.23	79.25	53.67	
	-18.80	-19.00	103.77	61.17	102.82	60.60	95.20	56.64	92.34	56.07	87.58	55.50	85.68	54.94	
	-14.7	-15	116.74	63.70	115.67	63.12	107.10	58.99	103.89	58.40	98.53	57.81	96.39	57.22	
	-12.6	-13	129.71	64.27	128.52	63.67	119.00	59.51	115.43	58.91	109.48	58.32	107.10	57.72	
	-10.5	-11	140.09	64.83	138.80	64.23	128.52	60.03	124.66	59.43	118.24	58.83	115.67	58.23	
	-9.5	-10	147.87	65.96	146.51	65.35	135.66	61.07	131.59	60.46	124.81	59.85	122.09	59.24	
	-8.5	-9.1	155.65	67.65	154.22	67.02	142.80	62.64	138.52	62.01	131.38	61.39	128.52	60.76	
	-7	-7.6	181.59	69.34	179.93	68.70	166.60	64.21	161.60	63.56	153.27	62.92	149.94	62.28	
	-5	-5.6	194.56	72.16	192.78	71.49	178.50	66.82	173.14	66.15	164.22	65.48	160.65	64.81	
	-3	-3.7	207.54	76.11	205.63	75.40	190.40	70.47	184.69	69.77	175.17	69.06	171.36	68.36	
	0	-0.7	228.29	74.42	226.20	73.73	209.44	68.90	203.16	68.21	192.68	67.53	188.50	66.84	
	3	2.2	246.45	67.65	244.19	67.02	226.10	62.64	219.32	62.01	208.01	61.39	203.49	60.76	
	5	4.1	251.64	64.83	249.33	64.23	230.86	60.03	223.93	59.43	212.39	58.83	207.77	58.23	
	7	6	259.42	56.38	257.04	55.85	238.00	52.20	230.86	51.68	218.96	51.16	214.20	50.63	
	9	7.9	264.61	55.81	262.18	55.30	242.76	51.68	235.48	51.16	218.34	50.64	218.48	50.13	
	11	9.8	264.61	55.25	262.18	54.74	242.76	51.16	235.48	50.64	223.34	50.13	218.48	49.62	
	13	11.8	264.61	54.97	262.18	54.46	242.76	50.90	235.48	50.39	223.34	49.88	218.48	49.37	
	15	13.7	264.61	54.68	262.18	54.18	242.76	50.63	235.48	50.13	223.34	49.62	218.48	49.11	
19	14.2	267.04	54.40	262.18	53.90	242.76	50.37	235.48	49.87	223.34	49.37	218.48	48.86		
21	15	267.04	54.12	262.18	53.62	242.76	50.11	235.48	49.61	223.34	49.11	218.48	48.61		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT076S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	88.31	54.38	87.50	53.88	81.02	50.35	78.58	49.85	74.53	49.35	72.91	48.84	
	-18.80	-19.00	95.47	55.66	94.59	55.15	87.58	51.54	84.96	51.02	80.58	50.51	78.83	49.99	
	-14.7	-15	107.40	57.97	106.41	57.43	98.53	53.68	95.58	53.14	90.65	52.60	88.68	52.07	
	-12.6	-13	119.33	58.48	118.24	57.94	109.48	54.15	106.20	53.61	100.72	53.07	98.53	52.53	
	-10.5	-11	128.88	59.00	127.70	58.45	118.24	54.63	114.69	54.08	108.78	53.53	106.41	52.99	
	-9.5	-10	136.04	60.02	134.79	59.47	124.81	55.58	121.06	55.02	114.82	54.47	112.33	53.91	
	-8.5	-9.1	143.20	61.56	141.89	60.99	131.38	57.00	127.43	56.43	120.87	55.86	118.24	55.29	
	-7	-7.6	167.07	63.10	165.53	62.52	153.27	58.43	148.67	57.84	141.01	57.26	137.94	56.67	
	-5	-5.6	179.00	65.67	177.36	65.06	164.22	60.80	159.29	60.19	151.08	59.59	147.80	58.98	
	-3	-3.7	190.93	69.26	189.18	68.62	175.17	64.13	169.91	63.49	161.15	62.85	157.65	62.20	
	0	-0.7	210.03	67.72	208.10	67.09	192.68	62.70	186.90	62.08	177.27	61.45	173.42	60.82	
	3	2.2	226.73	61.56	224.65	60.99	208.01	57.00	201.77	56.43	191.37	55.86	187.21	55.29	
	5	4.1	231.51	59.00	229.38	58.45	212.39	54.63	206.02	54.08	195.40	53.53	191.15	52.99	
	7	6	238.67	51.30	236.48	50.83	218.96	47.50	212.39	47.03	201.44	46.55	197.06	46.08	
	9	7.9	243.44	50.79	241.21	50.32	223.34	47.03	216.64	46.56	205.47	46.09	201.01	45.62	
	11	9.8	243.44	50.28	241.21	49.81	223.34	46.55	216.64	46.09	205.47	45.62	201.01	45.16	
	13	11.8	243.44	50.02	241.21	49.56	223.34	46.31	216.64	45.85	205.47	45.39	201.01	44.93	
	15	13.7	243.44	49.76	241.21	49.30	223.34	46.08	216.64	45.62	205.47	45.16	201.01	44.69	
19	14.2	245.67	49.51	241.21	49.05	223.34	45.84	216.64	45.38	205.47	44.92	201.01	44.46		
21	15	245.67	49.25	241.21	48.79	223.34	45.60	216.64	45.15	205.47	44.69	201.01	44.23		
80%	-22.90	-23.00	77.75	44.05	77.03	43.64	71.33	40.79	69.19	40.38	65.62	39.97	64.20	39.56	
	-18.80	-19.00	84.05	45.09	83.28	44.67	77.11	41.75	74.80	41.33	70.94	40.91	69.40	40.49	
	-14.7	-15	94.56	46.96	93.69	46.52	86.75	43.48	84.15	43.04	79.81	42.61	78.08	42.17	
	-12.6	-13	105.07	47.37	104.10	46.93	96.39	43.86	93.50	43.42	88.68	42.99	86.75	42.55	
	-10.5	-11	113.47	47.79	112.43	47.35	104.10	44.25	100.98	43.81	95.77	43.36	93.69	42.92	
	-9.5	-10	119.77	48.62	118.68	48.17	109.88	45.02	106.59	44.57	101.09	44.12	98.90	43.67	
	-8.5	-9.1	126.08	49.87	124.92	49.40	115.67	46.17	112.20	45.71	106.41	45.25	104.10	44.79	
	-7	-7.6	147.09	51.11	145.74	50.64	134.95	47.33	130.90	46.85	124.15	46.38	121.45	45.91	
	-5	-5.6	157.60	53.19	156.15	52.70	144.58	49.25	140.25	48.76	133.02	48.27	130.13	47.77	
	-3	-3.7	168.10	56.10	166.56	55.58	154.22	51.94	149.60	51.42	141.89	50.90	138.80	50.39	
	0	-0.7	184.91	54.85	183.22	54.34	169.65	50.79	164.56	50.28	156.07	49.77	152.68	49.27	
	3	2.2	199.62	49.87	197.79	49.40	183.14	46.17	177.65	45.71	168.49	45.25	164.83	44.79	
	5	4.1	203.83	47.79	201.96	47.35	187.00	44.25	181.39	43.81	172.04	43.36	168.30	42.92	
	7	6	210.13	41.55	208.20	41.17	192.78	38.48	187.00	38.09	177.36	37.71	173.50	37.32	
	9	7.9	214.33	41.14	212.37	40.76	196.64	38.09	190.74	37.71	180.90	37.33	176.97	36.95	
	11	9.8	214.33	40.72	212.37	40.35	196.64	37.71	190.74	37.33	180.90	36.95	176.97	36.58	
	13	11.8	214.33	40.52	212.37	40.14	196.64	37.51	190.74	37.14	180.90	36.76	176.97	36.39	
	15	13.7	214.33	40.31	212.37	39.93	196.64	37.32	190.74	36.95	180.90	36.58	176.97	36.20	
19	14.2	216.30	40.10	212.37	39.73	196.64	37.13	190.74	36.76	180.90	36.39	176.97	36.02		
21	15	216.30	39.89	212.37	39.52	196.64	36.94	190.74	36.57	180.90	36.20	176.97	35.83		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT076S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	67.19	41.83	66.57	41.44	61.64	38.73	59.79	38.35	56.71	37.96	55.48	37.57	
	-18.80	-19.00	72.64	42.82	71.97	42.42	66.64	39.65	64.64	39.25	61.31	38.85	59.98	38.46	
	-14.7	-15	81.72	44.59	80.97	44.18	74.97	41.29	72.72	40.88	68.97	40.46	67.47	40.05	
	-12.6	-13	90.80	44.99	89.96	44.57	83.30	41.66	80.80	41.24	76.64	40.82	74.97	40.41	
	-10.5	-11	98.06	45.38	97.16	44.96	89.96	42.02	87.27	41.60	82.77	41.18	80.97	40.76	
	-9.5	-10	103.51	46.17	102.56	45.74	94.96	42.75	92.11	42.32	87.37	41.90	85.47	41.47	
	-8.5	-9.1	108.96	47.36	107.96	46.92	99.96	43.85	96.96	43.41	91.96	42.97	89.96	42.53	
	-7	-7.6	127.12	48.54	125.95	48.09	116.62	44.94	113.12	44.49	107.29	44.05	104.96	43.60	
	-5	-5.6	136.20	50.51	134.95	50.05	124.95	46.77	121.20	46.30	114.95	45.84	112.45	45.37	
	-3	-3.7	145.28	53.28	143.94	52.78	133.28	49.33	129.28	48.84	122.62	48.34	119.95	47.85	
	0	-0.7	159.80	52.09	158.34	51.61	146.61	48.23	142.21	47.75	134.88	47.27	131.95	46.79	
	3	2.2	172.51	47.36	170.93	46.92	158.27	43.85	153.52	43.41	145.61	42.97	142.44	42.53	
	5	4.1	176.15	45.38	174.53	44.96	161.60	42.02	156.75	41.60	148.67	41.18	145.44	40.76	
	7	6	181.59	39.46	179.93	39.10	166.60	36.54	161.60	36.17	153.27	35.81	149.94	35.44	
	9	7.9	185.23	39.07	183.53	38.71	169.93	36.17	164.83	35.81	156.34	35.45	152.94	35.09	
	11	9.8	185.23	38.67	183.53	38.32	169.93	35.81	164.83	35.45	156.34	35.09	152.94	34.73	
	13	11.8	185.23	38.48	183.53	38.12	169.93	35.63	164.83	35.27	156.34	34.91	152.94	34.56	
	15	13.7	185.23	38.28	183.53	37.92	169.93	35.44	164.83	35.09	156.34	34.73	152.94	34.38	
19	14.2	186.93	38.08	183.53	37.73	169.93	35.26	164.83	34.91	156.34	34.56	152.94	34.20		
21	15	186.93	37.88	183.53	37.53	169.93	35.08	164.83	34.73	156.34	34.38	152.94	34.03		
60%	-22.90	-23.00	60.47	37.05	59.92	36.71	55.48	34.31	53.81	33.96	51.04	33.62	49.93	33.28	
	-18.80	-19.00	65.37	37.92	64.77	37.57	59.98	35.11	58.18	34.76	55.18	34.41	53.98	34.06	
	-14.7	-15	73.55	39.50	72.87	39.13	67.47	36.57	65.45	36.21	62.08	35.84	60.73	35.47	
	-12.6	-13	81.72	39.85	80.97	39.48	74.97	36.89	72.72	36.53	68.97	36.16	67.47	35.79	
	-10.5	-11	88.25	40.20	87.45	39.82	80.97	37.22	78.54	36.85	74.49	36.47	72.87	36.10	
	-9.5	-10	93.16	40.90	92.30	40.52	85.47	37.87	82.90	37.49	78.63	37.11	76.92	36.73	
	-8.5	-9.1	98.06	41.94	97.16	41.56	89.96	38.84	87.27	38.45	82.77	38.06	80.97	37.67	
	-7	-7.6	114.40	42.99	113.35	42.59	104.96	39.81	101.81	39.41	96.56	39.01	94.46	38.61	
	-5	-5.6	122.58	44.74	121.45	44.33	112.45	41.43	109.08	41.01	103.46	40.60	101.21	40.18	
	-3	-3.7	130.75	47.19	129.55	46.75	119.95	43.69	116.35	43.25	110.36	42.82	107.96	42.38	
	0	-0.7	143.82	46.14	142.50	45.71	131.95	42.72	127.99	42.29	121.39	41.87	118.75	41.44	
	3	2.2	155.26	41.94	153.84	41.56	142.44	38.84	138.17	38.45	131.05	38.06	128.20	37.67	
	5	4.1	158.53	40.20	157.08	39.82	145.44	37.22	141.08	36.85	133.81	36.47	130.90	36.10	
	7	6	163.43	34.95	161.94	34.63	149.94	32.36	145.44	32.04	137.94	31.72	134.95	31.39	
	9	7.9	166.70	34.60	165.17	34.28	152.94	32.04	148.35	31.72	140.70	31.40	137.64	31.08	
	11	9.8	166.70	34.25	165.17	33.94	152.94	31.72	148.35	31.40	140.70	31.08	137.64	30.77	
	13	11.8	166.70	34.08	165.17	33.76	152.94	31.55	148.35	31.24	140.70	30.92	137.64	30.61	
	15	13.7	166.70	33.90	165.17	33.59	152.94	31.39	148.35	31.08	140.70	30.77	137.64	30.45	
19	14.2	168.23	33.73	165.17	33.42	152.94	31.23	148.35	30.92	140.70	30.61	137.64	30.29		
21	15	168.23	33.55	165.17	33.24	152.94	31.07	148.35	30.76	140.70	30.45	137.64	30.14		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT076S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	51.83	38.84	51.36	38.48	47.55	35.97	46.13	35.61	43.75	35.25	42.80	34.89	
	-18.80	-19.00	56.03	39.76	55.52	39.39	51.41	36.81	49.87	36.45	47.30	36.08	46.27	35.71	
	-14.7	-15	63.04	41.41	62.46	41.02	57.83	38.34	56.10	37.96	53.21	37.57	52.05	37.19	
	-12.6	-13	70.04	41.77	69.40	41.39	64.26	38.68	62.33	38.29	59.12	37.91	57.83	37.52	
	-10.5	-11	75.65	42.14	74.95	41.75	69.40	39.02	67.32	38.63	63.85	38.24	62.46	37.85	
	-9.5	-10	79.85	42.87	79.12	42.48	73.26	39.70	71.06	39.30	67.40	38.90	65.93	38.51	
	-8.5	-9.1	84.05	43.97	83.28	43.57	77.11	40.72	74.80	40.31	70.94	39.90	69.40	39.49	
	-7	-7.6	98.06	45.07	97.16	44.66	89.96	41.73	87.27	41.32	82.77	40.90	80.97	40.48	
	-5	-5.6	105.07	46.90	104.10	46.47	96.39	43.43	93.50	43.00	88.68	42.56	86.75	42.13	
	-3	-3.7	112.07	49.47	111.04	49.01	102.82	45.81	99.73	45.35	94.59	44.89	92.53	44.43	
	0	-0.7	123.28	48.37	122.15	47.92	113.10	44.79	109.70	44.34	104.05	43.89	101.79	43.44	
	3	2.2	133.08	43.97	131.86	43.57	122.09	40.72	118.43	40.31	112.33	39.90	109.88	39.49	
	5	4.1	135.88	42.14	134.64	41.75	124.66	39.02	120.92	38.63	114.69	38.24	112.20	37.85	
	7	6	140.09	36.64	138.80	36.31	128.52	33.93	124.66	33.59	118.24	33.25	115.67	32.91	
	9	7.9	142.89	36.28	141.58	35.94	131.09	33.59	127.16	33.25	120.60	32.92	117.98	32.58	
	11	9.8	142.89	35.91	141.58	35.58	131.09	33.25	127.16	32.92	120.60	32.59	117.98	32.25	
	13	11.8	142.89	35.73	141.58	35.40	131.09	33.08	127.16	32.75	120.60	32.42	117.98	32.09	
15	13.7	142.89	35.55	141.58	35.22	131.09	32.91	127.16	32.58	120.60	32.25	117.98	31.92		
19	14.2	144.20	35.36	141.58	35.03	131.09	32.74	127.16	32.42	120.60	32.09	117.98	31.76		
21	15	144.20	35.18	141.58	34.85	131.09	32.57	127.16	32.25	120.60	31.92	117.98	31.60		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT078S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	
130%	-22.90	-23.00	103.81	58.97	102.86	58.42	95.24	54.60	92.38	54.05	87.62	53.51	85.71	52.96	
	-18.80	-19.00	112.23	60.36	111.20	59.80	102.96	55.89	99.87	55.33	94.72	54.77	92.66	54.21	
	-14.7	-15	126.25	62.86	125.10	62.28	115.83	58.20	112.36	57.62	106.56	57.04	104.25	56.46	
	-12.6	-13	140.28	63.42	139.00	62.83	128.70	58.72	124.84	58.13	118.40	57.54	115.83	56.96	
	-10.5	-11	151.51	63.97	150.12	63.38	139.00	59.23	134.83	58.64	127.88	58.05	125.10	57.46	
	-9.5	-10	159.92	65.08	158.46	64.48	146.72	60.26	142.32	59.66	134.98	59.06	132.05	58.46	
	-8.5	-9.1	168.34	66.75	166.80	66.13	154.44	61.81	149.81	61.19	142.08	60.57	139.00	59.95	
	-7	-7.6	196.40	68.42	194.59	67.79	180.18	63.35	174.77	62.72	165.77	62.09	162.16	61.45	
	-5	-5.6	210.42	71.20	208.49	70.54	193.05	65.93	187.26	65.27	177.61	64.61	173.75	63.95	
	-3	-3.7	224.45	75.10	222.39	74.40	205.92	69.53	199.74	68.84	189.45	68.14	185.33	67.45	
	0	-0.7	246.90	73.43	244.63	72.75	226.51	67.99	219.72	67.31	208.39	66.63	203.86	65.95	
	3	2.2	266.54	66.75	264.09	66.13	244.53	61.81	237.19	61.19	224.97	60.57	220.08	59.95	
	5	4.1	272.15	63.97	269.65	63.38	249.68	59.23	242.19	58.64	229.70	58.05	224.71	57.46	
	7	6	280.57	55.63	277.99	55.11	257.40	51.51	249.68	50.99	236.81	50.48	231.66	49.96	
	9	7.9	286.18	55.07	283.55	54.56	262.55	50.99	254.67	50.48	241.54	49.97	236.29	49.46	
	11	9.8	286.18	54.52	283.55	54.01	262.55	50.48	254.67	49.97	241.54	49.47	236.29	48.96	
	13	11.8	286.18	54.24	283.55	53.73	262.55	50.22	254.67	49.72	241.54	49.21	236.29	48.71	
15	13.7	286.18	53.96	283.55	53.46	262.55	49.96	254.67	49.46	241.54	48.96	236.29	48.46		
19	14.2	288.80	53.68	283.55	53.18	262.55	49.70	254.67	49.21	241.54	48.71	236.29	48.21		
21	15	288.80	53.40	283.55	52.91	262.55	49.45	254.67	48.95	241.54	48.46	236.29	47.96		
120%	-22.90	-23.00	102.81	59.57	101.87	59.02	94.32	55.16	91.49	54.61	86.78	54.06	84.89	53.51	
	-18.80	-19.00	111.15	60.98	110.13	60.41	101.97	56.46	98.91	55.90	93.81	55.33	91.77	54.77	
	-14.7	-15	125.04	63.51	123.89	62.92	114.72	58.80	111.27	58.21	105.54	57.63	103.24	57.04	
	-12.6	-13	138.93	64.07	137.66	63.48	127.46	59.32	123.64	58.73	117.27	58.14	114.72	57.54	
	-10.5	-11	150.05	64.63	148.67	64.03	137.66	59.84	133.53	59.25	126.65	58.65	123.89	58.05	
	-9.5	-10	158.38	65.76	156.93	65.15	145.31	60.88	140.95	60.28	133.68	59.67	130.78	59.06	
	-8.5	-9.1	166.72	67.44	165.19	66.82	152.96	62.45	148.37	61.82	140.72	61.20	137.66	60.57	
	-7	-7.6	194.51	69.13	192.72	68.49	178.45	64.01	173.09	63.37	164.17	62.73	160.60	62.09	
	-5	-5.6	208.40	71.94	206.49	71.27	191.19	66.61	185.46	65.94	175.90	65.28	172.07	64.61	
	-3	-3.7	222.29	75.87	220.26	75.17	203.94	70.25	197.82	69.55	187.62	68.85	183.55	68.14	
	0	-0.7	244.52	74.19	242.28	73.50	224.33	68.69	217.60	68.00	206.39	67.32	201.90	66.63	
	3	2.2	263.97	67.44	261.55	66.82	242.18	62.45	234.91	61.82	222.80	61.20	217.96	60.57	
	5	4.1	269.53	64.63	267.06	64.03	247.28	59.84	239.86	59.25	227.50	58.65	222.55	58.05	
	7	6	277.87	56.20	275.32	55.68	254.93	52.04	247.28	51.52	234.53	51.00	229.43	50.48	
	9	7.9	283.43	55.64	280.83	55.12	260.02	51.52	252.22	51.00	239.22	50.49	234.02	49.97	
	11	9.8	283.43	55.08	280.83	54.57	260.02	51.00	252.22	50.49	239.22	49.98	234.02	49.47	
	13	11.8	283.43	54.80	280.83	54.29	260.02	50.74	252.22	50.23	239.22	49.72	234.02	49.21	
15	13.7	283.43	54.52	280.83	54.01	260.02	50.48	252.22	49.97	239.22	49.47	234.02	48.96		
19	14.2	286.03	54.23	280.83	53.73	260.02	50.22	252.22	49.71	239.22	49.21	234.02	48.71		
21	15	286.03	53.95	280.83	53.45	260.02	49.96	252.22	49.46	239.22	48.96	234.02	48.46		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT078S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-22.90	-23.00	100.81	60.18	99.89	59.62	92.49	55.72	89.72	55.17	85.09	54.61	83.24	54.05	
	-18.80	-19.00	108.99	61.60	107.99	61.03	99.99	57.04	96.99	56.47	91.99	55.90	89.99	55.33	
	-14.7	-15	122.61	64.16	121.49	63.56	112.49	59.40	109.11	58.81	103.49	58.21	101.24	57.62	
	-12.6	-13	136.24	64.72	134.99	64.12	124.99	59.93	121.24	59.33	114.99	58.73	112.49	58.13	
	-10.5	-11	147.14	65.29	145.79	64.69	134.99	60.45	130.94	59.85	124.19	59.25	121.49	58.64	
	-9.5	-10	155.31	66.43	153.88	65.81	142.49	61.51	138.21	60.89	131.09	60.28	128.24	59.66	
	-8.5	-9.1	163.48	68.13	161.98	67.50	149.99	63.08	145.49	62.45	137.99	61.82	134.99	61.19	
	-7	-7.6	190.73	69.83	188.98	69.19	174.98	64.66	169.73	64.01	160.98	63.37	157.48	62.72	
	-5	-5.6	204.35	72.67	202.48	72.00	187.48	67.29	181.86	66.62	172.48	65.94	168.73	65.27	
	-3	-3.7	217.98	76.65	215.98	75.94	199.98	70.97	193.98	70.26	183.98	69.55	179.98	68.84	
	0	-0.7	239.78	74.94	237.58	74.25	219.98	69.39	213.38	68.70	202.38	68.00	197.98	67.31	
	3	2.2	258.85	68.13	256.47	67.50	237.48	63.08	230.35	62.45	218.48	61.82	213.73	61.19	
	5	4.1	264.30	65.29	261.87	64.69	242.48	60.45	235.20	59.85	223.08	59.25	218.23	58.64	
	7	6	272.47	56.77	269.97	56.25	249.98	52.57	242.48	52.04	229.98	51.52	224.98	50.99	
	9	7.9	277.92	56.21	275.37	55.69	254.97	52.04	247.33	51.52	234.58	51.00	229.48	50.48	
	11	9.8	277.92	55.64	275.37	55.12	254.97	51.52	247.33	51.00	234.58	50.49	229.48	49.97	
	13	11.8	277.92	55.36	275.37	54.84	254.97	51.25	247.33	50.74	234.58	50.23	229.48	49.72	
	15	13.7	277.92	55.07	275.37	54.56	254.97	50.99	247.33	50.48	234.58	49.97	229.48	49.46	
19	14.2	280.47	54.79	275.37	54.28	254.97	50.73	247.33	50.22	234.58	49.71	229.48	49.21		
21	15	280.47	54.50	275.37	54.00	254.97	50.47	247.33	49.96	234.58	49.46	229.48	48.95		
100%	-22.90	-23.00	99.82	60.79	98.90	60.23	91.58	56.29	88.83	55.72	84.25	55.16	82.42	54.60	
	-18.80	-19.00	107.91	62.22	106.92	61.65	99.00	57.61	96.03	57.04	91.08	56.46	89.10	55.89	
	-14.7	-15	121.40	64.80	120.29	64.20	111.38	60.00	108.03	59.40	102.47	58.80	100.24	58.20	
	-12.6	-13	134.89	65.38	133.65	64.77	123.75	60.53	120.04	59.93	113.85	59.32	111.38	58.72	
	-10.5	-11	145.68	65.95	144.34	65.34	133.65	61.07	129.64	60.45	122.96	59.84	120.29	59.23	
	-9.5	-10	153.77	67.10	152.36	66.48	141.08	62.13	136.84	61.51	129.79	60.88	126.97	60.26	
	-8.5	-9.1	161.87	68.82	160.38	68.18	148.50	63.72	144.05	63.08	136.62	62.45	133.65	61.81	
	-7	-7.6	188.84	70.54	187.11	69.88	173.25	65.31	168.05	64.66	159.39	64.01	155.93	63.35	
	-5	-5.6	202.33	73.41	200.48	72.73	185.63	67.97	180.06	67.29	170.78	66.61	167.06	65.93	
	-3	-3.7	215.82	77.42	213.84	76.70	198.00	71.69	192.06	70.97	182.16	70.25	178.20	69.53	
	0	-0.7	237.40	75.70	235.22	75.00	217.80	70.09	211.27	69.39	200.38	68.69	196.02	67.99	
	3	2.2	256.29	68.82	253.94	68.18	235.13	63.72	228.07	63.08	216.32	62.45	211.61	61.81	
	5	4.1	261.68	65.95	259.28	65.34	240.08	61.07	232.87	60.45	220.87	59.84	216.07	59.23	
	7	6	269.78	57.35	267.30	56.82	247.50	53.10	240.08	52.57	227.70	52.04	222.75	51.51	
	9	7.9	275.17	56.77	272.65	56.25	252.45	52.57	244.88	52.04	232.25	51.52	227.21	50.99	
	11	9.8	275.17	56.20	272.65	55.68	252.45	52.04	244.88	51.52	232.25	51.00	227.21	50.48	
	13	11.8	275.17	55.91	272.65	55.40	252.45	51.77	244.88	51.25	232.25	50.74	227.21	50.22	
	15	13.7	275.17	55.63	272.65	55.11	252.45	51.51	244.88	50.99	232.25	50.48	227.21	49.96	
19	14.2	277.70	55.34	272.65	54.83	252.45	51.24	244.88	50.73	232.25	50.22	227.21	49.70		
21	15	277.70	55.05	272.65	54.54	252.45	50.98	244.88	50.47	232.25	49.96	227.21	49.45		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT078S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	91.83	55.32	90.99	54.81	84.25	51.22	81.72	50.71	77.51	50.20	75.82	49.68	
	-18.80	-19.00	99.28	56.62	98.37	56.10	91.08	52.43	88.35	51.90	83.79	51.38	81.97	50.86	
	-14.7	-15	111.69	58.97	110.66	58.42	102.47	54.60	99.39	54.06	94.27	53.51	92.22	52.96	
	-12.6	-13	124.10	59.49	122.96	58.94	113.85	55.09	110.43	54.54	104.74	53.98	102.47	53.43	
	-10.5	-11	134.02	60.01	132.79	59.46	122.96	55.57	119.27	55.01	113.12	54.46	110.66	53.90	
	-9.5	-10	141.47	61.06	140.17	60.49	129.79	56.54	125.90	55.97	119.41	55.40	116.81	54.84	
	-8.5	-9.1	148.92	62.62	147.55	62.04	136.62	57.99	132.52	57.41	125.69	56.83	122.96	56.25	
	-7	-7.6	173.74	64.19	172.14	63.60	159.39	59.43	154.61	58.84	146.64	58.25	143.45	57.65	
	-5	-5.6	186.14	66.80	184.44	66.18	170.78	61.85	165.65	61.23	157.11	60.61	153.70	60.00	
	-3	-3.7	198.55	70.45	196.73	69.80	182.16	65.23	176.70	64.58	167.59	63.93	163.94	63.28	
	0	-0.7	218.41	68.89	216.41	68.25	200.38	63.78	194.36	63.15	184.35	62.51	180.34	61.87	
	3	2.2	235.78	62.62	233.62	62.04	216.32	57.99	209.83	57.41	199.01	56.83	194.68	56.25	
	5	4.1	240.75	60.01	238.54	59.46	220.87	55.57	214.24	55.01	203.20	54.46	198.78	53.90	
	7	6	248.19	52.19	245.92	51.70	227.70	48.32	220.87	47.84	209.48	47.35	204.93	46.87	
	9	7.9	253.16	51.66	250.83	51.19	232.25	47.84	225.29	47.36	213.67	46.88	209.03	46.40	
	11	9.8	253.16	51.14	250.83	50.67	232.25	47.35	225.29	46.88	213.67	46.41	209.03	45.93	
	13	11.8	253.16	50.88	250.83	50.41	232.25	47.11	225.29	46.64	213.67	46.17	209.03	45.70	
	15	13.7	253.16	50.62	250.83	50.15	232.25	46.87	225.29	46.40	213.67	45.93	209.03	45.47	
19	14.2	255.48	50.36	250.83	49.89	232.25	46.63	225.29	46.16	213.67	45.70	209.03	45.23		
21	15	255.48	50.10	250.83	49.64	232.25	46.39	225.29	45.92	213.67	45.46	209.03	45.00		
80%	-22.90	-23.00	80.85	44.81	80.11	44.39	74.18	41.49	71.95	41.07	68.24	40.66	66.76	40.24	
	-18.80	-19.00	87.41	45.86	86.61	45.44	80.19	42.47	77.78	42.04	73.77	41.62	72.17	41.19	
	-14.7	-15	98.33	47.77	97.43	47.32	90.21	44.23	87.51	43.79	83.00	43.34	81.19	42.90	
	-12.6	-13	109.26	48.19	108.26	47.74	100.24	44.62	97.23	44.17	92.22	43.73	90.21	43.28	
	-10.5	-11	118.00	48.61	116.92	48.16	108.26	45.01	105.01	44.56	99.60	44.11	97.43	43.66	
	-9.5	-10	124.56	49.46	123.41	49.00	114.27	45.79	110.84	45.34	105.13	44.88	102.84	44.42	
	-8.5	-9.1	131.11	50.73	129.91	50.26	120.29	46.97	116.68	46.50	110.66	46.03	108.26	45.56	
	-7	-7.6	152.96	51.99	151.56	51.51	140.33	48.14	136.12	47.66	129.11	47.18	126.30	46.70	
	-5	-5.6	163.89	54.11	162.38	53.61	150.36	50.10	145.85	49.60	138.33	49.10	135.32	48.60	
	-3	-3.7	174.81	57.07	173.21	56.54	160.38	52.84	155.57	52.31	147.55	51.78	144.34	51.25	
	0	-0.7	192.30	55.80	190.53	55.28	176.42	51.66	171.13	51.15	162.30	50.63	158.78	50.11	
	3	2.2	207.59	50.73	205.69	50.26	190.45	46.97	184.74	46.50	175.22	46.03	171.41	45.56	
	5	4.1	211.96	48.61	210.02	48.16	194.46	45.01	188.63	44.56	178.90	44.11	175.01	43.66	
	7	6	218.52	42.27	216.51	41.88	200.48	39.14	194.46	38.75	184.44	38.36	180.43	37.97	
	9	7.9	222.89	41.85	220.84	41.46	204.48	38.75	198.35	38.36	188.13	37.97	184.04	37.59	
	11	9.8	222.89	41.43	220.84	41.04	204.48	38.36	198.35	37.97	188.13	37.59	184.04	37.21	
	13	11.8	222.89	41.21	220.84	40.83	204.48	38.16	198.35	37.78	188.13	37.40	184.04	37.02	
	15	13.7	222.89	41.00	220.84	40.62	204.48	37.97	198.35	37.59	188.13	37.21	184.04	36.83	
19	14.2	224.93	40.79	220.84	40.41	204.48	37.77	198.35	37.39	188.13	37.01	184.04	36.64		
21	15	224.93	40.58	220.84	40.20	204.48	37.57	198.35	37.20	188.13	36.82	184.04	36.45		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT078S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	69.87	42.55	69.23	42.16	64.10	39.40	62.18	39.01	58.97	38.61	57.69	38.22	
	-18.80	-19.00	75.54	43.56	74.84	43.15	69.30	40.33	67.22	39.93	63.76	39.52	62.37	39.12	
	-14.7	-15	84.98	45.36	84.20	44.94	77.96	42.00	75.62	41.58	71.73	41.16	70.17	40.74	
	-12.6	-13	94.42	45.76	93.56	45.34	86.63	42.37	84.03	41.95	79.70	41.53	77.96	41.10	
	-10.5	-11	101.97	46.17	101.04	45.74	93.56	42.75	90.75	42.32	86.07	41.89	84.20	41.46	
	-9.5	-10	107.64	46.97	106.65	46.53	98.75	43.49	95.79	43.05	90.85	42.62	88.88	42.18	
	-8.5	-9.1	113.31	48.17	112.27	47.73	103.95	44.60	100.83	44.16	95.63	43.71	93.56	43.27	
	-7	-7.6	132.19	49.38	130.98	48.92	121.28	45.72	117.64	45.26	111.57	44.80	109.15	44.35	
	-5	-5.6	141.63	51.38	140.33	50.91	129.94	47.58	126.04	47.10	119.54	46.63	116.94	46.15	
	-3	-3.7	151.07	54.19	149.69	53.69	138.60	50.18	134.44	49.68	127.51	49.18	124.74	48.67	
	0	-0.7	166.18	52.99	164.66	52.50	152.46	49.06	147.89	48.57	140.26	48.08	137.21	47.59	
	3	2.2	179.40	48.17	177.75	47.73	164.59	44.60	159.65	44.16	151.42	43.71	148.13	43.27	
	5	4.1	183.18	46.17	181.50	45.74	168.05	42.75	163.01	42.32	154.61	41.89	151.25	41.46	
	7	6	188.84	40.14	187.11	39.77	173.25	37.17	168.05	36.80	159.39	36.43	155.93	36.05	
	9	7.9	192.62	39.74	190.85	39.37	176.72	36.80	171.41	36.43	162.58	36.06	159.04	35.69	
	11	9.8	192.62	39.34	190.85	38.98	176.72	36.43	171.41	36.06	162.58	35.70	159.04	35.33	
	13	11.8	192.62	39.14	190.85	38.78	176.72	36.24	171.41	35.88	162.58	35.52	159.04	35.15	
	15	13.7	192.62	38.94	190.85	38.58	176.72	36.05	171.41	35.69	162.58	35.33	159.04	34.97	
19	14.2	194.39	38.74	190.85	38.38	176.72	35.87	171.41	35.51	162.58	35.15	159.04	34.79		
21	15	194.39	38.54	190.85	38.18	176.72	35.68	171.41	35.33	162.58	34.97	159.04	34.61		
60%	-22.90	-23.00	62.88	37.69	62.31	37.34	57.69	34.90	55.96	34.55	53.08	34.20	51.92	33.85	
	-18.80	-19.00	67.98	38.58	67.36	38.22	62.37	35.72	60.50	35.36	57.38	35.01	56.13	34.65	
	-14.7	-15	76.48	40.18	75.78	39.81	70.17	37.20	68.06	36.83	64.55	36.46	63.15	36.09	
	-12.6	-13	84.98	40.53	84.20	40.16	77.96	37.53	75.62	37.16	71.73	36.78	70.17	36.41	
	-10.5	-11	91.78	40.89	90.94	40.51	84.20	37.86	81.67	37.48	77.46	37.10	75.78	36.72	
	-9.5	-10	96.88	41.60	95.99	41.22	88.88	38.52	86.21	38.13	81.77	37.75	79.99	37.36	
	-8.5	-9.1	101.97	42.67	101.04	42.27	93.56	39.51	90.75	39.11	86.07	38.72	84.20	38.32	
	-7	-7.6	118.97	43.73	117.88	43.33	109.15	40.49	105.87	40.09	100.42	39.68	98.23	39.28	
	-5	-5.6	127.47	45.51	126.30	45.09	116.94	42.14	113.44	41.72	107.59	41.30	105.25	40.88	
	-3	-3.7	135.97	48.00	134.72	47.56	124.74	44.44	121.00	44.00	114.76	43.56	112.27	43.11	
	0	-0.7	149.56	46.93	148.19	46.50	137.21	43.46	133.10	43.02	126.24	42.59	123.49	42.15	
	3	2.2	161.46	42.67	159.98	42.27	148.13	39.51	143.68	39.11	136.28	38.72	133.32	38.32	
	5	4.1	164.86	40.89	163.35	40.51	151.25	37.86	146.71	37.48	139.15	37.10	136.12	36.72	
	7	6	169.96	35.56	168.40	35.23	155.93	32.92	151.25	32.59	143.45	32.26	140.33	31.93	
	9	7.9	173.36	35.20	171.77	34.87	159.04	32.59	154.27	32.27	146.32	31.94	143.14	31.61	
	11	9.8	173.36	34.84	171.77	34.52	159.04	32.26	154.27	31.94	146.32	31.62	143.14	31.30	
	13	11.8	173.36	34.67	171.77	34.35	159.04	32.10	154.27	31.78	146.32	31.46	143.14	31.14	
	15	13.7	173.36	34.49	171.77	34.17	159.04	31.93	154.27	31.61	146.32	31.30	143.14	30.98	
19	14.2	174.95	34.31	171.77	33.99	159.04	31.77	154.27	31.45	146.32	31.13	143.14	30.82		
21	15	174.95	34.13	171.77	33.82	159.04	31.61	154.27	31.29	146.32	30.97	143.14	30.66		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT078S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	53.90	39.51	53.41	39.15	49.45	36.59	47.97	36.22	45.49	35.85	44.51	35.49	
	-18.80	-19.00	58.27	40.44	57.74	40.07	53.46	37.45	51.86	37.07	49.18	36.70	48.11	36.33	
	-14.7	-15	65.56	42.12	64.95	41.73	60.14	39.00	58.34	38.61	55.33	38.22	54.13	37.83	
	-12.6	-13	72.84	42.49	72.17	42.10	66.83	39.35	64.82	38.95	61.48	38.56	60.14	38.17	
	-10.5	-11	78.67	42.87	77.94	42.47	72.17	39.69	70.01	39.30	66.40	38.90	64.95	38.50	
	-9.5	-10	83.04	43.61	82.27	43.21	76.18	40.38	73.90	39.98	70.09	39.57	68.56	39.17	
	-8.5	-9.1	87.41	44.73	86.61	44.32	80.19	41.42	77.78	41.00	73.77	40.59	72.17	40.18	
	-7	-7.6	101.97	45.85	101.04	45.43	93.56	42.45	90.75	42.03	86.07	41.60	84.20	41.18	
	-5	-5.6	109.26	47.71	108.26	47.27	100.24	44.18	97.23	43.74	92.22	43.30	90.21	42.85	
	-3	-3.7	116.54	50.32	115.47	49.86	106.92	46.60	103.71	46.13	98.37	45.66	96.23	45.20	
	0	-0.7	128.20	49.20	127.02	48.75	117.61	45.56	114.08	45.10	108.20	44.65	105.85	44.19	
	3	2.2	138.39	44.73	137.12	44.32	126.97	41.42	123.16	41.00	116.81	40.59	114.27	40.18	
	5	4.1	141.31	42.87	140.01	42.47	129.64	39.69	125.75	39.30	119.27	38.90	116.68	38.50	
	7	6	145.68	37.28	144.34	36.93	133.65	34.52	129.64	34.17	122.96	33.82	120.29	33.48	
	9	7.9	148.59	36.90	147.23	36.56	136.32	34.17	132.23	33.83	125.42	33.49	122.69	33.14	
	11	9.8	148.59	36.53	147.23	36.19	136.32	33.82	132.23	33.49	125.42	33.15	122.69	32.81	
	13	11.8	148.59	36.34	147.23	36.01	136.32	33.65	132.23	33.32	125.42	32.98	122.69	32.64	
15	13.7	148.59	36.16	147.23	35.82	136.32	33.48	132.23	33.14	125.42	32.81	122.69	32.48		
19	14.2	149.96	35.97	147.23	35.64	136.32	33.31	132.23	32.97	125.42	32.64	122.69	32.31		
21	15	149.96	35.79	147.23	35.45	136.32	33.13	132.23	32.80	125.42	32.47	122.69	32.14		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT080S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	103.18	64.85	102.23	64.25	94.66	60.05	91.82	59.45	87.09	58.85	85.19	58.25	
	-18.80	-19.00	111.55	66.38	110.52	65.77	102.34	61.46	99.27	60.85	94.15	60.23	92.10	59.62	
	-14.7	-15	125.49	69.13	124.34	68.49	115.13	64.01	111.67	63.37	105.92	62.73	103.62	62.09	
	-12.6	-13	139.43	69.75	138.15	69.10	127.92	64.58	124.08	63.93	117.69	63.29	115.13	62.64	
	-10.5	-11	150.59	70.36	149.21	69.71	138.15	65.15	134.01	64.49	127.10	63.84	124.34	63.19	
	-9.5	-10	158.95	71.58	157.50	70.92	145.83	66.28	141.45	65.62	134.16	64.95	131.25	64.29	
	-8.5	-9.1	167.32	73.42	165.78	72.74	153.50	67.98	148.90	67.30	141.22	66.62	138.15	65.94	
	-7	-7.6	195.21	75.25	193.42	74.55	179.09	69.68	173.72	68.98	164.76	68.28	161.18	67.59	
	-5	-5.6	209.15	78.31	207.23	77.59	191.88	72.51	186.12	71.78	176.53	71.06	172.69	70.33	
	-3	-3.7	223.09	82.59	221.05	81.83	204.67	76.47	198.53	75.71	188.30	74.95	184.20	74.18	
	0	-0.7	245.40	80.76	243.15	80.01	225.14	74.78	218.39	74.03	207.13	73.28	202.63	72.53	
	3	2.2	264.92	73.42	262.49	72.74	243.05	67.98	235.76	67.30	223.60	66.62	218.74	65.94	
	5	4.1	270.50	70.36	268.02	69.71	248.16	65.15	240.72	64.49	228.31	63.84	223.35	63.19	
	7	6	278.87	61.18	276.31	60.61	255.84	56.65	248.16	56.08	235.37	55.52	230.26	54.95	
	9	7.9	284.44	60.57	281.83	60.01	260.96	56.08	253.13	55.52	240.08	54.96	234.86	54.40	
	11	9.8	284.44	59.96	281.83	59.40	260.96	55.52	253.13	54.96	240.08	54.40	234.86	53.85	
	13	11.8	284.44	59.65	281.83	59.10	260.96	55.23	253.13	54.68	240.08	54.13	234.86	53.57	
	15	13.7	284.44	59.34	281.83	58.79	260.96	54.95	253.13	54.40	240.08	53.85	234.86	53.30	
19	14.2	287.05	59.04	281.83	58.49	260.96	54.67	253.13	54.12	240.08	53.57	234.86	53.03		
21	15	287.05	58.73	281.83	58.19	260.96	54.38	253.13	53.84	240.08	53.29	234.86	52.75		
120%	-22.90	-23.00	102.19	65.52	101.25	64.91	93.75	60.67	90.94	60.06	86.25	59.45	84.38	58.85	
	-18.80	-19.00	110.47	67.06	109.46	66.44	101.35	62.10	98.31	61.48	93.24	60.85	91.22	60.23	
	-14.7	-15	124.28	69.85	123.14	69.20	114.02	64.67	110.60	64.03	104.90	63.38	102.62	62.73	
	-12.6	-13	138.09	70.46	136.83	69.81	126.69	65.24	122.89	64.59	116.55	63.94	114.02	63.29	
	-10.5	-11	149.14	71.08	147.77	70.42	136.83	65.82	132.72	65.16	125.88	64.50	123.14	63.84	
	-9.5	-10	157.42	72.32	155.98	71.65	144.43	66.96	140.09	66.29	132.87	65.62	129.98	64.95	
	-8.5	-9.1	165.71	74.17	164.19	73.49	152.03	68.68	147.47	67.99	139.87	67.30	136.83	66.62	
	-7	-7.6	193.33	76.03	191.56	75.32	177.37	70.40	172.05	69.69	163.18	68.99	159.63	68.28	
	-5	-5.6	207.14	79.12	205.24	78.38	190.04	73.26	184.33	72.52	174.83	71.79	171.03	71.06	
	-3	-3.7	220.95	83.44	218.92	82.67	202.70	77.26	196.62	76.49	186.49	75.72	182.43	74.95	
	0	-0.7	243.04	81.59	240.81	80.83	222.97	75.55	216.29	74.79	205.14	74.04	200.68	73.28	
	3	2.2	262.37	74.17	259.97	73.49	240.71	68.68	233.49	67.99	221.45	67.30	216.64	66.62	
	5	4.1	267.90	71.08	265.44	70.42	245.78	65.82	238.41	65.16	226.12	64.50	221.20	63.84	
	7	6	276.18	61.81	273.65	61.24	253.38	57.23	245.78	56.66	233.11	56.09	228.04	55.52	
	9	7.9	281.71	61.19	279.12	60.63	258.45	56.66	250.69	56.09	237.77	55.53	232.60	54.96	
	11	9.8	281.71	60.57	279.12	60.01	258.45	56.09	250.69	55.53	237.77	54.97	232.60	54.40	
	13	11.8	281.71	60.27	279.12	59.71	258.45	55.80	250.69	55.24	237.77	54.69	232.60	54.13	
	15	13.7	281.71	59.96	279.12	59.40	258.45	55.52	250.69	54.96	237.77	54.40	232.60	53.85	
19	14.2	284.29	59.65	279.12	59.09	258.45	55.23	250.69	54.68	237.77	54.12	232.60	53.57		
21	15	284.29	59.34	279.12	58.79	258.45	54.94	250.69	54.39	237.77	53.84	232.60	53.29		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT080S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	100.20	66.19	99.28	65.57	91.93	61.28	89.17	60.67	84.58	60.06	82.74	59.45	
	-18.80	-19.00	108.33	67.75	107.33	67.12	99.38	62.73	96.40	62.10	91.43	61.48	89.45	60.85	
	-14.7	-15	121.87	70.56	120.75	69.91	111.81	65.33	108.45	64.68	102.86	64.03	100.63	63.37	
	-12.6	-13	135.41	71.18	134.17	70.52	124.23	65.91	120.50	65.25	114.29	64.59	111.81	63.93	
	-10.5	-11	146.24	71.81	144.90	71.14	134.17	66.49	130.14	65.82	123.43	65.16	120.75	64.49	
	-9.5	-10	154.37	73.06	152.95	72.38	141.62	67.64	137.37	66.97	130.29	66.29	127.46	65.62	
	-8.5	-9.1	162.49	74.93	161.00	74.24	149.08	69.38	144.60	68.69	137.15	67.99	134.17	67.30	
	-7	-7.6	189.57	76.80	187.84	76.09	173.92	71.11	168.70	70.40	160.01	69.69	156.53	68.98	
	-5	-5.6	203.12	79.92	201.25	79.18	186.35	74.00	180.75	73.26	171.44	72.52	167.71	71.78	
	-3	-3.7	216.66	84.30	214.67	83.52	198.77	78.05	192.80	77.27	182.87	76.49	178.89	75.71	
	0	-0.7	238.32	82.42	236.14	81.66	218.64	76.32	212.09	75.55	201.15	74.79	196.78	74.03	
	3	2.2	257.28	74.93	254.92	74.24	236.04	69.38	228.96	68.69	217.15	67.99	212.43	67.30	
	5	4.1	262.70	71.81	260.29	71.14	241.01	66.49	233.78	65.82	221.73	65.16	216.91	64.49	
	7	6	270.82	62.44	268.34	61.86	248.46	57.82	241.01	57.24	228.58	56.66	223.61	56.08	
	9	7.9	276.24	61.82	273.70	61.24	253.43	57.24	245.83	56.67	233.15	56.09	228.09	55.52	
	11	9.8	276.24	61.19	273.70	60.63	253.43	56.66	245.83	56.09	233.15	55.53	228.09	54.96	
	13	11.8	276.24	60.88	273.70	60.32	253.43	56.37	245.83	55.81	233.15	55.24	228.09	54.68	
	15	13.7	276.24	60.57	273.70	60.01	253.43	56.08	245.83	55.52	233.15	54.96	228.09	54.40	
19	14.2	278.77	60.26	273.70	59.70	253.43	55.79	245.83	55.23	233.15	54.68	228.09	54.12		
21	15	278.77	59.94	273.70	59.39	253.43	55.50	245.83	54.95	233.15	54.39	228.09	53.84		
100%	-22.90	-23.00	99.21	66.86	98.30	66.24	91.02	61.90	88.29	61.28	83.74	60.67	81.92	60.05	
	-18.80	-19.00	107.26	68.43	106.27	67.80	98.40	63.36	95.45	62.73	90.53	62.10	88.56	61.46	
	-14.7	-15	120.66	71.27	119.56	70.61	110.70	65.99	107.38	65.33	101.84	64.67	99.63	64.01	
	-12.6	-13	134.07	71.90	132.84	71.24	123.00	66.58	119.31	65.91	113.16	65.24	110.70	64.58	
	-10.5	-11	144.80	72.53	143.47	71.86	132.84	67.16	128.85	66.49	122.21	65.82	119.56	65.15	
	-9.5	-10	152.84	73.79	151.44	73.11	140.22	68.33	136.01	67.64	129.00	66.96	126.20	66.28	
	-8.5	-9.1	160.88	75.69	159.41	74.99	147.60	70.08	143.17	69.38	135.79	68.68	132.84	67.98	
	-7	-7.6	187.70	77.58	185.98	76.86	172.20	71.83	167.03	71.11	158.42	70.40	154.98	69.68	
	-5	-5.6	201.11	80.73	199.26	79.98	184.50	74.75	178.97	74.00	169.74	73.26	166.05	72.51	
	-3	-3.7	214.51	85.15	212.54	84.36	196.80	78.84	190.90	78.05	181.06	77.26	177.12	76.47	
	0	-0.7	235.96	83.26	233.80	82.48	216.48	77.09	209.99	76.32	199.16	75.55	194.83	74.78	
	3	2.2	254.73	75.69	252.40	74.99	233.70	70.08	226.69	69.38	215.00	68.68	210.33	67.98	
	5	4.1	260.10	72.53	257.71	71.86	238.62	67.16	231.46	66.49	219.53	65.82	214.76	65.15	
	7	6	268.14	63.07	265.68	62.49	246.00	58.40	238.62	57.82	226.32	57.23	221.40	56.65	
	9	7.9	273.50	62.44	270.99	61.86	250.92	57.82	243.39	57.24	230.85	56.66	225.83	56.08	
	11	9.8	273.50	61.81	270.99	61.24	250.92	57.23	243.39	56.66	230.85	56.09	225.83	55.52	
	13	11.8	273.50	61.50	270.99	60.93	250.92	56.94	243.39	56.37	230.85	55.80	225.83	55.23	
	15	13.7	273.50	61.18	270.99	60.61	250.92	56.65	243.39	56.08	230.85	55.52	225.83	54.95	
19	14.2	276.01	60.86	270.99	60.30	250.92	56.36	243.39	55.79	230.85	55.23	225.83	54.67		
21	15	276.01	60.55	270.99	59.99	250.92	56.06	243.39	55.50	230.85	54.94	225.83	54.38		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT080S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-22.90	-23.00	91.27	60.84	90.44	60.28	83.74	56.33	81.23	55.77	77.04	55.21	75.36	54.64	
	-18.80	-19.00	98.68	62.27	97.77	61.70	90.53	57.66	87.81	57.08	83.29	56.51	81.48	55.93	
	-14.7	-15	111.01	64.86	109.99	64.26	101.84	60.05	98.79	59.45	93.70	58.85	91.66	58.25	
	-12.6	-13	123.34	65.43	122.21	64.83	113.16	60.58	109.77	59.98	104.11	59.37	101.84	58.77	
	-10.5	-11	133.21	66.00	131.99	65.39	122.21	61.12	118.55	60.50	112.44	59.89	109.99	59.28	
	-9.5	-10	140.61	67.15	139.32	66.53	129.00	62.18	125.13	61.56	118.68	60.93	116.10	60.31	
	-8.5	-9.1	148.01	68.87	146.66	68.24	135.79	63.77	131.72	63.14	124.93	62.50	122.21	61.86	
	-7	-7.6	172.68	70.60	171.10	69.94	158.42	65.37	153.67	64.71	145.75	64.06	142.58	63.41	
	-5	-5.6	185.02	73.47	183.32	72.79	169.74	68.02	164.65	67.34	156.16	66.66	152.77	65.98	
	-3	-3.7	197.35	77.48	195.54	76.77	181.06	71.74	175.62	71.03	166.57	70.31	162.95	69.59	
	0	-0.7	217.09	75.76	215.09	75.06	199.16	70.15	193.19	69.45	183.23	68.75	179.25	68.05	
	3	2.2	234.35	68.87	232.20	68.24	215.00	63.77	208.55	63.14	197.80	62.50	193.50	61.86	
	5	4.1	239.29	66.00	237.09	65.39	219.53	61.12	212.94	60.50	201.97	59.89	197.58	59.28	
	7	6	246.69	57.40	244.43	56.86	226.32	53.14	219.53	52.61	208.21	52.08	203.69	51.55	
	9	7.9	251.62	56.82	249.31	56.30	230.85	52.61	223.92	52.09	212.38	51.56	207.76	51.03	
	11	9.8	251.62	56.25	249.31	55.73	230.85	52.08	223.92	51.56	212.38	51.04	207.76	50.52	
	13	11.8	251.62	55.96	249.31	55.44	230.85	51.82	223.92	51.30	212.38	50.78	207.76	50.26	
	15	13.7	251.62	55.67	249.31	55.16	230.85	51.55	223.92	51.03	212.38	50.52	207.76	50.00	
	19	14.2	253.93	55.39	249.31	54.87	230.85	51.28	223.92	50.77	212.38	50.26	207.76	49.75	
21	15	253.93	55.10	249.31	54.59	230.85	51.02	223.92	50.51	212.38	50.00	207.76	49.49		
80%	-22.90	-23.00	80.36	49.28	79.62	48.82	73.73	45.63	71.51	45.17	67.83	44.72	66.35	44.26	
	-18.80	-19.00	86.88	50.44	86.08	49.97	79.70	46.71	77.31	46.24	73.33	45.77	71.73	45.30	
	-14.7	-15	97.74	52.53	96.84	52.05	89.67	48.64	86.98	48.16	82.49	47.67	80.70	47.18	
	-12.6	-13	108.60	53.00	107.60	52.51	99.63	49.07	96.64	48.58	91.66	48.09	89.67	47.60	
	-10.5	-11	117.28	53.46	116.21	52.97	107.60	49.50	104.37	49.01	98.99	48.51	96.84	48.02	
	-9.5	-10	123.80	54.39	122.66	53.89	113.58	50.36	110.17	49.86	104.49	49.36	102.22	48.85	
	-8.5	-9.1	130.32	55.79	129.12	55.27	119.56	51.66	115.97	51.14	109.99	50.62	107.60	50.11	
	-7	-7.6	152.04	57.18	150.64	56.65	139.48	52.95	135.30	52.42	128.32	51.89	125.53	51.36	
	-5	-5.6	162.90	59.51	161.40	58.96	149.45	55.10	144.96	54.55	137.49	54.00	134.50	53.45	
	-3	-3.7	173.75	62.76	172.16	62.18	159.41	58.11	154.63	57.53	146.66	56.95	143.47	56.37	
	0	-0.7	191.13	61.37	189.38	60.80	175.35	56.82	170.09	56.25	161.32	55.69	157.81	55.12	
	3	2.2	206.33	55.79	204.44	55.27	189.30	51.66	183.62	51.14	174.15	50.62	170.37	50.11	
	5	4.1	210.68	53.46	208.74	52.97	193.28	49.50	187.48	49.01	177.82	48.51	173.95	48.02	
	7	6	217.19	46.49	215.20	46.06	199.26	43.05	193.28	42.62	183.32	42.19	179.33	41.76	
	9	7.9	221.54	46.03	219.50	45.60	203.25	42.62	197.15	42.19	186.99	41.76	182.92	41.34	
	11	9.8	221.54	45.56	219.50	45.14	203.25	42.19	197.15	41.76	186.99	41.34	182.92	40.92	
	13	11.8	221.54	45.33	219.50	44.91	203.25	41.97	197.15	41.55	186.99	41.13	182.92	40.71	
	15	13.7	221.54	45.10	219.50	44.68	203.25	41.76	197.15	41.34	186.99	40.92	182.92	40.50	
	19	14.2	223.57	44.86	219.50	44.45	203.25	41.54	197.15	41.12	186.99	40.71	182.92	40.29	
21	15	223.57	44.63	219.50	44.22	203.25	41.32	197.15	40.91	186.99	40.50	182.92	40.09		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT080S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	69.45	46.80	68.81	46.37	63.71	43.33	61.80	42.90	58.62	42.47	57.34	42.03	
	-18.80	-19.00	75.08	47.90	74.39	47.46	68.88	44.35	66.81	43.91	63.37	43.47	61.99	43.02	
	-14.7	-15	84.46	49.89	83.69	49.43	77.49	46.19	75.17	45.73	71.29	45.27	69.74	44.81	
	-12.6	-13	93.85	50.33	92.99	49.87	86.10	46.60	83.52	46.14	79.21	45.67	77.49	45.21	
	-10.5	-11	101.36	50.77	100.43	50.30	92.99	47.01	90.20	46.54	85.55	46.07	83.69	45.60	
	-9.5	-10	106.99	51.66	106.01	51.18	98.15	47.83	95.21	47.35	90.30	46.87	88.34	46.39	
	-8.5	-9.1	112.62	52.98	111.59	52.49	103.32	49.06	100.22	48.57	95.05	48.07	92.99	47.58	
	-7	-7.6	131.39	54.30	130.18	53.80	120.54	50.28	116.92	49.78	110.90	49.28	108.49	48.77	
	-5	-5.6	140.77	56.51	139.48	55.99	129.15	52.33	125.28	51.80	118.82	51.28	116.24	50.76	
	-3	-3.7	150.16	59.60	148.78	59.05	137.76	55.19	133.63	54.64	126.74	54.08	123.98	53.53	
	0	-0.7	165.17	58.28	163.66	57.74	151.54	53.96	146.99	53.42	139.41	52.88	136.38	52.34	
	3	2.2	178.31	52.98	176.68	52.49	163.59	49.06	158.68	48.57	150.50	48.07	147.23	47.58	
	5	4.1	182.07	50.77	180.40	50.30	167.03	47.01	162.02	46.54	153.67	46.07	150.33	45.60	
	7	6	187.70	44.15	185.98	43.74	172.20	40.88	167.03	40.47	158.42	40.06	154.98	39.65	
	9	7.9	191.45	43.71	189.70	43.30	175.64	40.47	170.37	40.07	161.59	39.66	158.08	39.26	
	11	9.8	191.45	43.27	189.70	42.87	175.64	40.06	170.37	39.66	161.59	39.26	158.08	38.86	
	13	11.8	191.45	43.05	189.70	42.65	175.64	39.86	170.37	39.46	161.59	39.06	158.08	38.66	
	15	13.7	191.45	42.83	189.70	42.43	175.64	39.65	170.37	39.26	161.59	38.86	158.08	38.46	
19	14.2	193.21	42.61	189.70	42.21	175.64	39.45	170.37	39.05	161.59	38.66	158.08	38.27		
21	15	193.21	42.38	189.70	41.99	175.64	39.24	170.37	38.85	161.59	38.46	158.08	38.07		
60%	-22.90	-23.00	62.50	41.45	61.93	41.07	57.34	38.38	55.62	38.00	52.76	37.61	51.61	37.23	
	-18.80	-19.00	67.57	42.43	66.95	42.04	61.99	39.29	60.13	38.89	57.03	38.50	55.79	38.11	
	-14.7	-15	76.02	44.19	75.32	43.78	69.74	40.92	67.65	40.51	64.16	40.10	62.77	39.69	
	-12.6	-13	84.46	44.58	83.69	44.17	77.49	41.28	75.17	40.86	71.29	40.45	69.74	40.04	
	-10.5	-11	91.22	44.97	90.38	44.55	83.69	41.64	81.18	41.22	76.99	40.81	75.32	40.39	
	-9.5	-10	96.29	45.75	95.41	45.33	88.34	42.36	85.69	41.94	81.27	41.52	79.50	41.09	
	-8.5	-9.1	101.36	46.93	100.43	46.49	92.99	43.45	90.20	43.02	85.55	42.58	83.69	42.15	
	-7	-7.6	118.25	48.10	117.16	47.65	108.49	44.54	105.23	44.09	99.81	43.65	97.64	43.20	
	-5	-5.6	126.70	50.05	125.53	49.59	116.24	46.35	112.75	45.88	106.94	45.42	104.61	44.96	
	-3	-3.7	135.14	52.79	133.90	52.30	123.98	48.88	120.26	48.39	114.07	47.90	111.59	47.41	
	0	-0.7	148.66	51.62	147.29	51.14	136.38	47.79	132.29	47.32	125.47	46.84	122.74	46.36	
	3	2.2	160.48	46.93	159.01	46.49	147.23	43.45	142.81	43.02	135.45	42.58	132.51	42.15	
	5	4.1	163.86	44.97	162.36	44.55	150.33	41.64	145.82	41.22	138.30	40.81	135.30	40.39	
	7	6	168.93	39.10	167.38	38.74	154.98	36.21	150.33	35.85	142.58	35.48	139.48	35.12	
	9	7.9	172.31	38.71	170.73	38.36	158.08	35.85	153.34	35.49	145.43	35.13	142.27	34.77	
	11	9.8	172.31	38.32	170.73	37.97	158.08	35.48	153.34	35.13	145.43	34.77	142.27	34.42	
	13	11.8	172.31	38.13	170.73	37.77	158.08	35.30	153.34	34.95	145.43	34.60	142.27	34.24	
	15	13.7	172.31	37.93	170.73	37.58	158.08	35.12	153.34	34.77	145.43	34.42	142.27	34.07	
19	14.2	173.89	37.74	170.73	37.39	158.08	34.94	153.34	34.59	145.43	34.24	142.27	33.89		
21	15	173.89	37.54	170.73	37.19	158.08	34.76	153.34	34.41	145.43	34.06	142.27	33.72		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT080S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	53.57	43.46	53.08	43.05	49.15	40.24	47.68	39.84	45.22	39.43	44.24	39.03	
	-18.80	-19.00	57.92	44.48	57.39	44.07	53.14	41.19	51.54	40.77	48.89	40.36	47.82	39.95	
	-14.7	-15	65.16	46.33	64.56	45.90	59.78	42.89	57.98	42.47	55.00	42.04	53.80	41.61	
	-12.6	-13	72.40	46.74	71.73	46.30	66.42	43.27	64.43	42.84	61.11	42.41	59.78	41.98	
	-10.5	-11	78.19	47.15	77.47	46.71	71.73	43.65	69.58	43.22	65.99	42.78	64.56	42.34	
	-9.5	-10	82.53	47.97	81.78	47.52	75.72	44.41	73.45	43.97	69.66	43.52	68.15	43.08	
	-8.5	-9.1	86.88	49.20	86.08	48.74	79.70	45.55	77.31	45.10	73.33	44.64	71.73	44.19	
	-7	-7.6	101.36	50.43	100.43	49.96	92.99	46.69	90.20	46.22	85.55	45.76	83.69	45.29	
	-5	-5.6	108.60	52.48	107.60	51.99	99.63	48.59	96.64	48.10	91.66	47.62	89.67	47.13	
	-3	-3.7	115.84	55.35	114.77	54.83	106.27	51.25	103.08	50.73	97.77	50.22	95.64	49.71	
	0	-0.7	127.42	54.12	126.25	53.61	116.90	50.11	113.39	49.61	107.55	49.11	105.21	48.60	
	3	2.2	137.56	49.20	136.29	48.74	126.20	45.55	122.41	45.10	116.10	44.64	113.58	44.19	
	5	4.1	140.45	47.15	139.16	46.71	128.85	43.65	124.99	43.22	118.55	42.78	115.97	42.34	
	7	6	144.80	41.00	143.47	40.62	132.84	37.96	128.85	37.58	122.21	37.20	119.56	36.82	
	9	7.9	147.69	40.59	146.34	40.21	135.50	37.58	131.43	37.20	124.66	36.83	121.95	36.45	
	11	9.8	147.69	40.18	146.34	39.80	135.50	37.20	131.43	36.83	124.66	36.46	121.95	36.08	
	13	11.8	147.69	39.97	146.34	39.60	135.50	37.01	131.43	36.64	124.66	36.27	121.95	35.90	
15	13.7	147.69	39.77	146.34	39.40	135.50	36.82	131.43	36.45	124.66	36.08	121.95	35.72		
19	14.2	149.05	39.56	146.34	39.20	135.50	36.63	131.43	36.27	124.66	35.90	121.95	35.53		
21	15	149.05	39.36	146.34	38.99	135.50	36.44	131.43	36.08	124.66	35.71	121.95	35.35		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT082S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	106.33	65.74	105.35	65.13	97.55	60.87	94.62	60.26	89.74	59.65	87.79	59.04	
	-18.80	-19.00	114.95	67.29	113.89	66.67	105.46	62.31	102.29	61.68	97.02	61.06	94.91	60.44	
	-14.7	-15	129.32	70.08	128.13	69.43	118.64	64.89	115.08	64.24	109.15	63.59	106.77	62.94	
	-12.6	-13	143.68	70.70	142.37	70.05	131.82	65.46	127.87	64.81	121.27	64.15	118.64	63.50	
	-10.5	-11	155.18	71.32	153.75	70.66	142.37	66.04	138.09	65.38	130.98	64.72	128.13	64.06	
	-9.5	-10	163.80	72.56	162.30	71.89	150.27	67.19	145.77	66.51	138.25	65.84	135.25	65.17	
	-8.5	-9.1	172.42	74.42	170.84	73.73	158.18	68.91	153.44	68.22	145.53	67.53	142.37	66.84	
	-7	-7.6	201.16	76.28	199.31	75.58	184.55	70.63	179.01	69.93	169.78	69.22	166.09	68.51	
	-5	-5.6	215.53	79.38	213.55	78.65	197.73	73.50	191.80	72.77	181.91	72.03	177.96	71.30	
	-3	-3.7	229.89	83.72	227.78	82.95	210.91	77.52	204.58	76.75	194.04	75.97	189.82	75.20	
	0	-0.7	252.88	81.86	250.56	81.11	232.00	75.80	225.04	75.04	213.44	74.28	208.80	73.53	
	3	2.2	273.00	74.42	270.49	73.73	250.46	68.91	242.94	68.22	230.42	67.53	225.41	66.84	
	5	4.1	278.75	71.32	276.19	70.66	255.73	66.04	248.06	65.38	235.27	64.72	230.16	64.06	
	7	6	287.37	62.02	284.73	61.44	263.64	57.42	255.73	56.85	242.55	56.28	237.28	55.70	
	9	7.9	293.11	61.40	290.43	60.83	268.91	56.85	260.85	56.28	247.40	55.71	242.02	55.14	
	11	9.8	293.11	60.78	290.43	60.21	268.91	56.28	260.85	55.71	247.40	55.15	242.02	54.59	
	13	11.8	293.11	60.47	290.43	59.91	268.91	55.99	260.85	55.43	247.40	54.87	242.02	54.31	
	15	13.7	293.11	60.16	290.43	59.60	268.91	55.70	260.85	55.14	247.40	54.59	242.02	54.03	
19	14.2	295.80	59.85	290.43	59.29	268.91	55.41	260.85	54.86	247.40	54.31	242.02	53.75		
21	15	295.80	59.54	290.43	58.99	268.91	55.13	260.85	54.58	247.40	54.02	242.02	53.47		
120%	-22.90	-23.00	105.30	66.42	104.34	65.80	96.61	61.50	93.71	60.88	88.88	60.27	86.95	59.65	
	-18.80	-19.00	113.84	67.98	112.80	67.35	104.44	62.95	101.31	62.32	96.09	61.69	94.00	61.06	
	-14.7	-15	128.07	70.80	126.90	70.15	117.50	65.56	113.97	64.90	108.10	64.25	105.75	63.59	
	-12.6	-13	142.30	71.43	141.00	70.77	130.55	66.14	126.64	65.48	120.11	64.82	117.50	64.15	
	-10.5	-11	153.69	72.06	152.28	71.39	141.00	66.72	136.77	66.05	129.72	65.38	126.90	64.72	
	-9.5	-10	162.22	73.31	160.74	72.63	148.83	67.88	144.36	67.20	136.92	66.52	133.95	65.84	
	-8.5	-9.1	170.76	75.19	169.20	74.49	156.66	69.62	151.96	68.92	144.13	68.23	141.00	67.53	
	-7	-7.6	199.22	77.07	197.40	76.35	182.77	71.36	177.29	70.65	168.15	69.93	164.50	69.22	
	-5	-5.6	213.45	80.20	211.50	79.46	195.83	74.26	189.95	73.52	180.16	72.78	176.25	72.03	
	-3	-3.7	227.68	84.59	225.59	83.80	208.88	78.32	202.62	77.54	192.17	76.76	188.00	75.97	
	0	-0.7	250.45	82.71	248.15	81.94	229.77	76.58	222.88	75.82	211.39	75.05	206.80	74.28	
	3	2.2	270.37	75.19	267.89	74.49	248.05	69.62	240.61	68.92	228.21	68.23	223.24	67.53	
	5	4.1	276.07	72.06	273.53	71.39	253.27	66.72	245.67	66.05	233.01	65.38	227.94	64.72	
	7	6	284.60	62.66	281.99	62.08	261.11	58.02	253.27	57.44	240.22	56.86	234.99	56.28	
	9	7.9	290.30	62.03	287.63	61.46	266.33	57.44	258.34	56.86	245.02	56.29	239.69	55.71	
	11	9.8	290.30	61.40	287.63	60.84	266.33	56.86	258.34	56.29	245.02	55.72	239.69	55.15	
	13	11.8	290.30	61.09	287.63	60.53	266.33	56.57	258.34	56.00	245.02	55.43	239.69	54.87	
	15	13.7	290.30	60.78	287.63	60.21	266.33	56.28	258.34	55.71	245.02	55.15	239.69	54.59	
19	14.2	292.96	60.46	287.63	59.90	266.33	55.99	258.34	55.43	245.02	54.87	239.69	54.31		
21	15	292.96	60.15	287.63	59.59	266.33	55.70	258.34	55.14	245.02	54.58	239.69	54.02		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT082S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	103.26	67.09	102.31	66.47	94.73	62.12	91.89	61.50	87.15	60.88	85.26	60.26	
	-18.80	-19.00	111.63	68.68	110.61	68.04	102.41	63.59	99.34	62.95	94.22	62.32	92.17	61.68	
	-14.7	-15	125.59	71.53	124.43	70.86	115.22	66.23	111.76	65.56	106.00	64.90	103.69	64.24	
	-12.6	-13	139.54	72.16	138.26	71.49	128.02	66.81	124.18	66.14	117.78	65.48	115.22	64.81	
	-10.5	-11	150.70	72.79	149.32	72.12	138.26	67.40	134.11	66.73	127.20	66.05	124.43	65.38	
	-9.5	-10	159.07	74.06	157.62	73.37	145.94	68.57	141.56	67.89	134.26	67.20	131.35	66.51	
	-8.5	-9.1	167.45	75.96	165.91	75.25	153.62	70.33	149.01	69.63	141.33	68.92	138.26	68.22	
	-7	-7.6	195.35	77.85	193.56	77.13	179.22	72.09	173.85	71.37	164.89	70.65	161.30	69.93	
	-5	-5.6	209.31	81.02	207.39	80.27	192.03	75.02	186.27	74.27	176.66	73.52	172.82	72.77	
	-3	-3.7	223.26	85.45	221.21	84.66	204.83	79.12	198.68	78.33	188.44	77.54	184.35	76.75	
	0	-0.7	245.59	83.55	243.34	82.78	225.31	77.36	218.55	76.59	207.29	75.82	202.78	75.04	
	3	2.2	265.12	75.96	262.69	75.25	243.23	70.33	235.94	69.63	223.77	68.92	218.91	68.22	
	5	4.1	270.71	72.79	268.22	72.12	248.35	67.40	240.90	66.73	228.49	66.05	223.52	65.38	
	7	6	279.08	63.30	276.52	62.71	256.04	58.61	248.35	58.02	235.55	57.44	230.43	56.85	
	9	7.9	284.66	62.66	282.05	62.08	261.16	58.02	253.32	57.44	240.26	56.86	235.04	56.28	
	11	9.8	284.66	62.03	282.05	61.46	261.16	57.44	253.32	56.86	240.26	56.29	235.04	55.71	
	13	11.8	284.66	61.71	282.05	61.14	261.16	57.14	253.32	56.57	240.26	56.00	235.04	55.43	
	15	13.7	284.66	61.40	282.05	60.83	261.16	56.85	253.32	56.28	240.26	55.71	235.04	55.14	
19	14.2	287.27	61.08	282.05	60.52	261.16	56.56	253.32	55.99	240.26	55.43	235.04	54.86		
21	15	287.27	60.76	282.05	60.20	261.16	56.26	253.32	55.70	240.26	55.14	235.04	54.58		
100%	-22.90	-23.00	102.24	67.77	101.30	67.14	93.80	62.75	90.98	62.12	86.29	61.50	84.42	60.87	
	-18.80	-19.00	110.53	69.37	109.51	68.73	101.40	64.23	98.36	63.59	93.29	62.95	91.26	62.31	
	-14.7	-15	124.34	72.25	123.20	71.58	114.08	66.90	110.65	66.23	104.95	65.56	102.67	64.89	
	-12.6	-13	138.16	72.89	136.89	72.21	126.75	67.49	122.95	66.81	116.61	66.14	114.08	65.46	
	-10.5	-11	149.21	73.53	147.84	72.85	136.89	68.08	132.78	67.40	125.94	66.72	123.20	66.04	
	-9.5	-10	157.50	74.81	156.05	74.11	144.50	69.26	140.16	68.57	132.94	67.88	130.05	67.19	
	-8.5	-9.1	165.79	76.72	164.27	76.01	152.10	71.04	147.54	70.33	139.93	69.62	136.89	68.91	
	-7	-7.6	193.42	78.64	191.65	77.91	177.45	72.82	172.13	72.09	163.25	71.36	159.71	70.63	
	-5	-5.6	207.24	81.84	205.34	81.08	190.13	75.78	184.42	75.02	174.92	74.26	171.11	73.50	
	-3	-3.7	221.05	86.31	219.02	85.51	202.80	79.92	196.72	79.12	186.58	78.32	182.52	77.52	
	0	-0.7	243.16	84.40	240.93	83.61	223.08	78.14	216.39	77.36	205.23	76.58	200.77	75.80	
	3	2.2	262.50	76.72	260.09	76.01	240.83	71.04	233.60	70.33	221.56	69.62	216.74	68.91	
	5	4.1	268.03	73.53	265.57	72.85	245.90	68.08	238.52	67.40	226.22	66.72	221.31	66.04	
	7	6	276.32	63.94	273.78	63.34	253.50	59.20	245.90	58.61	233.22	58.02	228.15	57.42	
	9	7.9	281.84	63.30	279.26	62.71	258.57	58.61	250.81	58.02	237.88	57.44	232.71	56.85	
	11	9.8	281.84	62.66	279.26	62.08	258.57	58.02	250.81	57.44	237.88	56.86	232.71	56.28	
	13	11.8	281.84	62.34	279.26	61.76	258.57	57.72	250.81	57.14	237.88	56.57	232.71	55.99	
	15	13.7	281.84	62.02	279.26	61.44	258.57	57.42	250.81	56.85	237.88	56.28	232.71	55.70	
19	14.2	284.43	61.70	279.26	61.13	258.57	57.13	250.81	56.56	237.88	55.99	232.71	55.41		
21	15	284.43	61.38	279.26	60.81	258.57	56.83	250.81	56.26	237.88	55.70	232.71	55.13		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT082S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	94.06	61.67	93.19	61.10	86.29	57.10	83.70	56.53	79.39	55.96	77.66	55.39	
	-18.80	-19.00	101.68	63.13	100.75	62.54	93.29	58.45	90.49	57.87	85.82	57.28	83.96	56.70	
	-14.7	-15	114.39	65.75	113.34	65.14	104.95	60.88	101.80	60.27	96.55	59.66	94.45	59.05	
	-12.6	-13	127.10	66.33	125.94	65.71	116.61	61.41	113.11	60.80	107.28	60.19	104.95	59.57	
	-10.5	-11	137.27	66.91	136.01	66.29	125.94	61.95	122.16	61.33	115.86	60.71	113.34	60.09	
	-9.5	-10	144.90	68.07	143.57	67.44	132.94	63.03	128.95	62.40	122.30	61.77	119.64	61.14	
	-8.5	-9.1	152.53	69.82	151.13	69.17	139.93	64.65	135.73	64.00	128.74	63.35	125.94	62.71	
	-7	-7.6	177.95	71.56	176.31	70.90	163.25	66.26	158.36	65.60	150.19	64.94	146.93	64.27	
	-5	-5.6	190.66	74.47	188.91	73.78	174.92	68.96	169.67	68.27	160.92	67.58	157.42	66.89	
	-3	-3.7	203.37	78.55	201.50	77.82	186.58	72.73	180.98	72.00	171.65	71.27	167.92	70.55	
	0	-0.7	223.70	76.80	221.65	76.09	205.23	71.11	199.08	70.40	188.81	69.69	184.71	68.98	
	3	2.2	241.50	69.82	239.28	69.17	221.56	64.65	214.91	64.00	203.83	63.35	199.40	62.71	
	5	4.1	246.58	66.91	244.32	66.29	226.22	61.95	219.44	61.33	208.13	60.71	203.60	60.09	
	7	6	254.21	58.18	251.88	57.64	233.22	53.87	226.22	53.33	214.56	52.79	209.90	52.26	
	9	7.9	259.29	57.60	256.92	57.07	237.88	53.33	230.75	52.80	218.85	52.27	214.10	51.73	
	11	9.8	259.29	57.02	256.92	56.49	237.88	52.79	230.75	52.27	218.85	51.74	214.10	51.21	
	13	11.8	259.29	56.73	256.92	56.20	237.88	52.53	230.75	52.00	218.85	51.47	214.10	50.95	
	15	13.7	259.29	56.44	256.92	55.91	237.88	52.26	230.75	51.73	218.85	51.21	214.10	50.69	
19	14.2	261.67	56.15	256.92	55.63	237.88	51.99	230.75	51.47	218.85	50.95	214.10	50.43		
21	15	261.67	55.85	256.92	55.34	237.88	51.72	230.75	51.20	218.85	50.68	214.10	50.17		
80%	-22.90	-23.00	82.81	49.95	82.05	49.49	75.97	46.25	73.69	45.79	69.90	45.33	68.38	44.87	
	-18.80	-19.00	89.53	51.13	88.70	50.66	82.13	47.35	79.67	46.87	75.56	46.40	73.92	45.93	
	-14.7	-15	100.72	53.25	99.79	52.76	92.40	49.31	89.63	48.82	85.01	48.32	83.16	47.83	
	-12.6	-13	111.91	53.73	110.88	53.23	102.67	49.75	99.59	49.25	94.45	48.75	92.40	48.25	
	-10.5	-11	120.86	54.20	119.75	53.69	110.88	50.18	107.55	49.68	102.01	49.18	99.79	48.68	
	-9.5	-10	127.57	55.14	126.40	54.63	117.04	51.05	113.53	50.54	107.68	50.03	105.34	49.52	
	-8.5	-9.1	134.29	56.55	133.06	56.03	123.20	52.36	119.50	51.84	113.34	51.32	110.88	50.79	
	-7	-7.6	156.67	57.97	155.23	57.43	143.73	53.67	139.42	53.14	132.24	52.60	129.36	52.06	
	-5	-5.6	167.86	60.32	166.32	59.76	154.00	55.85	149.38	55.30	141.68	54.74	138.60	54.18	
	-3	-3.7	179.05	63.62	177.41	63.03	164.27	58.91	159.34	58.32	151.13	57.73	147.84	57.14	
	0	-0.7	196.96	62.21	195.15	61.63	180.69	57.60	175.27	57.02	166.24	56.45	162.63	55.87	
	3	2.2	212.62	56.55	210.67	56.03	195.07	52.36	189.22	51.84	179.46	51.32	175.56	50.79	
	5	4.1	217.10	54.20	215.11	53.69	199.17	50.18	193.20	49.68	183.24	49.18	179.26	48.68	
	7	6	223.82	47.13	221.76	46.69	205.34	43.64	199.17	43.20	188.91	42.76	184.80	42.33	
	9	7.9	228.29	46.66	226.20	46.22	209.44	43.20	203.16	42.77	192.69	42.34	188.50	41.90	
	11	9.8	228.29	46.18	226.20	45.76	209.44	42.76	203.16	42.34	192.69	41.91	188.50	41.48	
	13	11.8	228.29	45.95	226.20	45.52	209.44	42.55	203.16	42.12	192.69	41.69	188.50	41.27	
	15	13.7	228.29	45.71	226.20	45.29	209.44	42.33	203.16	41.90	192.69	41.48	188.50	41.06	
19	14.2	230.39	45.48	226.20	45.06	209.44	42.11	203.16	41.69	192.69	41.27	188.50	40.85		
21	15	230.39	45.24	226.20	44.82	209.44	41.89	203.16	41.47	192.69	41.05	188.50	40.63		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT082S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	71.57	47.44	70.91	47.00	65.66	43.93	63.69	43.49	60.40	43.05	59.09	42.61	
	-18.80	-19.00	77.37	48.56	76.66	48.11	70.98	44.96	68.85	44.51	65.30	44.06	63.88	43.61	
	-14.7	-15	87.04	50.57	86.24	50.11	79.85	46.83	77.46	46.36	73.46	45.89	71.87	45.42	
	-12.6	-13	96.71	51.02	95.82	50.55	88.73	47.24	86.06	46.77	81.63	46.30	79.85	45.82	
	-10.5	-11	104.45	51.47	103.49	50.99	95.82	47.66	92.95	47.18	88.16	46.70	86.24	46.23	
	-9.5	-10	110.25	52.36	109.24	51.88	101.15	48.48	98.11	48.00	93.05	47.52	91.03	47.03	
	-8.5	-9.1	116.05	53.71	114.99	53.21	106.47	49.73	103.28	49.23	97.95	48.73	95.82	48.24	
	-7	-7.6	135.39	55.05	134.15	54.54	124.22	50.97	120.49	50.46	114.28	49.95	111.79	49.44	
	-5	-5.6	145.07	57.29	143.73	56.76	133.09	53.04	129.09	52.51	122.44	51.98	119.78	51.45	
	-3	-3.7	154.74	60.42	153.32	59.86	141.96	55.94	137.70	55.38	130.60	54.83	127.76	54.27	
	0	-0.7	170.21	59.08	168.65	58.53	156.16	54.70	151.47	54.15	143.66	53.61	140.54	53.06	
	3	2.2	183.75	53.71	182.06	53.21	168.58	49.73	163.52	49.23	155.09	48.73	151.72	48.24	
	5	4.1	187.62	51.47	185.90	50.99	172.13	47.66	166.96	47.18	158.36	46.70	154.91	46.23	
	7	6	193.42	44.76	191.65	44.34	177.45	41.44	172.13	41.03	163.25	40.61	159.71	40.20	
	9	7.9	197.29	44.31	195.48	43.90	181.00	41.03	175.57	40.62	166.52	40.21	162.90	39.79	
	11	9.8	197.29	43.86	195.48	43.45	181.00	40.61	175.57	40.21	166.52	39.80	162.90	39.39	
	13	11.8	197.29	43.64	195.48	43.23	181.00	40.40	175.57	40.00	166.52	39.60	162.90	39.19	
	15	13.7	197.29	43.41	195.48	43.01	181.00	40.20	175.57	39.79	166.52	39.39	162.90	38.99	
19	14.2	199.10	43.19	195.48	42.79	181.00	39.99	175.57	39.59	166.52	39.19	162.90	38.79		
21	15	199.10	42.96	195.48	42.57	181.00	39.78	175.57	39.38	166.52	38.99	162.90	38.59		
60%	-22.90	-23.00	64.41	42.02	63.82	41.63	59.09	38.91	57.32	38.52	54.36	38.13	53.18	37.74	
	-18.80	-19.00	69.63	43.01	68.99	42.61	63.88	39.82	61.97	39.43	58.77	39.03	57.49	38.63	
	-14.7	-15	78.34	44.79	77.62	44.38	71.87	41.48	69.71	41.06	66.12	40.65	64.68	40.23	
	-12.6	-13	87.04	45.19	86.24	44.77	79.85	41.84	77.46	41.42	73.46	41.01	71.87	40.59	
	-10.5	-11	94.00	45.59	93.14	45.16	86.24	42.21	83.65	41.79	79.34	41.37	77.62	40.94	
	-9.5	-10	99.22	46.38	98.31	45.95	91.03	42.94	88.30	42.51	83.75	42.08	81.93	41.66	
	-8.5	-9.1	104.45	47.57	103.49	47.13	95.82	44.04	92.95	43.60	88.16	43.16	86.24	42.72	
	-7	-7.6	121.85	48.76	120.74	48.31	111.79	45.15	108.44	44.69	102.85	44.24	100.61	43.79	
	-5	-5.6	130.56	50.74	129.36	50.27	119.78	46.98	116.19	46.51	110.20	46.04	107.80	45.57	
	-3	-3.7	139.26	53.51	137.99	53.02	127.76	49.55	123.93	49.05	117.54	48.56	114.99	48.06	
	0	-0.7	153.19	52.33	151.78	51.84	140.54	48.45	136.32	47.96	129.30	47.48	126.49	47.00	
	3	2.2	165.37	47.57	163.86	47.13	151.72	44.04	147.17	43.60	139.58	43.16	136.55	42.72	
	5	4.1	168.86	45.59	167.31	45.16	154.91	42.21	150.27	41.79	142.52	41.37	139.42	40.94	
	7	6	174.08	39.64	172.48	39.27	159.71	36.70	154.91	36.34	146.93	35.97	143.73	35.60	
	9	7.9	177.56	39.24	175.93	38.88	162.90	36.34	158.01	35.97	149.87	35.61	146.61	35.25	
	11	9.8	177.56	38.85	175.93	38.49	162.90	35.97	158.01	35.61	149.87	35.25	146.61	34.89	
	13	11.8	177.56	38.65	175.93	38.29	162.90	35.79	158.01	35.43	149.87	35.07	146.61	34.71	
	15	13.7	177.56	38.45	175.93	38.10	162.90	35.60	158.01	35.25	149.87	34.89	146.61	34.53	
19	14.2	179.19	38.25	175.93	37.90	162.90	35.42	158.01	35.07	149.87	34.71	146.61	34.36		
21	15	179.19	38.05	175.93	37.70	162.90	35.24	158.01	34.88	149.87	34.53	146.61	34.18		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT082S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	55.21	44.05	54.70	43.64	50.65	40.79	49.13	40.38	46.60	39.97	45.58	39.57	
	-18.80	-19.00	59.68	45.09	59.14	44.67	54.76	41.75	53.11	41.33	50.38	40.92	49.28	40.50	
	-14.7	-15	67.14	46.96	66.53	46.53	61.60	43.48	59.75	43.05	56.67	42.61	55.44	42.18	
	-12.6	-13	74.61	47.38	73.92	46.94	68.45	43.87	66.39	43.43	62.97	42.99	61.60	42.55	
	-10.5	-11	80.57	47.79	79.83	47.35	73.92	44.25	71.70	43.81	68.01	43.37	66.53	42.92	
	-9.5	-10	85.05	48.62	84.27	48.17	78.03	45.02	75.69	44.57	71.79	44.12	70.22	43.67	
	-8.5	-9.1	89.53	49.87	88.70	49.41	82.13	46.18	79.67	45.71	75.56	45.25	73.92	44.79	
	-7	-7.6	104.45	51.12	103.49	50.64	95.82	47.33	92.95	46.86	88.16	46.38	86.24	45.91	
	-5	-5.6	111.91	53.19	110.88	52.70	102.67	49.25	99.59	48.76	94.45	48.27	92.40	47.78	
	-3	-3.7	119.37	56.10	118.27	55.58	109.51	51.95	106.23	51.43	100.75	50.91	98.56	50.39	
	0	-0.7	131.30	54.86	130.10	54.35	120.46	50.79	116.85	50.29	110.83	49.78	108.42	49.27	
	3	2.2	141.75	49.87	140.45	49.41	130.05	46.18	126.14	45.71	119.64	45.25	117.04	44.79	
	5	4.1	144.73	47.79	143.41	47.35	132.78	44.25	128.80	43.81	122.16	43.37	119.50	42.92	
	7	6	149.21	41.56	147.84	41.17	136.89	38.48	132.78	38.10	125.94	37.71	123.20	37.33	
	9	7.9	152.19	41.14	150.80	40.76	139.63	38.10	135.44	37.71	128.46	37.33	125.67	36.95	
	11	9.8	152.19	40.73	150.80	40.35	139.63	37.71	135.44	37.33	128.46	36.96	125.67	36.58	
	13	11.8	152.19	40.52	150.80	40.14	139.63	37.52	135.44	37.14	128.46	36.77	125.67	36.39	
15	13.7	152.19	40.31	150.80	39.94	139.63	37.33	135.44	36.95	128.46	36.58	125.67	36.21		
19	14.2	153.59	40.10	150.80	39.73	139.63	37.13	135.44	36.76	128.46	36.39	125.67	36.02		
21	15	153.59	39.90	150.80	39.53	139.63	36.94	135.44	36.57	128.46	36.20	125.67	35.83		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT084S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	109.47	66.63	108.47	66.01	100.43	61.69	97.42	61.08	92.40	60.46	90.39	59.84	
	-18.80	-19.00	118.35	68.20	117.26	67.57	108.58	63.15	105.32	62.52	99.89	61.88	97.72	61.25	
	-14.7	-15	133.14	71.03	131.92	70.37	122.15	65.77	118.48	65.11	112.38	64.45	109.93	63.79	
	-12.6	-13	147.93	71.66	146.58	70.99	135.72	66.35	131.65	65.68	124.86	65.02	122.15	64.36	
	-10.5	-11	159.77	72.28	158.30	71.62	146.58	66.93	142.18	66.26	134.85	65.59	131.92	64.92	
	-9.5	-10	168.65	73.54	167.10	72.86	154.72	68.09	150.08	67.41	142.34	66.73	139.25	66.05	
	-8.5	-9.1	177.52	75.43	175.89	74.73	162.86	69.84	157.98	69.14	149.83	68.44	146.58	67.74	
	-7	-7.6	207.11	77.31	205.21	76.60	190.01	71.59	184.31	70.87	174.81	70.15	171.01	69.44	
	-5	-5.6	221.90	80.46	219.87	79.71	203.58	74.50	197.47	73.75	187.29	73.01	183.22	72.26	
	-3	-3.7	236.70	84.86	234.52	84.07	217.15	78.57	210.64	77.78	199.78	77.00	195.44	76.21	
	0	-0.7	260.37	82.97	257.98	82.20	238.87	76.82	231.70	76.06	219.76	75.29	214.98	74.52	
	3	2.2	281.08	75.43	278.50	74.73	257.87	69.84	250.13	69.14	237.24	68.44	232.08	67.74	
	5	4.1	286.99	72.28	284.36	71.62	263.30	66.93	255.40	66.26	242.23	65.59	236.97	64.92	
	7	6	295.87	62.86	293.16	62.27	271.44	58.20	263.30	57.62	249.72	57.04	244.30	56.45	
	9	7.9	301.79	62.23	299.02	61.65	276.87	57.62	268.56	57.04	254.72	56.47	249.18	55.89	
	11	9.8	301.79	61.60	299.02	61.03	276.87	57.04	268.56	56.47	254.72	55.90	249.18	55.32	
	13	11.8	301.79	61.28	299.02	60.72	276.87	56.75	268.56	56.18	254.72	55.61	249.18	55.04	
	15	13.7	301.79	60.97	299.02	60.41	276.87	56.45	268.56	55.89	254.72	55.32	249.18	54.76	
19	14.2	304.56	60.66	299.02	60.09	276.87	56.16	268.56	55.60	254.72	55.04	249.18	54.48		
21	15	304.56	60.34	299.02	59.78	276.87	55.87	268.56	55.31	254.72	54.75	249.18	54.20		
120%	-22.90	-23.00	108.42	67.31	107.42	66.69	99.47	62.33	96.48	61.70	91.51	61.08	89.52	60.46	
	-18.80	-19.00	117.21	68.90	116.13	68.26	107.53	63.80	104.31	63.16	98.93	62.52	96.78	61.88	
	-14.7	-15	131.86	71.76	130.65	71.10	120.97	66.44	117.34	65.78	111.30	65.12	108.88	64.45	
	-12.6	-13	146.51	72.39	145.17	71.72	134.42	67.03	130.38	66.36	123.66	65.69	120.97	65.02	
	-10.5	-11	158.23	73.03	156.78	72.35	145.17	67.62	140.81	66.94	133.55	66.27	130.65	65.59	
	-9.5	-10	167.02	74.30	165.49	73.61	153.23	68.80	148.64	68.11	140.97	67.42	137.91	66.73	
	-8.5	-9.1	175.81	76.20	174.20	75.50	161.30	70.56	156.46	69.85	148.39	69.15	145.17	68.44	
	-7	-7.6	205.12	78.11	203.24	77.39	188.18	72.32	182.54	71.60	173.13	70.88	169.36	70.15	
	-5	-5.6	219.77	81.29	217.75	80.53	201.62	75.26	195.57	74.51	185.49	73.76	181.46	73.01	
	-3	-3.7	234.42	85.73	232.27	84.94	215.06	79.38	208.61	78.59	197.86	77.79	193.56	77.00	
	0	-0.7	257.86	83.83	255.50	83.05	236.57	77.62	229.47	76.84	217.64	76.06	212.91	75.29	
	3	2.2	278.37	76.20	275.82	75.50	255.39	70.56	247.73	69.85	234.96	69.15	229.85	68.44	
	5	4.1	284.23	73.03	281.63	72.35	260.77	67.62	252.94	66.94	239.90	66.27	234.69	65.59	
	7	6	293.02	63.50	290.34	62.92	268.83	58.80	260.77	58.21	247.32	57.62	241.95	57.04	
	9	7.9	298.89	62.87	296.14	62.29	274.21	58.21	265.98	57.63	252.27	57.05	246.79	56.47	
	11	9.8	298.89	62.23	296.14	61.66	274.21	57.62	265.98	57.05	252.27	56.47	246.79	55.90	
	13	11.8	298.89	61.92	296.14	61.34	274.21	57.33	265.98	56.76	252.27	56.18	246.79	55.61	
	15	13.7	298.89	61.60	296.14	61.03	274.21	57.04	265.98	56.47	252.27	55.90	246.79	55.32	
19	14.2	301.63	61.28	296.14	60.71	274.21	56.74	265.98	56.17	252.27	55.61	246.79	55.04		
21	15	301.63	60.96	296.14	60.40	274.21	56.45	265.98	55.88	252.27	55.32	246.79	54.75		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT084S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	106.31	68.00	105.34	67.37	97.54	62.96	94.61	62.33	89.73	61.70	87.78	61.08	
	-18.80	-19.00	114.93	69.60	113.88	68.96	105.44	64.45	102.28	63.80	97.01	63.16	94.90	62.52	
	-14.7	-15	129.30	72.49	128.11	71.82	118.62	67.12	115.07	66.45	109.13	65.78	106.76	65.11	
	-12.6	-13	143.67	73.13	142.35	72.46	131.81	67.72	127.85	67.04	121.26	66.36	118.62	65.68	
	-10.5	-11	155.16	73.77	153.74	73.09	142.35	68.31	138.08	67.63	130.96	66.94	128.11	66.26	
	-9.5	-10	163.78	75.06	162.28	74.36	150.26	69.50	145.75	68.80	138.24	68.11	135.23	67.41	
	-8.5	-9.1	172.40	76.98	170.82	76.27	158.17	71.28	153.42	70.57	145.51	69.85	142.35	69.14	
	-7	-7.6	201.13	78.91	199.29	78.18	184.53	73.06	178.99	72.33	169.76	71.60	166.07	70.87	
	-5	-5.6	215.50	82.11	213.52	81.35	197.71	76.03	191.78	75.27	181.89	74.51	177.94	73.75	
	-3	-3.7	229.87	86.61	227.76	85.80	210.89	80.19	204.56	79.39	194.02	78.59	189.80	77.78	
	0	-0.7	252.85	84.68	250.53	83.90	231.98	78.41	225.02	77.62	213.42	76.84	208.78	76.06	
	3	2.2	272.97	76.98	270.46	76.27	250.43	71.28	242.92	70.57	230.40	69.85	225.39	69.14	
	5	4.1	278.71	73.77	276.16	73.09	255.70	68.31	248.03	67.63	235.25	66.94	230.13	66.26	
	7	6	287.33	64.15	284.70	63.56	263.61	59.40	255.70	58.81	242.52	58.21	237.25	57.62	
	9	7.9	293.08	63.51	290.39	62.92	268.88	58.81	260.82	58.22	247.37	57.63	241.99	57.04	
	11	9.8	293.08	62.87	290.39	62.29	268.88	58.21	260.82	57.63	247.37	57.05	241.99	56.47	
	13	11.8	293.08	62.55	290.39	61.97	268.88	57.92	260.82	57.34	247.37	56.76	241.99	56.18	
	15	13.7	293.08	62.23	290.39	61.65	268.88	57.62	260.82	57.04	247.37	56.47	241.99	55.89	
19	14.2	295.77	61.91	290.39	61.33	268.88	57.32	260.82	56.75	247.37	56.17	241.99	55.60		
21	15	295.77	61.59	290.39	61.02	268.88	57.02	260.82	56.45	247.37	55.88	241.99	55.31		
100%	-22.90	-23.00	105.26	68.69	104.30	68.05	96.57	63.60	93.67	62.96	88.84	62.33	86.91	61.69	
	-18.80	-19.00	113.80	70.31	112.75	69.66	104.40	65.10	101.27	64.45	96.05	63.80	93.96	63.15	
	-14.7	-15	128.02	73.22	126.85	72.55	117.45	67.80	113.93	67.12	108.05	66.44	105.71	65.77	
	-12.6	-13	142.25	73.87	140.94	73.19	130.50	68.40	126.59	67.72	120.06	67.03	117.45	66.35	
	-10.5	-11	153.62	74.52	152.22	73.83	140.94	69.00	136.71	68.31	129.66	67.62	126.85	66.93	
	-9.5	-10	162.16	75.82	160.67	75.11	148.77	70.20	144.31	69.50	136.87	68.80	133.89	68.09	
	-8.5	-9.1	170.69	77.76	169.13	77.04	156.60	72.00	151.90	71.28	144.07	70.56	140.94	69.84	
	-7	-7.6	199.14	79.70	197.32	78.97	182.70	73.80	177.22	73.06	168.08	72.32	164.43	71.59	
	-5	-5.6	213.37	82.94	211.41	82.18	195.75	76.80	189.88	76.03	180.09	75.26	176.18	74.50	
	-3	-3.7	227.59	87.48	225.50	86.67	208.80	81.00	202.54	80.19	192.10	79.38	187.92	78.57	
	0	-0.7	250.35	85.54	248.05	84.74	229.68	79.20	222.79	78.41	211.31	77.62	206.71	76.82	
	3	2.2	270.27	77.76	267.79	77.04	247.95	72.00	240.51	71.28	228.11	70.56	223.16	69.84	
	5	4.1	275.96	74.52	273.42	73.83	253.17	69.00	245.57	68.31	232.92	67.62	227.85	66.93	
	7	6	284.49	64.80	281.88	64.20	261.00	60.00	253.17	59.40	240.12	58.80	234.90	58.20	
	9	7.9	290.18	64.15	287.52	63.56	266.22	59.40	258.23	58.81	244.92	58.21	239.60	57.62	
	11	9.8	290.18	63.50	287.52	62.92	266.22	58.80	258.23	58.21	244.92	57.62	239.60	57.04	
	13	11.8	290.18	63.18	287.52	62.60	266.22	58.50	258.23	57.92	244.92	57.33	239.60	56.75	
	15	13.7	290.18	62.86	287.52	62.27	266.22	58.20	258.23	57.62	244.92	57.04	239.60	56.45	
19	14.2	292.84	62.53	287.52	61.95	266.22	57.90	258.23	57.32	244.92	56.74	239.60	56.16		
21	15	292.84	62.21	287.52	61.63	266.22	57.60	258.23	57.02	244.92	56.45	239.60	55.87		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT084S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	96.84	62.51	95.95	61.93	88.84	57.88	86.18	57.30	81.74	56.72	79.96	56.14	
	-18.80	-19.00	104.69	63.98	103.73	63.39	96.05	59.24	93.17	58.65	88.36	58.06	86.44	57.46	
	-14.7	-15	117.78	66.63	116.70	66.02	108.05	61.70	104.81	61.08	99.41	60.46	97.25	59.85	
	-12.6	-13	130.87	67.22	129.66	66.60	120.06	62.24	116.46	61.62	110.46	61.00	108.05	60.38	
	-10.5	-11	141.33	67.81	140.04	67.19	129.66	62.79	125.77	62.16	119.29	61.53	116.70	60.91	
	-9.5	-10	149.19	68.99	147.82	68.35	136.87	63.88	132.76	63.24	125.92	62.60	123.18	61.97	
	-8.5	-9.1	157.04	70.76	155.60	70.11	144.07	65.52	139.75	64.86	132.55	64.21	129.66	63.55	
	-7	-7.6	183.21	72.53	181.53	71.86	168.08	67.16	163.04	66.49	154.64	65.81	151.28	65.14	
	-5	-5.6	196.30	75.48	194.50	74.78	180.09	69.89	174.69	69.19	165.68	68.49	162.08	67.79	
	-3	-3.7	209.38	79.61	207.46	78.87	192.10	73.71	186.33	72.97	176.73	72.24	172.89	71.50	
	0	-0.7	230.32	77.84	228.21	77.12	211.31	72.07	204.97	71.35	194.40	70.63	190.18	69.91	
	3	2.2	248.64	70.76	246.36	70.11	228.11	65.52	221.27	64.86	209.86	64.21	205.30	63.55	
	5	4.1	253.88	67.81	251.55	67.19	232.92	62.79	225.93	62.16	214.28	61.53	209.62	60.91	
	7	6	261.73	58.97	259.33	58.42	240.12	54.60	232.92	54.05	220.91	53.51	216.11	52.96	
	9	7.9	266.97	58.38	264.52	57.84	244.92	54.05	237.57	53.51	225.33	52.97	220.43	52.43	
	11	9.8	266.97	57.79	264.52	57.25	244.92	53.51	237.57	52.97	225.33	52.44	220.43	51.90	
	13	11.8	266.97	57.49	264.52	56.96	244.92	53.24	237.57	52.70	225.33	52.17	220.43	51.64	
	15	13.7	266.97	57.20	264.52	56.67	244.92	52.96	237.57	52.43	225.33	51.90	220.43	51.37	
19	14.2	269.41	56.90	264.52	56.38	244.92	52.69	237.57	52.16	225.33	51.64	220.43	51.11		
21	15	269.41	56.61	264.52	56.09	244.92	52.42	237.57	51.89	225.33	51.37	220.43	50.84		
80%	-22.90	-23.00	85.26	50.63	84.48	50.16	78.22	46.88	75.88	46.41	71.96	45.94	70.40	45.47	
	-18.80	-19.00	92.17	51.82	91.33	51.34	84.56	47.99	82.03	47.51	77.80	47.03	76.11	46.55	
	-14.7	-15	103.70	53.97	102.75	53.47	95.13	49.98	92.28	49.48	87.52	48.98	85.62	48.48	
	-12.6	-13	115.22	54.45	114.16	53.95	105.71	50.42	102.53	49.91	97.25	49.41	95.13	48.91	
	-10.5	-11	124.44	54.93	123.29	54.42	114.16	50.86	110.74	50.35	105.03	49.84	102.75	49.33	
	-9.5	-10	131.35	55.88	130.14	55.37	120.50	51.74	116.89	51.23	110.86	50.71	108.45	50.19	
	-8.5	-9.1	138.26	57.32	136.99	56.79	126.85	53.07	123.04	52.54	116.70	52.01	114.16	51.48	
	-7	-7.6	161.31	58.75	159.83	58.21	147.99	54.40	143.55	53.85	136.15	53.31	133.19	52.77	
	-5	-5.6	172.83	61.14	171.24	60.57	158.56	56.61	153.80	56.04	145.87	55.48	142.70	54.91	
	-3	-3.7	184.35	64.48	182.66	63.88	169.13	59.71	164.05	59.11	155.60	58.51	152.22	57.91	
	0	-0.7	202.78	63.05	200.92	62.46	186.04	58.38	180.46	57.79	171.16	57.21	167.44	56.63	
	3	2.2	218.92	57.32	216.91	56.79	200.84	53.07	194.81	52.54	184.77	52.01	180.76	51.48	
	5	4.1	223.52	54.93	221.47	54.42	205.07	50.86	198.92	50.35	188.66	49.84	184.56	49.33	
	7	6	230.44	47.76	228.32	47.32	211.41	44.23	205.07	43.78	194.50	43.34	190.27	42.90	
	9	7.9	235.05	47.29	232.89	46.85	215.64	43.78	209.17	43.35	198.39	42.91	194.07	42.47	
	11	9.8	235.05	46.81	232.89	46.38	215.64	43.34	209.17	42.91	198.39	42.47	194.07	42.04	
	13	11.8	235.05	46.57	232.89	46.14	215.64	43.12	209.17	42.69	198.39	42.26	194.07	41.83	
	15	13.7	235.05	46.33	232.89	45.90	215.64	42.90	209.17	42.47	198.39	42.04	194.07	41.61	
19	14.2	237.20	46.09	232.89	45.67	215.64	42.68	209.17	42.25	198.39	41.82	194.07	41.40		
21	15	237.20	45.85	232.89	45.43	215.64	42.46	209.17	42.03	198.39	41.61	194.07	41.18		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT084S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	73.68	48.08	73.01	47.64	67.60	44.52	65.57	44.07	62.19	43.63	60.84	43.18	
	-18.80	-19.00	79.66	49.22	78.93	48.76	73.08	45.57	70.89	45.11	67.23	44.66	65.77	44.20	
	-14.7	-15	89.61	51.26	88.79	50.78	82.22	47.46	79.75	46.99	75.64	46.51	73.99	46.04	
	-12.6	-13	99.57	51.71	98.66	51.23	91.35	47.88	88.61	47.40	84.04	46.92	82.22	46.44	
	-10.5	-11	107.54	52.16	106.55	51.68	98.66	48.30	95.70	47.82	90.77	47.33	88.79	46.85	
	-9.5	-10	113.51	53.07	112.47	52.58	104.14	49.14	101.01	48.65	95.81	48.16	93.73	47.67	
	-8.5	-9.1	119.49	54.43	118.39	53.93	109.62	50.40	106.33	49.90	100.85	49.39	98.66	48.89	
	-7	-7.6	139.40	55.79	138.12	55.28	127.89	51.66	124.05	51.14	117.66	50.63	115.10	50.11	
	-5	-5.6	149.36	58.06	147.99	57.52	137.03	53.76	132.91	53.22	126.06	52.68	123.32	52.15	
	-3	-3.7	159.31	61.24	157.85	60.67	146.16	56.70	141.78	56.13	134.47	55.57	131.54	55.00	
	0	-0.7	175.25	59.88	173.64	59.32	160.78	55.44	155.95	54.89	147.91	54.33	144.70	53.78	
	3	2.2	189.19	54.43	187.45	53.93	173.57	50.40	168.36	49.90	159.68	49.39	156.21	48.89	
	5	4.1	193.17	52.16	191.40	51.68	177.22	48.30	171.90	47.82	163.04	47.33	159.50	46.85	
	7	6	199.14	45.36	197.32	44.94	182.70	42.00	177.22	41.58	168.08	41.16	164.43	40.74	
	9	7.9	203.13	44.91	201.26	44.49	186.35	41.58	180.76	41.16	171.45	40.75	167.72	40.33	
	11	9.8	203.13	44.45	201.26	44.04	186.35	41.16	180.76	40.75	171.45	40.34	167.72	39.93	
	13	11.8	203.13	44.23	201.26	43.82	186.35	40.95	180.76	40.54	171.45	40.13	167.72	39.72	
	15	13.7	203.13	44.00	201.26	43.59	186.35	40.74	180.76	40.33	171.45	39.93	167.72	39.52	
19	14.2	204.99	43.77	201.26	43.37	186.35	40.53	180.76	40.12	171.45	39.72	167.72	39.31		
21	15	204.99	43.55	201.26	43.14	186.35	40.32	180.76	39.92	171.45	39.51	167.72	39.11		
60%	-22.90	-23.00	66.31	42.59	65.71	42.19	60.84	39.43	59.01	39.04	55.97	38.64	54.76	38.25	
	-18.80	-19.00	71.69	43.59	71.03	43.19	65.77	40.36	63.80	39.96	60.51	39.55	59.19	39.15	
	-14.7	-15	80.65	45.40	79.91	44.98	73.99	42.04	71.77	41.62	68.07	41.20	66.59	40.77	
	-12.6	-13	89.61	45.80	88.79	45.38	82.22	42.41	79.75	41.98	75.64	41.56	73.99	41.14	
	-10.5	-11	96.78	46.20	95.90	45.77	88.79	42.78	86.13	42.35	81.69	41.92	79.91	41.50	
	-9.5	-10	102.16	47.01	101.22	46.57	93.73	43.52	90.91	43.09	86.23	42.65	84.35	42.22	
	-8.5	-9.1	107.54	48.21	106.55	47.76	98.66	44.64	95.70	44.19	90.77	43.75	88.79	43.30	
	-7	-7.6	125.46	49.42	124.31	48.96	115.10	45.76	111.65	45.30	105.89	44.84	103.59	44.38	
	-5	-5.6	134.42	51.43	133.19	50.95	123.32	47.62	119.62	47.14	113.46	46.66	110.99	46.19	
	-3	-3.7	143.38	54.24	142.07	53.74	131.54	50.22	127.60	49.72	121.02	49.22	118.39	48.71	
	0	-0.7	157.72	53.03	156.27	52.54	144.70	49.10	140.36	48.61	133.12	48.12	130.23	47.63	
	3	2.2	170.27	48.21	168.71	47.76	156.21	44.64	151.52	44.19	143.71	43.75	140.59	43.30	
	5	4.1	173.85	46.20	172.26	45.77	159.50	42.78	154.71	42.35	146.74	41.92	143.55	41.50	
	7	6	179.23	40.18	177.58	39.80	164.43	37.20	159.50	36.83	151.28	36.46	147.99	36.08	
	9	7.9	182.81	39.77	181.14	39.41	167.72	36.83	162.69	36.46	154.30	36.09	150.95	35.72	
	11	9.8	182.81	39.37	181.14	39.01	167.72	36.46	162.69	36.09	154.30	35.73	150.95	35.36	
	13	11.8	182.81	39.17	181.14	38.81	167.72	36.27	162.69	35.91	154.30	35.54	150.95	35.18	
	15	13.7	182.81	38.97	181.14	38.61	167.72	36.08	162.69	35.72	154.30	35.36	150.95	35.00	
19	14.2	184.49	38.77	181.14	38.41	167.72	35.90	162.69	35.54	154.30	35.18	150.95	34.82		
21	15	184.49	38.57	181.14	38.21	167.72	35.71	162.69	35.35	154.30	35.00	150.95	34.64		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT084S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	56.84	44.65	56.32	44.23	52.15	41.34	50.58	40.93	47.98	40.51	46.93	40.10	
	-18.80	-19.00	61.45	45.70	60.89	45.28	56.38	42.32	54.68	41.89	51.87	41.47	50.74	41.05	
	-14.7	-15	69.13	47.60	68.50	47.15	63.42	44.07	61.52	43.63	58.35	43.19	57.08	42.75	
	-12.6	-13	76.81	48.02	76.11	47.57	70.47	44.46	68.36	44.02	64.83	43.57	63.42	43.13	
	-10.5	-11	82.96	48.44	82.20	47.99	76.11	44.85	73.82	44.40	70.02	43.95	68.50	43.50	
	-9.5	-10	87.57	49.28	86.76	48.82	80.34	45.63	77.93	45.17	73.91	44.72	72.30	44.26	
	-8.5	-9.1	92.17	50.54	91.33	50.08	84.56	46.80	82.03	46.33	77.80	45.86	76.11	45.40	
	-7	-7.6	107.54	51.81	106.55	51.33	98.66	47.97	95.70	47.49	90.77	47.01	88.79	46.53	
	-5	-5.6	115.22	53.91	114.16	53.41	105.71	49.92	102.53	49.42	97.25	48.92	95.13	48.42	
	-3	-3.7	122.90	56.86	121.77	56.34	112.75	52.65	109.37	52.12	103.73	51.60	101.48	51.07	
	0	-0.7	135.19	55.60	133.95	55.08	124.03	51.48	120.31	50.97	114.11	50.45	111.62	49.94	
	3	2.2	145.94	50.54	144.60	50.08	133.89	46.80	129.88	46.33	123.18	45.86	120.50	45.40	
	5	4.1	149.02	48.44	147.65	47.99	136.71	44.85	132.61	44.40	125.77	43.95	123.04	43.50	
	7	6	153.62	42.12	152.22	41.73	140.94	39.00	136.71	38.61	129.66	38.22	126.85	37.83	
	9	7.9	156.70	41.70	155.26	41.31	143.76	38.61	139.45	38.22	132.26	37.84	129.38	37.45	
	11	9.8	156.70	41.28	155.26	40.90	143.76	38.22	139.45	37.84	132.26	37.46	129.38	37.07	
	13	11.8	156.70	41.07	155.26	40.69	143.76	38.03	139.45	37.64	132.26	37.26	129.38	36.88	
15	13.7	156.70	40.86	155.26	40.48	143.76	37.83	139.45	37.45	132.26	37.07	129.38	36.70		
19	14.2	158.13	40.65	155.26	40.27	143.76	37.64	139.45	37.26	132.26	36.88	129.38	36.51		
21	15	158.13	40.44	155.26	40.06	143.76	37.44	139.45	37.07	132.26	36.69	129.38	36.32		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT086S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	112.62	67.52	111.58	66.89	103.32	62.51	100.22	61.89	95.05	61.26	92.99	60.64	
	-18.80	-19.00	121.75	69.11	120.63	68.47	111.70	63.99	108.35	63.35	102.76	62.71	100.53	62.07	
	-14.7	-15	136.97	71.97	135.71	71.31	125.66	66.64	121.89	65.98	115.61	65.31	113.09	64.64	
	-12.6	-13	152.19	72.61	150.79	71.94	139.62	67.23	135.43	66.56	128.45	65.89	125.66	65.22	
	-10.5	-11	164.36	73.25	162.85	72.57	150.79	67.82	146.27	67.14	138.73	66.47	135.71	65.79	
	-9.5	-10	173.49	74.52	171.90	73.83	159.17	69.00	154.39	68.31	146.43	67.62	143.25	66.93	
	-8.5	-9.1	182.62	76.43	180.95	75.73	167.54	70.77	162.52	70.06	154.14	69.36	150.79	68.65	
	-7	-7.6	213.06	78.34	211.11	77.62	195.47	72.54	189.60	71.82	179.83	71.09	175.92	70.36	
	-5	-5.6	228.28	81.53	226.18	80.77	209.43	75.49	203.15	74.73	192.68	73.98	188.49	73.22	
	-3	-3.7	243.50	85.99	241.26	85.19	223.39	79.62	216.69	78.82	205.52	78.03	201.05	77.23	
	0	-0.7	267.85	84.08	265.39	83.30	245.73	77.85	238.36	77.07	226.07	76.29	221.16	75.51	
	3	2.2	289.15	76.43	286.50	75.73	265.28	70.77	257.32	70.06	244.06	69.36	238.75	68.65	
	5	4.1	295.24	73.25	292.53	72.57	270.86	67.82	262.74	67.14	249.19	66.47	243.78	65.79	
	7	6	304.37	63.69	301.58	63.10	279.24	58.98	270.86	58.39	256.90	57.80	251.32	57.21	
	9	7.9	310.46	63.06	307.61	62.47	284.82	58.39	276.28	57.80	262.04	57.22	256.34	56.63	
	11	9.8	310.46	62.42	307.61	61.84	284.82	57.80	276.28	57.22	262.04	56.64	256.34	56.06	
	13	11.8	310.46	62.10	307.61	61.53	284.82	57.50	276.28	56.93	262.04	56.35	256.34	55.78	
	15	13.7	310.46	61.78	307.61	61.21	284.82	57.21	276.28	56.63	262.04	56.06	256.34	55.49	
19	14.2	313.31	61.46	307.61	60.90	284.82	56.91	276.28	56.34	262.04	55.77	256.34	55.20		
21	15	313.31	61.15	307.61	60.58	284.82	56.62	276.28	56.05	262.04	55.48	256.34	54.92		
120%	-22.90	-23.00	111.53	68.21	110.51	67.58	102.33	63.16	99.26	62.53	94.14	61.90	92.09	61.26	
	-18.80	-19.00	120.58	69.82	119.47	69.17	110.62	64.65	107.30	64.00	101.77	63.36	99.56	62.71	
	-14.7	-15	135.65	72.72	134.41	72.04	124.45	67.33	120.72	66.66	114.49	65.98	112.00	65.31	
	-12.6	-13	150.72	73.36	149.34	72.68	138.28	67.93	134.13	67.25	127.22	66.57	124.45	65.89	
	-10.5	-11	162.78	74.00	161.29	73.32	149.34	68.52	144.86	67.84	137.39	67.15	134.41	66.47	
	-9.5	-10	171.82	75.29	170.25	74.59	157.64	69.71	152.91	69.02	145.03	68.32	141.87	67.62	
	-8.5	-9.1	180.87	77.22	179.21	76.51	165.93	71.50	160.96	70.79	152.66	70.07	149.34	69.36	
	-7	-7.6	211.01	79.15	209.08	78.42	193.59	73.29	187.78	72.56	178.10	71.82	174.23	71.09	
	-5	-5.6	226.08	82.37	224.01	81.61	207.42	76.27	201.19	75.50	190.82	74.74	186.67	73.98	
	-3	-3.7	241.16	86.87	238.94	86.07	221.24	80.44	214.61	79.63	203.54	78.83	199.12	78.03	
	0	-0.7	265.27	84.94	262.84	84.16	243.37	78.65	236.07	77.86	223.90	77.08	219.03	76.29	
	3	2.2	286.37	77.22	283.75	76.51	262.73	71.50	254.85	70.79	241.71	70.07	236.45	69.36	
	5	4.1	292.40	74.00	289.72	73.32	268.26	68.52	260.21	67.84	246.80	67.15	241.43	66.47	
	7	6	301.44	64.35	298.68	63.75	276.56	59.58	268.26	58.99	254.43	58.39	248.90	57.80	
	9	7.9	307.47	63.71	304.65	63.12	282.09	58.99	273.62	58.40	259.52	57.81	253.88	57.22	
	11	9.8	307.47	63.06	304.65	62.48	282.09	58.39	273.62	57.81	259.52	57.22	253.88	56.64	
	13	11.8	307.47	62.74	304.65	62.16	282.09	58.09	273.62	57.51	259.52	56.93	253.88	56.35	
	15	13.7	307.47	62.42	304.65	61.84	282.09	57.80	273.62	57.22	259.52	56.64	253.88	56.06	
19	14.2	310.29	62.10	304.65	61.52	282.09	57.50	273.62	56.92	259.52	56.35	253.88	55.77		
21	15	310.29	61.78	304.65	61.20	282.09	57.20	273.62	56.63	259.52	56.06	253.88	55.48		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT086S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	109.37	68.91	108.37	68.27	100.34	63.80	97.33	63.17	92.31	62.53	90.30	61.89	
	-18.80	-19.00	118.24	70.53	117.15	69.88	108.47	65.31	105.22	64.66	99.80	64.00	97.63	63.35	
	-14.7	-15	133.02	73.46	131.80	72.78	122.03	68.02	118.37	67.34	112.27	66.66	109.83	65.98	
	-12.6	-13	147.80	74.11	146.44	73.42	135.59	68.62	131.52	67.93	124.75	67.25	122.03	66.56	
	-10.5	-11	159.62	74.76	158.16	74.07	146.44	69.22	142.05	68.53	134.72	67.84	131.80	67.14	
	-9.5	-10	168.49	76.06	166.94	75.35	154.58	70.42	149.94	69.72	142.21	69.02	139.12	68.31	
	-8.5	-9.1	177.35	78.01	175.73	77.29	162.71	72.23	157.83	71.51	149.69	70.79	146.44	70.06	
	-7	-7.6	206.91	79.96	205.02	79.22	189.83	74.04	184.13	73.30	174.64	72.56	170.85	71.82	
	-5	-5.6	221.69	83.21	219.66	82.44	203.39	77.05	197.29	76.28	187.12	75.50	183.05	74.73	
	-3	-3.7	236.47	87.76	234.30	86.95	216.95	81.26	210.44	80.45	199.59	79.63	195.25	78.82	
	0	-0.7	260.12	85.81	257.73	85.02	238.64	79.45	231.48	78.66	219.55	77.86	214.78	77.07	
	3	2.2	280.81	78.01	278.24	77.29	257.63	72.23	249.90	71.51	237.02	70.79	231.86	70.06	
	5	4.1	286.72	74.76	284.09	74.07	263.05	69.22	255.16	68.53	242.01	67.84	236.74	67.14	
	7	6	295.59	65.01	292.88	64.41	271.19	60.19	263.05	59.59	249.49	58.99	244.07	58.39	
	9	7.9	301.50	64.36	298.74	63.76	276.61	59.59	268.31	58.99	254.48	58.40	248.95	57.80	
	11	9.8	301.50	63.71	298.74	63.12	276.61	58.99	268.31	58.40	254.48	57.81	248.95	57.22	
	13	11.8	301.50	63.38	298.74	62.80	276.61	58.69	268.31	58.10	254.48	57.51	248.95	56.93	
	15	13.7	301.50	63.06	298.74	62.47	276.61	58.39	268.31	57.80	254.48	57.22	248.95	56.63	
19	14.2	304.27	62.73	298.74	62.15	276.61	58.09	268.31	57.50	254.48	56.92	248.95	56.34		
21	15	304.27	62.41	298.74	61.83	276.61	57.78	268.31	57.21	254.48	56.63	248.95	56.05		
100%	-22.90	-23.00	108.29	69.60	107.29	68.96	99.35	64.45	96.36	63.80	91.40	63.16	89.41	62.51	
	-18.80	-19.00	117.07	71.25	115.99	70.59	107.40	65.97	104.18	65.31	98.81	64.65	96.66	63.99	
	-14.7	-15	131.70	74.20	130.49	73.51	120.83	68.70	117.20	68.02	111.16	67.33	108.74	66.64	
	-12.6	-13	146.33	74.86	144.99	74.16	134.25	69.31	130.22	68.62	123.51	67.93	120.83	67.23	
	-10.5	-11	158.04	75.51	156.59	74.81	144.99	69.92	140.64	69.22	133.39	68.52	130.49	67.82	
	-9.5	-10	166.82	76.83	165.29	76.12	153.05	71.14	148.45	70.42	140.80	69.71	137.74	69.00	
	-8.5	-9.1	175.60	78.80	173.99	78.07	161.10	72.96	156.27	72.23	148.21	71.50	144.99	70.77	
	-7	-7.6	204.87	80.77	202.99	80.02	187.95	74.78	182.31	74.04	172.91	73.29	169.16	72.54	
	-5	-5.6	219.50	84.05	217.49	83.27	201.38	77.82	195.33	77.05	185.27	76.27	181.24	75.49	
	-3	-3.7	234.13	88.65	231.98	87.83	214.80	82.08	208.36	81.26	197.62	80.44	193.32	79.62	
	0	-0.7	257.55	86.68	255.18	85.87	236.28	80.26	229.19	79.45	217.38	78.65	212.65	77.85	
	3	2.2	278.03	78.80	275.48	78.07	255.08	72.96	247.42	72.23	234.67	71.50	229.57	70.77	
	5	4.1	283.89	75.51	281.28	74.81	260.45	69.92	252.63	69.22	239.61	68.52	234.40	67.82	
	7	6	292.67	65.66	289.98	65.06	268.50	60.80	260.45	60.19	247.02	59.58	241.65	58.98	
	9	7.9	298.52	65.01	295.78	64.41	273.87	60.19	265.65	59.59	251.96	58.99	246.48	58.39	
	11	9.8	298.52	64.35	295.78	63.75	273.87	59.58	265.65	58.99	251.96	58.39	246.48	57.80	
	13	11.8	298.52	64.02	295.78	63.43	273.87	59.28	265.65	58.69	251.96	58.09	246.48	57.50	
	15	13.7	298.52	63.69	295.78	63.10	273.87	58.98	265.65	58.39	251.96	57.80	246.48	57.21	
19	14.2	301.26	63.37	295.78	62.78	273.87	58.67	265.65	58.09	251.96	57.50	246.48	56.91		
21	15	301.26	63.04	295.78	62.45	273.87	58.37	265.65	57.78	251.96	57.20	246.48	56.62		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT086S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	99.62	63.34	98.71	62.75	91.40	58.65	88.66	58.06	84.09	57.47	82.26	56.89	
	-18.80	-19.00	107.70	64.83	106.71	64.23	98.81	60.03	95.84	59.43	90.90	58.83	88.93	58.23	
	-14.7	-15	121.16	67.52	120.05	66.90	111.16	62.52	107.82	61.90	102.27	61.27	100.04	60.65	
	-12.6	-13	134.63	68.12	133.39	67.49	123.51	63.07	119.80	62.44	113.63	61.81	111.16	61.18	
	-10.5	-11	145.40	68.72	144.06	68.08	133.39	63.63	129.39	62.99	122.72	62.35	120.05	61.72	
	-9.5	-10	153.47	69.91	152.07	69.27	140.80	64.73	136.58	64.09	129.54	63.44	126.72	62.79	
	-8.5	-9.1	161.55	71.71	160.07	71.04	148.21	66.39	143.77	65.73	136.36	65.07	133.39	64.40	
	-7	-7.6	188.48	73.50	186.75	72.82	172.91	68.05	167.73	67.37	159.08	66.69	155.62	66.01	
	-5	-5.6	201.94	76.49	200.09	75.78	185.27	70.82	179.71	70.11	170.44	69.40	166.74	68.70	
	-3	-3.7	215.40	80.67	213.43	79.92	197.62	74.69	191.69	73.95	181.81	73.20	177.85	72.45	
	0	-0.7	236.94	78.88	234.77	78.15	217.38	73.03	210.86	72.30	199.99	71.57	195.64	70.84	
	3	2.2	255.79	71.71	253.44	71.04	234.67	66.39	227.63	65.73	215.90	65.07	211.20	64.40	
	5	4.1	261.17	68.72	258.78	68.08	239.61	63.63	232.42	62.99	220.44	62.35	215.65	61.72	
	7	6	269.25	59.75	266.78	59.20	247.02	55.33	239.61	54.77	227.26	54.22	222.32	53.67	
	9	7.9	274.64	59.16	272.12	58.61	251.96	54.77	244.40	54.23	231.80	53.68	226.76	53.13	
	11	9.8	274.64	58.56	272.12	58.02	251.96	54.22	244.40	53.68	231.80	53.14	226.76	52.59	
	13	11.8	274.64	58.26	272.12	57.72	251.96	53.94	244.40	53.41	231.80	52.87	226.76	52.33	
	15	13.7	274.64	57.96	272.12	57.42	251.96	53.67	244.40	53.13	231.80	52.59	226.76	52.06	
19	14.2	277.16	57.66	272.12	57.13	251.96	53.39	244.40	52.86	231.80	52.32	226.76	51.79		
21	15	277.16	57.36	272.12	56.83	251.96	53.11	244.40	52.58	231.80	52.05	226.76	51.52		
80%	-22.90	-23.00	87.71	51.30	86.91	50.83	80.47	47.50	78.06	47.03	74.03	46.55	72.42	46.08	
	-18.80	-19.00	94.82	52.52	93.95	52.03	86.99	48.63	84.38	48.14	80.03	47.65	78.29	47.17	
	-14.7	-15	106.68	54.69	105.70	54.19	97.87	50.64	94.93	50.14	90.04	49.63	88.08	49.12	
	-12.6	-13	118.53	55.18	117.44	54.67	108.74	51.09	105.48	50.58	100.04	50.07	97.87	49.56	
	-10.5	-11	128.01	55.66	126.84	55.15	117.44	51.54	113.92	51.02	108.05	50.51	105.70	49.99	
	-9.5	-10	135.12	56.63	133.88	56.10	123.97	52.43	120.25	51.91	114.05	51.39	111.57	50.86	
	-8.5	-9.1	142.24	58.08	140.93	57.54	130.49	53.78	126.58	53.24	120.05	52.70	117.44	52.17	
	-7	-7.6	165.94	59.53	164.42	58.98	152.24	55.12	147.67	54.57	140.06	54.02	137.02	53.47	
	-5	-5.6	177.79	61.95	176.16	61.38	163.11	57.36	158.22	56.79	150.06	56.22	146.80	55.64	
	-3	-3.7	189.65	65.34	187.91	64.74	173.99	60.50	168.77	59.90	160.07	59.29	156.59	58.69	
	0	-0.7	208.61	63.89	206.70	63.30	191.39	59.16	185.65	58.57	176.08	57.97	172.25	57.38	
	3	2.2	225.21	58.08	223.14	57.54	206.61	53.78	200.41	53.24	190.08	52.70	185.95	52.17	
	5	4.1	229.95	55.66	227.84	55.15	210.96	51.54	204.63	51.02	194.08	50.51	189.86	49.99	
	7	6	237.06	48.40	234.88	47.95	217.49	44.82	210.96	44.37	200.09	43.92	195.74	43.47	
	9	7.9	241.80	47.92	239.58	47.47	221.83	44.37	215.18	43.92	204.09	43.48	199.65	43.04	
	11	9.8	241.80	47.43	239.58	46.99	221.83	43.92	215.18	43.48	204.09	43.04	199.65	42.60	
	13	11.8	241.80	47.19	239.58	46.75	221.83	43.70	215.18	43.26	204.09	42.82	199.65	42.38	
	15	13.7	241.80	46.95	239.58	46.51	221.83	43.47	215.18	43.04	204.09	42.60	199.65	42.17	
19	14.2	244.02	46.71	239.58	46.27	221.83	43.25	215.18	42.81	204.09	42.38	199.65	41.95		
21	15	244.02	46.46	239.58	46.03	221.83	43.02	215.18	42.59	204.09	42.16	199.65	41.73		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT086S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	75.80	48.72	75.10	48.27	69.54	45.11	67.46	44.66	63.98	44.21	62.59	43.76	
	-18.80	-19.00	81.95	49.87	81.19	49.41	75.18	46.18	72.92	45.72	69.17	45.25	67.66	44.79	
	-14.7	-15	92.19	51.94	91.34	51.46	84.58	48.09	82.04	47.61	77.81	47.13	76.12	46.65	
	-12.6	-13	102.43	52.40	101.49	51.91	93.98	48.52	91.16	48.03	86.46	47.55	84.58	47.06	
	-10.5	-11	110.63	52.86	109.61	52.37	101.49	48.94	98.45	48.45	93.37	47.97	91.34	47.48	
	-9.5	-10	116.77	53.78	115.70	53.28	107.13	49.80	103.92	49.30	98.56	48.80	96.42	48.30	
	-8.5	-9.1	122.92	55.16	121.79	54.65	112.77	51.07	109.39	50.56	103.75	50.05	101.49	49.54	
	-7	-7.6	143.41	56.54	142.09	56.01	131.57	52.35	127.62	51.83	121.04	51.30	118.41	50.78	
	-5	-5.6	153.65	58.83	152.24	58.29	140.96	54.48	136.73	53.93	129.69	53.39	126.87	52.84	
	-3	-3.7	163.89	62.05	162.39	61.48	150.36	57.46	145.85	56.88	138.33	56.31	135.32	55.73	
	0	-0.7	180.28	60.67	178.63	60.11	165.40	56.18	160.43	55.62	152.16	55.06	148.86	54.49	
	3	2.2	194.62	55.16	192.84	54.65	178.55	51.07	173.20	50.56	164.27	50.05	160.70	49.54	
	5	4.1	198.72	52.86	196.90	52.37	182.31	48.94	176.84	48.45	167.73	47.97	164.08	47.48	
	7	6	204.87	45.96	202.99	45.54	187.95	42.56	182.31	42.13	172.91	41.71	169.16	41.28	
	9	7.9	208.96	45.51	207.05	45.08	191.71	42.13	185.96	41.71	176.37	41.29	172.54	40.87	
	11	9.8	208.96	45.05	207.05	44.63	191.71	41.71	185.96	41.29	176.37	40.87	172.54	40.46	
	13	11.8	208.96	44.82	207.05	44.40	191.71	41.50	185.96	41.08	176.37	40.67	172.54	40.25	
	15	13.7	208.96	44.59	207.05	44.17	191.71	41.28	185.96	40.87	176.37	40.46	172.54	40.04	
19	14.2	210.88	44.36	207.05	43.95	191.71	41.07	185.96	40.66	176.37	40.25	172.54	39.84		
21	15	210.88	44.13	207.05	43.72	191.71	40.86	185.96	40.45	176.37	40.04	172.54	39.63		
60%	-22.90	-23.00	68.22	43.15	67.59	42.75	62.59	39.96	60.71	39.56	57.58	39.16	56.33	38.76	
	-18.80	-19.00	73.75	44.17	73.07	43.76	67.66	40.90	65.63	40.49	62.25	40.08	60.90	39.67	
	-14.7	-15	82.97	46.00	82.21	45.58	76.12	42.60	73.84	42.17	70.03	41.74	68.51	41.32	
	-12.6	-13	92.19	46.41	91.34	45.98	84.58	42.97	82.04	42.54	77.81	42.11	76.12	41.68	
	-10.5	-11	99.56	46.82	98.65	46.38	91.34	43.35	88.60	42.92	84.04	42.48	82.21	42.05	
	-9.5	-10	105.10	47.63	104.13	47.19	96.42	44.10	93.53	43.66	88.70	43.22	86.78	42.78	
	-8.5	-9.1	110.63	48.85	109.61	48.40	101.49	45.24	98.45	44.78	93.37	44.33	91.34	43.88	
	-7	-7.6	129.07	50.08	127.88	49.61	118.41	46.37	114.86	45.90	108.94	45.44	106.57	44.98	
	-5	-5.6	138.28	52.11	137.02	51.63	126.87	48.25	123.06	47.77	116.72	47.29	114.18	46.80	
	-3	-3.7	147.50	54.96	146.15	54.45	135.32	50.89	131.26	50.38	124.50	49.87	121.79	49.36	
	0	-0.7	162.25	53.74	160.76	53.24	148.86	49.76	144.39	49.26	136.95	48.76	133.97	48.27	
	3	2.2	175.16	48.85	173.55	48.40	160.70	45.24	155.88	44.78	147.84	44.33	144.63	43.88	
	5	4.1	178.85	46.82	177.21	46.38	164.08	43.35	159.16	42.92	150.95	42.48	147.67	42.05	
	7	6	184.38	40.71	182.69	40.33	169.16	37.70	164.08	37.32	155.62	36.94	152.24	36.57	
	9	7.9	188.07	40.30	186.34	39.93	172.54	37.32	167.36	36.95	158.74	36.57	155.28	36.20	
	11	9.8	188.07	39.90	186.34	39.53	172.54	36.94	167.36	36.57	158.74	36.20	155.28	35.83	
	13	11.8	188.07	39.69	186.34	39.33	172.54	36.75	167.36	36.39	158.74	36.02	155.28	35.65	
	15	13.7	188.07	39.49	186.34	39.12	172.54	36.57	167.36	36.20	158.74	35.83	155.28	35.47	
19	14.2	189.79	39.29	186.34	38.92	172.54	36.38	167.36	36.01	158.74	35.65	155.28	35.29		
21	15	189.79	39.08	186.34	38.72	172.54	36.19	167.36	35.83	158.74	35.46	155.28	35.10		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT086S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-22.90	-23.00	58.47	45.24	57.94	44.82	53.65	41.89	52.04	41.47	49.35	41.05	48.28	40.63	
	-18.80	-19.00	63.22	46.31	62.64	45.88	58.00	42.88	56.26	42.45	53.36	42.02	52.20	41.59	
	-14.7	-15	71.12	48.23	70.47	47.78	65.25	44.66	63.29	44.21	60.03	43.76	58.72	43.32	
	-12.6	-13	79.02	48.66	78.29	48.21	72.50	45.05	70.32	44.60	66.70	44.15	65.25	43.70	
	-10.5	-11	85.34	49.08	84.56	48.63	78.29	45.45	75.95	44.99	72.03	44.54	70.47	44.08	
	-9.5	-10	90.08	49.94	89.26	49.48	82.64	46.24	80.16	45.78	76.03	45.31	74.38	44.85	
	-8.5	-9.1	94.82	51.22	93.95	50.74	86.99	47.42	84.38	46.95	80.03	46.48	78.29	46.00	
	-7	-7.6	110.63	52.50	109.61	52.01	101.49	48.61	98.45	48.12	93.37	47.64	91.34	47.15	
	-5	-5.6	118.53	54.63	117.44	54.13	108.74	50.59	105.48	50.08	100.04	49.57	97.87	49.07	
	-3	-3.7	126.43	57.62	125.27	57.09	115.99	53.35	112.51	52.82	106.71	52.28	104.39	51.75	
	0	-0.7	139.07	56.34	137.80	55.82	127.59	52.17	123.76	51.64	117.38	51.12	114.83	50.60	
	3	2.2	150.14	51.22	148.76	50.74	137.74	47.42	133.61	46.95	126.72	46.48	123.97	46.00	
	5	4.1	153.30	49.08	151.89	48.63	140.64	45.45	136.42	44.99	129.39	44.54	126.58	44.08	
	7	6	158.04	42.68	156.59	42.29	144.99	39.52	140.64	39.12	133.39	38.73	130.49	38.33	
	9	7.9	161.20	42.25	159.72	41.86	147.89	39.12	143.45	38.73	136.06	38.34	133.10	37.95	
	11	9.8	161.20	41.83	159.72	41.44	147.89	38.73	143.45	38.34	136.06	37.96	133.10	37.57	
	13	11.8	161.20	41.61	159.72	41.23	147.89	38.53	143.45	38.15	136.06	37.76	133.10	37.38	
	15	13.7	161.20	41.40	159.72	41.02	147.89	38.33	143.45	37.95	136.06	37.57	133.10	37.18	
19	14.2	162.68	41.19	159.72	40.81	147.89	38.14	143.45	37.76	136.06	37.37	133.10	36.99		
21	15	162.68	40.97	159.72	40.59	147.89	37.94	143.45	37.56	136.06	37.18	133.10	36.80		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT088S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	115.76	68.40	114.70	67.77	106.20	63.34	103.02	62.70	97.71	62.07	95.58	61.44	
	-18.80	-19.00	125.15	70.02	124.00	69.37	114.82	64.83	111.37	64.18	105.63	63.53	103.33	62.89	
	-14.7	-15	140.79	72.92	139.50	72.25	129.17	67.52	125.29	66.84	118.83	66.17	116.25	65.49	
	-12.6	-13	156.44	73.57	155.00	72.89	143.52	68.12	139.21	67.44	132.04	66.75	129.17	66.07	
	-10.5	-11	168.95	74.21	167.40	73.52	155.00	68.71	150.35	68.03	142.60	67.34	139.50	66.65	
	-9.5	-10	178.34	75.50	176.70	74.80	163.61	69.91	158.70	69.21	150.52	68.51	147.25	67.81	
	-8.5	-9.1	187.72	77.44	186.00	76.72	172.22	71.70	167.06	70.99	158.45	70.27	155.00	69.55	
	-7	-7.6	219.01	79.37	217.00	78.64	200.93	73.49	194.90	72.76	184.85	72.03	180.84	71.29	
	-5	-5.6	234.66	82.60	232.50	81.84	215.28	76.48	208.82	75.72	198.06	74.95	193.75	74.19	
	-3	-3.7	250.30	87.12	248.00	86.31	229.63	80.67	222.74	79.86	211.26	79.05	206.67	78.25	
	0	-0.7	275.33	85.18	272.80	84.39	252.60	78.87	245.02	78.08	232.39	77.30	227.34	76.51	
	3	2.2	297.23	77.44	294.50	76.72	272.69	71.70	264.51	70.99	250.87	70.27	245.42	69.55	
	5	4.1	303.49	74.21	300.70	73.52	278.43	68.71	270.08	68.03	256.15	67.34	250.59	66.65	
	7	6	312.87	64.53	310.00	63.93	287.04	59.75	278.43	59.15	264.08	58.56	258.34	57.96	
	9	7.9	319.13	63.89	316.20	63.30	292.78	59.15	284.00	58.56	269.36	57.97	263.50	57.38	
	11	9.8	319.13	63.24	316.20	62.66	292.78	58.56	284.00	57.97	269.36	57.39	263.50	56.80	
	13	11.8	319.13	62.92	316.20	62.34	292.78	58.26	284.00	57.68	269.36	57.09	263.50	56.51	
	15	13.7	319.13	62.60	316.20	62.02	292.78	57.96	284.00	57.38	269.36	56.80	263.50	56.22	
19	14.2	322.06	62.27	316.20	61.70	292.78	57.66	284.00	57.08	269.36	56.51	263.50	55.93		
21	15	322.06	61.95	316.20	61.38	292.78	57.36	284.00	56.79	269.36	56.21	263.50	55.64		
120%	-22.90	-23.00	114.65	69.11	113.60	68.47	105.18	63.99	102.03	63.35	96.77	62.71	94.67	62.07	
	-18.80	-19.00	123.95	70.74	122.81	70.08	113.71	65.50	110.30	64.84	104.62	64.19	102.34	63.53	
	-14.7	-15	139.44	73.67	138.16	72.99	127.93	68.22	124.09	67.53	117.69	66.85	115.13	66.17	
	-12.6	-13	154.93	74.33	153.51	73.64	142.14	68.82	137.88	68.13	130.77	67.44	127.93	66.75	
	-10.5	-11	167.33	74.98	165.79	74.28	153.51	69.42	148.91	68.73	141.23	68.03	138.16	67.34	
	-9.5	-10	176.62	76.28	175.00	75.57	162.04	70.63	157.18	69.92	149.08	69.22	145.84	68.51	
	-8.5	-9.1	185.92	78.24	184.21	77.51	170.57	72.44	165.45	71.72	156.92	70.99	153.51	70.27	
	-7	-7.6	216.91	80.19	214.92	79.45	199.00	74.25	193.03	73.51	183.08	72.77	179.10	72.03	
	-5	-5.6	232.40	83.45	230.27	82.68	213.21	77.27	206.81	76.50	196.15	75.73	191.89	74.95	
	-3	-3.7	247.89	88.02	245.62	87.20	227.42	81.50	220.60	80.68	209.23	79.87	204.68	79.05	
	0	-0.7	272.68	86.06	270.18	85.26	250.17	79.69	242.66	78.89	230.15	78.09	225.15	77.30	
	3	2.2	294.37	78.24	291.67	77.51	270.07	72.44	261.96	71.72	248.46	70.99	243.06	70.27	
	5	4.1	300.57	74.98	297.81	74.28	275.75	69.42	267.48	68.73	253.69	68.03	248.18	67.34	
	7	6	309.87	65.20	307.02	64.59	284.28	60.37	275.75	59.76	261.54	59.16	255.85	58.56	
	9	7.9	316.06	64.55	313.16	63.95	289.97	59.76	281.27	59.17	266.77	58.57	260.97	57.97	
	11	9.8	316.06	63.89	313.16	63.30	289.97	59.16	281.27	58.57	266.77	57.98	260.97	57.39	
	13	11.8	316.06	63.57	313.16	62.98	289.97	58.86	281.27	58.27	266.77	57.68	260.97	57.09	
	15	13.7	316.06	63.24	313.16	62.66	289.97	58.56	281.27	57.97	266.77	57.39	260.97	56.80	
19	14.2	318.96	62.92	313.16	62.33	289.97	58.26	281.27	57.67	266.77	57.09	260.97	56.51		
21	15	318.96	62.59	313.16	62.01	289.97	57.95	281.27	57.37	266.77	56.79	260.97	56.21		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT088S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-22.90	-23.00	112.42	69.81	111.39	69.17	103.14	64.64	100.05	64.00	94.89	63.35	92.83	62.70	
	-18.80	-19.00	121.54	71.46	120.42	70.80	111.50	66.17	108.16	65.51	102.58	64.84	100.35	64.18	
	-14.7	-15	136.73	74.42	135.48	73.74	125.44	68.91	121.68	68.22	115.41	67.53	112.90	66.84	
	-12.6	-13	151.92	75.08	150.53	74.39	139.38	69.52	135.20	68.83	128.23	68.13	125.44	67.44	
	-10.5	-11	164.08	75.74	162.57	75.04	150.53	70.13	146.01	69.43	138.49	68.73	135.48	68.03	
	-9.5	-10	173.19	77.06	171.60	76.35	158.89	71.35	154.13	70.64	146.18	69.92	143.00	69.21	
	-8.5	-9.1	182.31	79.04	180.64	78.30	167.26	73.18	162.24	72.45	153.88	71.72	150.53	70.99	
	-7	-7.6	212.69	81.01	210.74	80.26	195.13	75.01	189.28	74.26	179.52	73.51	175.62	72.76	
	-5	-5.6	227.89	84.30	225.80	83.52	209.07	78.06	202.80	77.28	192.34	76.50	188.16	75.72	
	-3	-3.7	243.08	88.91	240.85	88.09	223.01	82.33	216.32	81.51	205.17	80.68	200.71	79.86	
	0	-0.7	267.39	86.94	264.93	86.13	245.31	80.50	237.95	79.69	225.68	78.89	220.78	78.08	
	3	2.2	288.66	79.04	286.01	78.30	264.82	73.18	256.88	72.45	243.64	71.72	238.34	70.99	
	5	4.1	294.73	75.74	292.03	75.04	270.40	70.13	262.29	69.43	248.77	68.73	243.36	68.03	
	7	6	303.85	65.86	301.06	65.25	278.76	60.98	270.40	60.37	256.46	59.76	250.88	59.15	
	9	7.9	309.93	65.20	307.08	64.60	284.34	60.37	275.81	59.77	261.59	59.17	255.90	58.56	
	11	9.8	309.93	64.55	307.08	63.95	284.34	59.76	275.81	59.17	261.59	58.57	255.90	57.97	
	13	11.8	309.93	64.22	307.08	63.62	284.34	59.46	275.81	58.86	261.59	58.27	255.90	57.68	
	15	13.7	309.93	63.89	307.08	63.30	284.34	59.15	275.81	58.56	261.59	57.97	255.90	57.38	
19	14.2	312.77	63.56	307.08	62.97	284.34	58.85	275.81	58.26	261.59	57.67	255.90	57.08		
21	15	312.77	63.23	307.08	62.64	284.34	58.54	275.81	57.96	261.59	57.37	255.90	56.79		
100%	-22.90	-23.00	111.31	70.52	110.29	69.87	102.12	65.30	99.06	64.64	93.95	63.99	91.91	63.34	
	-18.80	-19.00	120.34	72.18	119.23	71.51	110.40	66.84	107.09	66.17	101.57	65.50	99.36	64.83	
	-14.7	-15	135.38	75.18	134.14	74.48	124.20	69.61	120.47	68.91	114.26	68.22	111.78	67.52	
	-12.6	-13	150.42	75.84	149.04	75.14	138.00	70.22	133.86	69.52	126.96	68.82	124.20	68.12	
	-10.5	-11	162.45	76.51	160.96	75.80	149.04	70.84	144.57	70.13	137.12	69.42	134.14	68.71	
	-9.5	-10	171.48	77.84	169.91	77.12	157.32	72.07	152.60	71.35	144.73	70.63	141.59	69.91	
	-8.5	-9.1	180.50	79.83	178.85	79.09	165.60	73.92	160.63	73.18	152.35	72.44	149.04	71.70	
	-7	-7.6	210.59	81.83	208.66	81.07	193.20	75.77	187.40	75.01	177.74	74.25	173.88	73.49	
	-5	-5.6	225.63	85.16	223.56	84.37	207.00	78.85	200.79	78.06	190.44	77.27	186.30	76.48	
	-3	-3.7	240.67	89.81	238.46	88.98	220.80	83.16	214.18	82.33	203.14	81.50	198.72	80.67	
	0	-0.7	264.74	87.82	262.31	87.00	242.88	81.31	235.59	80.50	223.45	79.69	218.59	78.87	
	3	2.2	285.80	79.83	283.18	79.09	262.20	73.92	254.33	73.18	241.22	72.44	235.98	71.70	
	5	4.1	291.81	76.51	289.14	75.80	267.72	70.84	259.69	70.13	246.30	69.42	240.95	68.71	
	7	6	300.84	66.53	298.08	65.91	276.00	61.60	267.72	60.98	253.92	60.37	248.40	59.75	
	9	7.9	306.86	65.86	304.04	65.25	281.52	60.98	273.07	60.37	259.00	59.76	253.37	59.15	
	11	9.8	306.86	65.20	304.04	64.59	281.52	60.37	273.07	59.76	259.00	59.16	253.37	58.56	
	13	11.8	306.86	64.86	304.04	64.26	281.52	60.06	273.07	59.46	259.00	58.86	253.37	58.26	
	15	13.7	306.86	64.53	304.04	63.93	281.52	59.75	273.07	59.15	259.00	58.56	253.37	57.96	
19	14.2	309.67	64.20	304.04	63.61	281.52	59.44	273.07	58.85	259.00	58.26	253.37	57.66		
21	15	309.67	63.87	304.04	63.28	281.52	59.14	273.07	58.54	259.00	57.95	253.37	57.36		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT088S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	102.41	64.17	101.47	63.58	93.95	59.42	91.13	58.83	86.43	58.23	84.56	57.64	
	-18.80	-19.00	110.71	65.69	109.69	65.08	101.57	60.82	98.52	60.21	93.44	59.60	91.41	59.00	
	-14.7	-15	124.55	68.41	123.41	67.78	114.26	63.34	110.84	62.71	105.12	62.08	102.84	61.44	
	-12.6	-13	138.39	69.02	137.12	68.38	126.96	63.90	123.15	63.26	116.80	62.63	114.26	61.99	
	-10.5	-11	149.46	69.62	148.09	68.98	137.12	64.46	133.00	63.82	126.15	63.18	123.41	62.53	
	-9.5	-10	157.76	70.83	156.31	70.18	144.73	65.59	140.39	64.93	133.16	64.27	130.26	63.62	
	-8.5	-9.1	166.06	72.65	164.54	71.98	152.35	67.27	147.78	66.59	140.16	65.92	137.12	65.25	
	-7	-7.6	193.74	74.46	191.96	73.78	177.74	68.95	172.41	68.26	163.52	67.57	159.97	66.88	
	-5	-5.6	207.58	77.49	205.68	76.77	190.44	71.75	184.73	71.03	175.20	70.32	171.40	69.60	
	-3	-3.7	221.42	81.73	219.39	80.97	203.14	75.68	197.04	74.92	186.89	74.16	182.82	73.41	
	0	-0.7	243.56	79.91	241.33	79.17	223.45	73.99	216.75	73.25	205.57	72.51	201.10	71.77	
	3	2.2	262.93	72.65	260.52	71.98	241.22	67.27	233.99	66.59	221.93	65.92	217.10	65.25	
	5	4.1	268.47	69.62	266.01	68.98	246.30	64.46	238.91	63.82	226.60	63.18	221.67	62.53	
	7	6	276.77	60.54	274.23	59.98	253.92	56.06	246.30	55.50	233.61	54.93	228.53	54.37	
	9	7.9	282.31	59.94	279.72	59.38	259.00	55.50	251.23	54.94	238.28	54.39	233.10	53.83	
	11	9.8	282.31	59.33	279.72	58.78	259.00	54.93	251.23	54.39	238.28	53.84	233.10	53.29	
	13	11.8	282.31	59.03	279.72	58.48	259.00	54.65	251.23	54.11	238.28	53.56	233.10	53.01	
	15	13.7	282.31	58.72	279.72	58.18	259.00	54.37	251.23	53.83	238.28	53.29	233.10	52.74	
19	14.2	284.90	58.42	279.72	57.88	259.00	54.09	251.23	53.55	238.28	53.01	233.10	52.47		
21	15	284.90	58.12	279.72	57.58	259.00	53.81	251.23	53.28	238.28	52.74	233.10	52.20		
80%	-22.90	-23.00	90.16	51.98	89.33	51.50	82.72	48.13	80.24	47.65	76.10	47.17	74.45	46.69	
	-18.80	-19.00	97.47	53.21	96.58	52.71	89.42	49.26	86.74	48.77	82.27	48.28	80.48	47.79	
	-14.7	-15	109.66	55.41	108.65	54.90	100.60	51.31	97.58	50.79	92.55	50.28	90.54	49.77	
	-12.6	-13	121.84	55.90	120.72	55.39	111.78	51.76	108.43	51.24	102.84	50.73	100.60	50.21	
	-10.5	-11	131.59	56.39	130.38	55.87	120.72	52.22	117.10	51.69	111.06	51.17	108.65	50.65	
	-9.5	-10	138.90	57.37	137.62	56.84	127.43	53.12	123.61	52.59	117.23	52.06	114.69	51.53	
	-8.5	-9.1	146.21	58.85	144.87	58.30	134.14	54.49	130.11	53.94	123.41	53.40	120.72	52.85	
	-7	-7.6	170.58	60.32	169.01	59.76	156.49	55.85	151.80	55.29	143.97	54.73	140.84	54.17	
	-5	-5.6	182.76	62.77	181.08	62.19	167.67	58.12	162.64	57.54	154.26	56.96	150.90	56.38	
	-3	-3.7	194.94	66.20	193.16	65.59	178.85	61.30	173.48	60.68	164.54	60.07	160.96	59.46	
	0	-0.7	214.44	64.73	212.47	64.13	196.73	59.94	190.83	59.34	180.99	58.74	177.06	58.14	
	3	2.2	231.50	58.85	229.37	58.30	212.38	54.49	206.01	53.94	195.39	53.40	191.14	52.85	
	5	4.1	236.37	56.39	234.20	55.87	216.85	52.22	210.35	51.69	199.50	51.17	195.17	50.65	
	7	6	243.68	49.04	241.44	48.58	223.56	45.41	216.85	44.95	205.68	44.50	201.20	44.04	
	9	7.9	248.55	48.55	246.27	48.10	228.03	44.95	221.19	44.50	209.79	44.05	205.23	43.60	
	11	9.8	248.55	48.06	246.27	47.61	228.03	44.50	221.19	44.05	209.79	43.61	205.23	43.16	
	13	11.8	248.55	47.81	246.27	47.37	228.03	44.27	221.19	43.83	209.79	43.38	205.23	42.94	
	15	13.7	248.55	47.57	246.27	47.13	228.03	44.04	221.19	43.60	209.79	43.16	205.23	42.72	
19	14.2	250.83	47.32	246.27	46.88	228.03	43.82	221.19	43.38	209.79	42.94	205.23	42.50		
21	15	250.83	47.08	246.27	46.64	228.03	43.59	221.19	43.15	209.79	42.72	205.23	42.28		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT088S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	77.92	49.36	77.20	48.91	71.48	45.71	69.34	45.25	65.77	44.79	64.34	44.34	
	-18.80	-19.00	84.24	50.53	83.46	50.06	77.28	46.79	74.96	46.32	71.10	45.85	69.55	45.38	
	-14.7	-15	94.76	52.62	93.90	52.14	86.94	48.73	84.33	48.24	79.98	47.75	78.25	47.26	
	-12.6	-13	105.29	53.09	104.33	52.60	96.60	49.16	93.70	48.67	88.87	48.17	86.94	47.68	
	-10.5	-11	113.72	53.56	112.67	53.06	104.33	49.59	101.20	49.09	95.98	48.60	93.90	48.10	
	-9.5	-10	120.04	54.49	118.93	53.98	110.12	50.45	106.82	49.95	101.31	49.44	99.11	48.94	
	-8.5	-9.1	126.35	55.88	125.19	55.37	115.92	51.74	112.44	51.23	106.65	50.71	104.33	50.19	
	-7	-7.6	147.41	57.28	146.06	56.75	135.24	53.04	131.18	52.51	124.42	51.98	121.72	51.45	
	-5	-5.6	157.94	59.61	156.49	59.06	144.90	55.19	140.55	54.64	133.31	54.09	130.41	53.54	
	-3	-3.7	168.47	62.87	166.92	62.29	154.56	58.21	149.92	57.63	142.20	57.05	139.10	56.47	
	0	-0.7	185.32	61.47	183.62	60.90	170.02	56.92	164.92	56.35	156.41	55.78	153.01	55.21	
	3	2.2	200.06	55.88	198.22	55.37	183.54	51.74	178.03	51.23	168.86	50.71	165.19	50.19	
	5	4.1	204.27	53.56	202.40	53.06	187.40	49.59	181.78	49.09	172.41	48.60	168.66	48.10	
	7	6	210.59	46.57	208.66	46.14	193.20	43.12	187.40	42.69	177.74	42.26	173.88	41.83	
	9	7.9	214.80	46.10	212.83	45.68	197.06	42.69	191.15	42.26	181.30	41.84	177.36	41.41	
	11	9.8	214.80	45.64	212.83	45.22	197.06	42.26	191.15	41.84	181.30	41.41	177.36	40.99	
	13	11.8	214.80	45.41	212.83	44.98	197.06	42.04	191.15	41.62	181.30	41.20	177.36	40.78	
	15	13.7	214.80	45.17	212.83	44.75	197.06	41.83	191.15	41.41	181.30	40.99	177.36	40.57	
19	14.2	216.77	44.94	212.83	44.52	197.06	41.61	191.15	41.19	181.30	40.78	177.36	40.36		
21	15	216.77	44.71	212.83	44.29	197.06	41.40	191.15	40.98	181.30	40.57	177.36	40.15		
60%	-22.90	-23.00	70.13	43.72	69.48	43.32	64.34	40.48	62.41	40.08	59.19	39.67	57.90	39.27	
	-18.80	-19.00	75.81	44.75	75.12	44.34	69.55	41.44	67.47	41.02	63.99	40.61	62.60	40.20	
	-14.7	-15	85.29	46.61	84.51	46.18	78.25	43.16	75.90	42.73	71.99	42.29	70.42	41.86	
	-12.6	-13	94.76	47.02	93.90	46.59	86.94	43.54	84.33	43.10	79.98	42.67	78.25	42.23	
	-10.5	-11	102.35	47.43	101.41	47.00	93.90	43.92	91.08	43.48	86.38	43.04	84.51	42.60	
	-9.5	-10	108.03	48.26	107.04	47.81	99.11	44.68	96.14	44.24	91.18	43.79	89.20	43.34	
	-8.5	-9.1	113.72	49.50	112.67	49.04	104.33	45.83	101.20	45.37	95.98	44.91	93.90	44.46	
	-7	-7.6	132.67	50.73	131.45	50.26	121.72	46.98	118.06	46.51	111.98	46.04	109.54	45.57	
	-5	-5.6	142.15	52.80	140.84	52.31	130.41	48.89	126.50	48.40	119.98	47.91	117.37	47.42	
	-3	-3.7	151.62	55.68	150.23	55.17	139.10	51.56	134.93	51.04	127.98	50.53	125.19	50.01	
	0	-0.7	166.79	54.45	165.26	53.94	153.01	50.41	148.42	49.91	140.77	49.41	137.71	48.90	
	3	2.2	180.05	49.50	178.40	49.04	165.19	45.83	160.23	45.37	151.97	44.91	148.67	44.46	
	5	4.1	183.84	47.43	182.16	47.00	168.66	43.92	163.60	43.48	155.17	43.04	151.80	42.60	
	7	6	189.53	41.25	187.79	40.87	173.88	38.19	168.66	37.81	159.97	37.43	156.49	37.05	
	9	7.9	193.32	40.83	191.55	40.46	177.36	37.81	172.04	37.43	163.17	37.05	159.62	36.68	
	11	9.8	193.32	40.42	191.55	40.05	177.36	37.43	172.04	37.05	163.17	36.68	159.62	36.31	
	13	11.8	193.32	40.22	191.55	39.84	177.36	37.24	172.04	36.86	163.17	36.49	159.62	36.12	
	15	13.7	193.32	40.01	191.55	39.64	177.36	37.05	172.04	36.68	163.17	36.31	159.62	35.93	
19	14.2	195.09	39.80	191.55	39.44	177.36	36.86	172.04	36.49	163.17	36.12	159.62	35.75		
21	15	195.09	39.60	191.55	39.23	177.36	36.66	172.04	36.30	163.17	35.93	159.62	35.56		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT088S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	60.11	45.84	59.56	45.41	55.14	42.44	53.49	42.02	50.73	41.59	49.63	41.17	
	-18.80	-19.00	64.98	46.92	64.39	46.48	59.62	43.44	57.83	43.01	54.85	42.57	53.65	42.14	
	-14.7	-15	73.10	48.86	72.43	48.41	67.07	45.25	65.06	44.79	61.70	44.34	60.36	43.89	
	-12.6	-13	81.23	49.30	80.48	48.84	74.52	45.65	72.28	45.19	68.56	44.73	67.07	44.28	
	-10.5	-11	87.72	49.73	86.92	49.27	80.48	46.05	78.07	45.59	74.04	45.13	72.43	44.66	
	-9.5	-10	92.60	50.59	91.75	50.13	84.95	46.85	82.40	46.38	78.16	45.91	76.46	45.44	
	-8.5	-9.1	97.47	51.89	96.58	51.41	89.42	48.05	86.74	47.57	82.27	47.09	80.48	46.61	
	-7	-7.6	113.72	53.19	112.67	52.70	104.33	49.25	101.20	48.76	95.98	48.26	93.90	47.77	
	-5	-5.6	121.84	55.35	120.72	54.84	111.78	51.25	108.43	50.74	102.84	50.23	100.60	49.71	
	-3	-3.7	129.96	58.38	128.77	57.84	119.23	54.05	115.66	53.51	109.69	52.97	107.31	52.43	
	0	-0.7	142.96	57.08	141.65	56.55	131.16	52.85	127.22	52.32	120.66	51.80	118.04	51.27	
	3	2.2	154.33	51.89	152.92	51.41	141.59	48.05	137.34	47.57	130.26	47.09	127.43	46.61	
	5	4.1	157.58	49.73	156.13	49.27	144.57	46.05	140.23	45.59	133.00	45.13	130.11	44.66	
	7	6	162.45	43.24	160.96	42.84	149.04	40.04	144.57	39.64	137.12	39.24	134.14	38.84	
	9	7.9	165.70	42.81	164.18	42.41	152.02	39.64	147.46	39.24	139.86	38.85	136.82	38.45	
	11	9.8	165.70	42.38	164.18	41.99	152.02	39.24	147.46	38.85	139.86	38.45	136.82	38.06	
	13	11.8	165.70	42.16	164.18	41.77	152.02	39.04	147.46	38.65	139.86	38.26	136.82	37.87	
15	13.7	165.70	41.95	164.18	41.56	152.02	38.84	147.46	38.45	139.86	38.06	136.82	37.67		
19	14.2	167.22	41.73	164.18	41.34	152.02	38.64	147.46	38.25	139.86	37.87	136.82	37.48		
21	15	167.22	41.51	164.18	41.13	152.02	38.44	147.46	38.05	139.86	37.67	136.82	37.29		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT090S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	117.44	69.96	116.36	69.31	107.74	64.78	104.51	64.13	99.12	63.48	96.97	62.83	
	-18.80	-19.00	126.96	71.61	125.80	70.95	116.48	66.30	112.99	65.64	107.16	64.98	104.83	64.32	
	-14.7	-15	142.83	74.58	141.52	73.89	131.04	69.05	127.11	68.36	120.56	67.67	117.94	66.98	
	-12.6	-13	158.70	75.24	157.25	74.54	145.60	69.67	141.23	68.97	133.95	68.27	131.04	67.58	
	-10.5	-11	171.40	75.90	169.83	75.20	157.25	70.28	152.53	69.57	144.67	68.87	141.52	68.17	
	-9.5	-10	180.92	77.22	179.26	76.50	165.98	71.50	161.00	70.78	152.71	70.07	149.39	69.35	
	-8.5	-9.1	190.44	79.20	188.70	78.47	174.72	73.33	169.48	72.60	160.74	71.87	157.25	71.13	
	-7	-7.6	222.19	81.18	220.15	80.43	203.84	75.17	197.72	74.41	187.53	73.66	183.46	72.91	
	-5	-5.6	238.06	84.48	235.87	83.70	218.40	78.22	211.85	77.44	200.93	76.66	196.56	75.87	
	-3	-3.7	253.93	89.10	251.60	88.27	232.96	82.50	225.97	81.67	214.32	80.85	209.66	80.02	
	0	-0.7	279.32	87.12	276.76	86.31	256.26	80.67	248.57	79.86	235.76	79.05	230.63	78.25	
	3	2.2	301.54	79.20	298.77	78.47	276.64	73.33	268.34	72.60	254.51	71.87	248.98	71.13	
	5	4.1	307.89	75.90	305.06	75.20	282.46	70.28	273.99	69.57	259.87	68.87	254.22	68.17	
	7	6	317.41	66.00	314.50	65.39	291.20	61.11	282.46	60.50	267.90	59.89	262.08	59.28	
	9	7.9	323.76	65.34	320.79	64.73	297.02	60.50	288.11	59.89	273.26	59.29	267.32	58.68	
	11	9.8	323.76	64.68	320.79	64.08	297.02	59.89	288.11	59.29	273.26	58.69	267.32	58.09	
	13	11.8	323.76	64.35	320.79	63.75	297.02	59.58	288.11	58.99	273.26	58.39	267.32	57.79	
	15	13.7	323.76	64.02	320.79	63.43	297.02	59.28	288.11	58.68	273.26	58.09	267.32	57.50	
19	14.2	326.73	63.69	320.79	63.10	297.02	58.97	288.11	58.38	273.26	57.79	267.32	57.20		
21	15	326.73	63.36	320.79	62.77	297.02	58.67	288.11	58.08	273.26	57.49	267.32	56.91		
120%	-22.90	-23.00	116.31	70.68	115.24	70.03	106.71	65.44	103.51	64.79	98.17	64.14	96.04	63.48	
	-18.80	-19.00	125.74	72.35	124.59	71.68	115.36	66.99	111.90	66.32	106.13	65.65	103.82	64.98	
	-14.7	-15	141.46	75.35	140.16	74.65	129.78	69.77	125.89	69.07	119.40	68.37	116.80	67.67	
	-12.6	-13	157.18	76.01	155.74	75.31	144.20	70.38	139.87	69.68	132.66	68.98	129.78	68.27	
	-10.5	-11	169.75	76.68	168.19	75.97	155.74	71.00	151.06	70.29	143.28	69.58	140.16	68.87	
	-9.5	-10	179.18	78.01	177.54	77.29	164.39	72.24	159.46	71.51	151.24	70.79	147.95	70.07	
	-8.5	-9.1	188.61	80.02	186.88	79.27	173.04	74.09	167.85	73.35	159.20	72.61	155.74	71.87	
	-7	-7.6	220.05	82.02	218.03	81.26	201.88	75.94	195.82	75.18	185.73	74.42	181.69	73.66	
	-5	-5.6	235.77	85.35	233.60	84.56	216.30	79.03	209.81	78.24	199.00	77.45	194.67	76.66	
	-3	-3.7	251.48	90.02	249.18	89.18	230.72	83.35	223.80	82.52	212.26	81.68	207.65	80.85	
	0	-0.7	276.63	88.02	274.10	87.20	253.79	81.50	246.18	80.68	233.49	79.87	228.41	79.05	
	3	2.2	298.64	80.02	295.90	79.27	273.98	74.09	265.76	73.35	252.06	72.61	246.58	71.87	
	5	4.1	304.93	76.68	302.13	75.97	279.75	71.00	271.36	70.29	257.37	69.58	251.77	68.87	
	7	6	314.36	66.68	311.47	66.06	288.40	61.74	279.75	61.12	265.33	60.51	259.56	59.89	
	9	7.9	320.64	66.01	317.70	65.40	294.17	61.12	285.34	60.51	270.63	59.90	264.75	59.29	
	11	9.8	320.64	65.35	317.70	64.74	294.17	60.51	285.34	59.90	270.63	59.30	264.75	58.69	
	13	11.8	320.64	65.01	317.70	64.41	294.17	60.20	285.34	59.59	270.63	58.99	264.75	58.39	
	15	13.7	320.64	64.68	317.70	64.08	294.17	59.89	285.34	59.29	270.63	58.69	264.75	58.09	
19	14.2	323.58	64.35	317.70	63.75	294.17	59.58	285.34	58.98	270.63	58.39	264.75	57.79		
21	15	323.58	64.01	317.70	63.42	294.17	59.27	285.34	58.68	270.63	58.08	264.75	57.49		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT090S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	114.05	71.40	113.01	70.74	104.64	66.11	101.50	65.45	96.27	64.79	94.17	64.13	
	-18.80	-19.00	123.30	73.09	122.17	72.41	113.12	67.67	109.73	66.99	104.07	66.32	101.81	65.64	
	-14.7	-15	138.71	76.12	137.44	75.41	127.26	70.48	123.44	69.77	117.08	69.07	114.53	68.36	
	-12.6	-13	154.13	76.79	152.71	76.08	141.40	71.10	137.16	70.39	130.09	69.68	127.26	68.97	
	-10.5	-11	166.46	77.46	164.93	76.75	152.71	71.73	148.13	71.01	140.50	70.29	137.44	69.57	
	-9.5	-10	175.70	78.81	174.09	78.08	161.20	72.97	156.36	72.24	148.30	71.51	145.08	70.78	
	-8.5	-9.1	184.95	80.83	183.25	80.08	169.68	74.84	164.59	74.10	156.11	73.35	152.71	72.60	
	-7	-7.6	215.78	82.85	213.80	82.09	197.96	76.72	192.02	75.95	182.12	75.18	178.16	74.41	
	-5	-5.6	231.19	86.22	229.07	85.42	212.10	79.83	205.74	79.04	195.13	78.24	190.89	77.44	
	-3	-3.7	246.60	90.94	244.34	90.09	226.24	84.20	219.45	83.36	208.14	82.52	203.62	81.67	
	0	-0.7	271.26	88.91	268.77	88.09	248.86	82.33	241.40	81.51	228.95	80.68	223.98	79.86	
	3	2.2	292.84	80.83	290.15	80.08	268.66	74.84	260.60	74.10	247.17	73.35	241.79	72.60	
	5	4.1	299.00	77.46	296.26	76.75	274.32	71.73	266.09	71.01	252.37	70.29	246.88	69.57	
	7	6	308.25	67.36	305.42	66.74	282.80	62.37	274.32	61.75	260.18	61.12	254.52	60.50	
	9	7.9	314.42	66.69	311.53	66.07	288.46	61.75	279.80	61.13	265.38	60.51	259.61	59.89	
	11	9.8	314.42	66.01	311.53	65.40	288.46	61.12	279.80	60.51	265.38	59.90	259.61	59.29	
	13	11.8	314.42	65.68	311.53	65.07	288.46	60.81	279.80	60.20	265.38	59.59	259.61	58.99	
	15	13.7	314.42	65.34	311.53	64.73	288.46	60.50	279.80	59.89	265.38	59.29	259.61	58.68	
	19	14.2	317.30	65.00	311.53	64.40	288.46	60.19	279.80	59.59	265.38	58.98	259.61	58.38	
21	15	317.30	64.67	311.53	64.07	288.46	59.88	279.80	59.28	265.38	58.68	259.61	58.08		
100%	-22.90	-23.00	112.92	72.12	111.89	71.45	103.60	66.78	100.49	66.11	95.31	65.44	93.24	64.78	
	-18.80	-19.00	122.08	73.82	120.96	73.14	112.00	68.36	108.64	67.67	103.04	66.99	100.80	66.30	
	-14.7	-15	137.34	76.89	136.08	76.17	126.00	71.19	122.22	70.48	115.92	69.77	113.40	69.05	
	-12.6	-13	152.60	77.57	151.20	76.85	140.00	71.82	135.80	71.10	128.80	70.38	126.00	69.67	
	-10.5	-11	164.81	78.25	163.30	77.52	151.20	72.45	146.66	71.73	139.10	71.00	136.08	70.28	
	-9.5	-10	173.96	79.61	172.37	78.87	159.60	73.71	154.81	72.97	146.83	72.24	143.64	71.50	
	-8.5	-9.1	183.12	81.65	181.44	80.89	168.00	75.60	162.96	74.84	154.56	74.09	151.20	73.33	
	-7	-7.6	213.64	83.69	211.68	82.91	196.00	77.49	190.12	76.72	180.32	75.94	176.40	75.17	
	-5	-5.6	228.90	87.09	226.80	86.28	210.00	80.64	203.70	79.83	193.20	79.03	189.00	78.22	
	-3	-3.7	244.16	91.85	241.92	91.00	224.00	85.05	217.28	84.20	206.08	83.35	201.60	82.50	
	0	-0.7	268.58	89.81	266.11	88.98	246.40	83.16	239.01	82.33	226.69	81.50	221.76	80.67	
	3	2.2	289.94	81.65	287.28	80.89	266.00	75.60	258.02	74.84	244.72	74.09	239.40	73.33	
	5	4.1	296.04	78.25	293.33	77.52	271.60	72.45	263.45	71.73	249.87	71.00	244.44	70.28	
	7	6	305.20	68.04	302.40	67.41	280.00	63.00	271.60	62.37	257.60	61.74	252.00	61.11	
	9	7.9	311.30	67.36	308.45	66.74	285.60	62.37	277.03	61.75	262.75	61.12	257.04	60.50	
	11	9.8	311.30	66.68	308.45	66.06	285.60	61.74	277.03	61.12	262.75	60.51	257.04	59.89	
	13	11.8	311.30	66.34	308.45	65.72	285.60	61.43	277.03	60.81	262.75	60.20	257.04	59.58	
	15	13.7	311.30	66.00	308.45	65.39	285.60	61.11	277.03	60.50	262.75	59.89	257.04	59.28	
	19	14.2	314.16	65.66	308.45	65.05	285.60	60.80	277.03	60.19	262.75	59.58	257.04	58.97	
21	15	314.16	65.32	308.45	64.71	285.60	60.48	277.03	59.88	262.75	59.27	257.04	58.67		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT090S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
90%	-22.90	-23.00	103.89	65.63	102.94	65.02	95.31	60.77	92.45	60.16	87.69	59.55	85.78	58.95	
	-18.80	-19.00	112.31	67.18	111.28	66.56	103.04	62.20	99.95	61.58	94.80	60.96	92.74	60.34	
	-14.7	-15	126.35	69.97	125.19	69.32	115.92	64.78	112.44	64.14	106.65	63.49	104.33	62.84	
	-12.6	-13	140.39	70.58	139.10	69.93	128.80	65.36	124.94	64.70	118.50	64.05	115.92	63.40	
	-10.5	-11	151.62	71.20	150.23	70.54	139.10	65.93	134.93	65.27	127.98	64.61	125.19	63.95	
	-9.5	-10	160.05	72.44	158.58	71.77	146.83	67.08	142.43	66.41	135.09	65.73	132.15	65.06	
	-8.5	-9.1	168.47	74.30	166.92	73.61	154.56	68.80	149.92	68.11	142.20	67.42	139.10	66.73	
	-7	-7.6	196.55	76.16	194.75	75.45	180.32	70.52	174.91	69.81	165.89	69.11	162.29	68.40	
	-5	-5.6	210.59	79.25	208.66	78.52	193.20	73.38	187.40	72.65	177.74	71.91	173.88	71.18	
	-3	-3.7	224.63	83.59	222.57	82.81	206.08	77.40	199.90	76.62	189.59	75.85	185.47	75.07	
	0	-0.7	247.09	81.73	244.82	80.97	226.69	75.68	219.89	74.92	208.55	74.16	204.02	73.41	
	3	2.2	266.74	74.30	264.30	73.61	244.72	68.80	237.38	68.11	225.14	67.42	220.25	66.73	
	5	4.1	272.36	71.20	269.86	70.54	249.87	65.93	242.38	65.27	229.88	64.61	224.88	63.95	
	7	6	280.78	61.92	278.21	61.34	257.60	57.33	249.87	56.76	236.99	56.18	231.84	55.61	
	9	7.9	286.40	61.30	283.77	60.73	262.75	56.76	254.87	56.19	241.73	55.62	236.48	55.05	
	11	9.8	286.40	60.68	283.77	60.12	262.75	56.18	254.87	55.62	241.73	55.06	236.48	54.50	
	13	11.8	286.40	60.37	283.77	59.81	262.75	55.90	254.87	55.34	241.73	54.78	236.48	54.22	
15	13.7	286.40	60.06	283.77	59.50	262.75	55.61	254.87	55.05	241.73	54.50	236.48	53.94		
19	14.2	289.03	59.75	283.77	59.20	262.75	55.32	254.87	54.77	241.73	54.22	236.48	53.66		
21	15	289.03	59.44	283.77	58.89	262.75	55.04	254.87	54.49	241.73	53.94	236.48	53.39		
80%	-22.90	-23.00	91.47	53.16	90.63	52.67	83.92	49.22	81.40	48.73	77.20	48.24	75.52	47.75	
	-18.80	-19.00	98.88	54.42	97.98	53.91	90.72	50.38	88.00	49.88	83.46	49.38	81.65	48.87	
	-14.7	-15	111.25	56.67	110.22	56.15	102.06	52.47	99.00	51.95	93.90	51.42	91.85	50.90	
	-12.6	-13	123.61	57.17	122.47	56.64	113.40	52.94	110.00	52.41	104.33	51.88	102.06	51.35	
	-10.5	-11	133.49	57.68	132.27	57.14	122.47	53.40	118.80	52.87	112.67	52.33	110.22	51.80	
	-9.5	-10	140.91	58.68	139.62	58.13	129.28	54.33	125.40	53.79	118.93	53.25	116.35	52.70	
	-8.5	-9.1	148.33	60.18	146.97	59.63	136.08	55.72	132.00	55.17	125.19	54.61	122.47	54.05	
	-7	-7.6	173.05	61.69	171.46	61.12	158.76	57.12	154.00	56.55	146.06	55.98	142.88	55.40	
	-5	-5.6	185.41	64.19	183.71	63.60	170.10	59.44	165.00	58.85	156.49	58.25	153.09	57.66	
	-3	-3.7	197.77	67.71	195.96	67.08	181.44	62.69	176.00	62.06	166.92	61.44	163.30	60.81	
	0	-0.7	217.55	66.20	215.55	65.59	199.58	61.30	193.60	60.68	183.62	60.07	179.63	59.46	
	3	2.2	234.85	60.18	232.70	59.63	215.46	55.72	209.00	55.17	198.22	54.61	193.91	54.05	
	5	4.1	239.80	57.68	237.60	57.14	220.00	53.40	213.40	52.87	202.40	52.33	198.00	51.80	
	7	6	247.21	50.15	244.94	49.69	226.80	46.44	220.00	45.97	208.66	45.51	204.12	45.04	
	9	7.9	252.16	49.65	249.84	49.19	231.34	45.97	224.40	45.51	212.83	45.05	208.20	44.59	
	11	9.8	252.16	49.15	249.84	48.69	231.34	45.51	224.40	45.05	212.83	44.60	208.20	44.14	
	13	11.8	252.16	48.90	249.84	48.45	231.34	45.28	224.40	44.82	212.83	44.37	208.20	43.92	
15	13.7	252.16	48.65	249.84	48.20	231.34	45.04	224.40	44.59	212.83	44.14	208.20	43.69		
19	14.2	254.47	48.40	249.84	47.95	231.34	44.81	224.40	44.36	212.83	43.92	208.20	43.47		
21	15	254.47	48.15	249.84	47.70	231.34	44.58	224.40	44.13	212.83	43.69	208.20	43.24		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT090S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	79.05	50.49	78.32	50.02	72.52	46.75	70.34	46.28	66.72	45.81	65.27	45.34	
	-18.80	-19.00	85.46	51.68	84.67	51.20	78.40	47.85	76.05	47.37	72.13	46.89	70.56	46.41	
	-14.7	-15	96.14	53.82	95.26	53.32	88.20	49.83	85.55	49.33	81.14	48.84	79.38	48.34	
	-12.6	-13	106.82	54.30	105.84	53.79	98.00	50.27	95.06	49.77	90.16	49.27	88.20	48.77	
	-10.5	-11	115.37	54.77	114.31	54.27	105.84	50.72	102.66	50.21	97.37	49.70	95.26	49.19	
	-9.5	-10	121.77	55.72	120.66	55.21	111.72	51.60	108.37	51.08	102.78	50.57	100.55	50.05	
	-8.5	-9.1	128.18	57.15	127.01	56.62	117.60	52.92	114.07	52.39	108.19	51.86	105.84	51.33	
	-7	-7.6	149.55	58.58	148.18	58.04	137.20	54.24	133.08	53.70	126.22	53.16	123.48	52.62	
	-5	-5.6	160.23	60.96	158.76	60.40	147.00	56.45	142.59	55.88	135.24	55.32	132.30	54.75	
	-3	-3.7	170.91	64.30	169.34	63.70	156.80	59.54	152.10	58.94	144.26	58.34	141.12	57.75	
	0	-0.7	188.00	62.87	186.28	62.29	172.48	58.21	167.31	57.63	158.68	57.05	155.23	56.47	
	3	2.2	202.96	57.15	201.10	56.62	186.20	52.92	180.61	52.39	171.30	51.86	167.58	51.33	
	5	4.1	207.23	54.77	205.33	54.27	190.12	50.72	184.42	50.21	174.91	49.70	171.11	49.19	
	7	6	213.64	47.63	211.68	47.19	196.00	44.10	190.12	43.66	180.32	43.22	176.40	42.78	
	9	7.9	217.91	47.15	215.91	46.72	199.92	43.66	193.92	43.22	183.93	42.79	179.93	42.35	
	11	9.8	217.91	46.68	215.91	46.24	199.92	43.22	193.92	42.79	183.93	42.35	179.93	41.92	
	13	11.8	217.91	46.44	215.91	46.01	199.92	43.00	193.92	42.57	183.93	42.14	179.93	41.71	
	15	13.7	217.91	46.20	215.91	45.77	199.92	42.78	193.92	42.35	183.93	41.92	179.93	41.49	
19	14.2	219.91	45.96	215.91	45.54	199.92	42.56	193.92	42.13	183.93	41.71	179.93	41.28		
21	15	219.91	45.72	215.91	45.30	199.92	42.34	193.92	41.91	183.93	41.49	179.93	41.07		
60%	-22.90	-23.00	71.14	44.72	70.49	44.30	65.27	41.40	63.31	40.99	60.05	40.58	58.74	40.16	
	-18.80	-19.00	76.91	45.77	76.20	45.35	70.56	42.38	68.44	41.96	64.92	41.53	63.50	41.11	
	-14.7	-15	86.52	47.67	85.73	47.23	79.38	44.14	77.00	43.70	73.03	43.26	71.44	42.81	
	-12.6	-13	96.14	48.09	95.26	47.65	88.20	44.53	85.55	44.08	81.14	43.64	79.38	43.19	
	-10.5	-11	103.83	48.51	102.88	48.06	95.26	44.92	92.40	44.47	87.64	44.02	85.73	43.57	
	-9.5	-10	109.60	49.36	108.59	48.90	100.55	45.70	97.53	45.24	92.50	44.79	90.49	44.33	
	-8.5	-9.1	115.37	50.62	114.31	50.15	105.84	46.87	102.66	46.40	97.37	45.93	95.26	45.47	
	-7	-7.6	134.59	51.89	133.36	51.41	123.48	48.04	119.78	47.56	113.60	47.08	111.13	46.60	
	-5	-5.6	144.21	54.00	142.88	53.50	132.30	50.00	128.33	49.50	121.72	49.00	119.07	48.50	
	-3	-3.7	153.82	56.95	152.41	56.42	141.12	52.73	136.89	52.20	129.83	51.68	127.01	51.15	
	0	-0.7	169.20	55.68	167.65	55.17	155.23	51.56	150.58	51.04	142.81	50.53	139.71	50.01	
	3	2.2	182.66	50.62	180.99	50.15	167.58	46.87	162.55	46.40	154.17	45.93	150.82	45.47	
	5	4.1	186.51	48.51	184.80	48.06	171.11	44.92	165.97	44.47	157.42	44.02	154.00	43.57	
	7	6	192.28	42.18	190.51	41.79	176.40	39.06	171.11	38.67	162.29	38.28	158.76	37.89	
	9	7.9	196.12	41.76	194.32	41.38	179.93	38.67	174.53	38.28	165.53	37.90	161.94	37.51	
	11	9.8	196.12	41.34	194.32	40.96	179.93	38.28	174.53	37.90	165.53	37.51	161.94	37.13	
	13	11.8	196.12	41.13	194.32	40.75	179.93	38.08	174.53	37.70	165.53	37.32	161.94	36.94	
	15	13.7	196.12	40.92	194.32	40.54	179.93	37.89	174.53	37.51	165.53	37.13	161.94	36.75	
19	14.2	197.92	40.71	194.32	40.33	179.93	37.69	174.53	37.32	165.53	36.94	161.94	36.56		
21	15	197.92	40.50	194.32	40.12	179.93	37.50	174.53	37.12	165.53	36.75	161.94	36.37		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT090S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	60.98	46.88	60.42	46.45	55.94	43.41	54.27	42.97	51.47	42.54	50.35	42.10	
	-18.80	-19.00	65.92	47.99	65.32	47.54	60.48	44.43	58.67	43.99	55.64	43.54	54.43	43.10	
	-14.7	-15	74.16	49.98	73.48	49.51	68.04	46.27	66.00	45.81	62.60	45.35	61.24	44.89	
	-12.6	-13	82.40	50.42	81.65	49.95	75.60	46.68	73.33	46.22	69.55	45.75	68.04	45.28	
	-10.5	-11	89.00	50.86	88.18	50.39	81.65	47.09	79.20	46.62	75.12	46.15	73.48	45.68	
	-9.5	-10	93.94	51.74	93.08	51.27	86.18	47.91	83.60	47.43	79.29	46.95	77.57	46.47	
	-8.5	-9.1	98.88	53.07	97.98	52.58	90.72	49.14	88.00	48.65	83.46	48.16	81.65	47.67	
	-7	-7.6	115.37	54.40	114.31	53.89	105.84	50.37	102.66	49.86	97.37	49.36	95.26	48.86	
	-5	-5.6	123.61	56.61	122.47	56.09	113.40	52.42	110.00	51.89	104.33	51.37	102.06	50.84	
	-3	-3.7	131.85	59.71	130.64	59.15	120.96	55.28	117.33	54.73	111.28	54.18	108.86	53.62	
	0	-0.7	145.03	58.38	143.70	57.84	133.06	54.05	129.06	53.51	122.41	52.97	119.75	52.43	
	3	2.2	156.57	53.07	155.13	52.58	143.64	49.14	139.33	48.65	132.15	48.16	129.28	47.67	
	5	4.1	159.86	50.86	158.40	50.39	146.66	47.09	142.26	46.62	134.93	46.15	132.00	45.68	
	7	6	164.81	44.23	163.30	43.82	151.20	40.95	146.66	40.54	139.10	40.13	136.08	39.72	
	9	7.9	168.10	43.78	166.56	43.38	154.22	40.54	149.60	40.14	141.89	39.73	138.80	39.32	
	11	9.8	168.10	43.34	166.56	42.94	154.22	40.13	149.60	39.73	141.89	39.33	138.80	38.93	
	13	11.8	168.10	43.12	166.56	42.72	154.22	39.93	149.60	39.53	141.89	39.13	138.80	38.73	
15	13.7	168.10	42.90	166.56	42.50	154.22	39.72	149.60	39.32	141.89	38.93	138.80	38.53		
19	14.2	169.65	42.68	166.56	42.28	154.22	39.52	149.60	39.12	141.89	38.73	138.80	38.33		
21	15	169.65	42.46	166.56	42.06	154.22	39.31	149.60	38.92	141.89	38.53	138.80	38.13		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT092S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	119.12	71.51	118.03	70.85	109.28	66.22	106.00	65.55	100.54	64.89	98.35	64.23	
	-18.80	-19.00	128.78	73.20	127.60	72.52	118.14	67.78	114.60	67.10	108.69	66.42	106.33	65.74	
	-14.7	-15	144.87	76.24	143.54	75.53	132.91	70.59	128.92	69.88	122.28	69.18	119.62	68.47	
	-12.6	-13	160.97	76.91	159.49	76.20	147.68	71.21	143.25	70.50	135.87	69.79	132.91	69.08	
	-10.5	-11	173.85	77.59	172.25	76.87	159.49	71.84	154.71	71.12	146.73	70.40	143.54	69.68	
	-9.5	-10	183.51	78.93	181.82	78.20	168.36	73.09	163.30	72.36	154.89	71.63	151.52	70.89	
	-8.5	-9.1	193.17	80.96	191.39	80.21	177.22	74.96	171.90	74.21	163.04	73.46	159.49	72.71	
	-7	-7.6	225.36	82.98	223.29	82.21	206.75	76.84	200.55	76.07	190.21	75.30	186.08	74.53	
	-5	-5.6	241.46	86.36	239.24	85.56	221.52	79.96	214.87	79.16	203.80	78.36	199.37	77.56	
	-3	-3.7	257.55	91.08	255.19	90.24	236.29	84.33	229.20	83.49	217.38	82.65	212.66	81.80	
	0	-0.7	283.31	89.05	280.71	88.23	259.92	82.46	252.12	81.63	239.12	80.81	233.93	79.98	
	3	2.2	305.85	80.96	303.04	80.21	280.59	74.96	272.17	74.21	258.14	73.46	252.53	72.71	
	5	4.1	312.28	77.59	309.42	76.87	286.50	71.84	277.90	71.12	263.58	70.40	257.85	69.68	
	7	6	321.94	67.47	318.99	66.84	295.36	62.47	286.50	61.84	271.73	61.22	265.82	60.59	
	9	7.9	328.38	66.79	325.37	66.17	301.27	61.84	292.23	61.22	277.17	60.61	271.14	59.99	
	11	9.8	328.38	66.12	325.37	65.50	301.27	61.22	292.23	60.61	277.17	59.99	271.14	59.38	
	13	11.8	328.38	65.78	325.37	65.17	301.27	60.91	292.23	60.30	277.17	59.69	271.14	59.08	
	15	13.7	328.38	65.44	325.37	64.84	301.27	60.59	292.23	59.99	277.17	59.38	271.14	58.78	
19	14.2	331.39	65.10	325.37	64.50	301.27	60.28	292.23	59.68	277.17	59.08	271.14	58.47		
21	15	331.39	64.77	325.37	64.17	301.27	59.97	292.23	59.37	277.17	58.77	271.14	58.17		
120%	-22.90	-23.00	117.97	72.25	116.89	71.58	108.23	66.90	104.99	66.23	99.57	65.56	97.41	64.89	
	-18.80	-19.00	127.54	73.95	126.37	73.27	117.01	68.48	113.50	67.79	107.65	67.11	105.31	66.42	
	-14.7	-15	143.48	77.02	142.16	76.31	131.63	71.32	127.68	70.60	121.10	69.89	118.47	69.18	
	-12.6	-13	159.42	77.70	157.96	76.98	146.26	71.95	141.87	71.23	134.56	70.51	131.63	69.79	
	-10.5	-11	172.18	78.39	170.60	77.66	157.96	72.58	153.22	71.85	145.32	71.13	142.16	70.40	
	-9.5	-10	181.74	79.75	180.08	79.01	166.74	73.84	161.73	73.10	153.40	72.36	150.06	71.63	
	-8.5	-9.1	191.31	81.79	189.55	81.04	175.51	75.73	170.25	74.98	161.47	74.22	157.96	73.46	
	-7	-7.6	223.19	83.84	221.15	83.06	204.76	77.63	198.62	76.85	188.38	76.08	184.29	75.30	
	-5	-5.6	239.14	87.25	236.94	86.44	219.39	80.78	212.81	79.98	201.84	79.17	197.45	78.36	
	-3	-3.7	255.08	92.02	252.74	91.17	234.02	85.20	227.00	84.35	215.29	83.50	210.61	82.65	
	0	-0.7	280.59	89.97	278.01	89.14	257.42	83.31	249.70	82.47	236.82	81.64	231.68	80.81	
	3	2.2	302.90	81.79	300.13	81.04	277.89	75.73	269.56	74.98	255.66	74.22	250.10	73.46	
	5	4.1	309.28	78.39	306.44	77.66	283.74	72.58	275.23	71.85	261.04	71.13	255.37	70.40	
	7	6	318.85	68.16	315.92	67.53	292.52	63.11	283.74	62.48	269.12	61.85	263.27	61.22	
	9	7.9	325.22	67.48	322.24	66.85	298.37	62.48	289.42	61.86	274.50	61.23	268.53	60.61	
	11	9.8	325.22	66.80	322.24	66.18	298.37	61.85	289.42	61.23	274.50	60.61	268.53	59.99	
	13	11.8	325.22	66.46	322.24	65.84	298.37	61.53	289.42	60.92	274.50	60.30	268.53	59.69	
	15	13.7	325.22	66.12	322.24	65.50	298.37	61.22	289.42	60.61	274.50	59.99	268.53	59.38	
19	14.2	328.21	65.78	322.24	65.17	298.37	60.90	289.42	60.29	274.50	59.69	268.53	59.08		
21	15	328.21	65.43	322.24	64.83	298.37	60.59	289.42	59.98	274.50	59.38	268.53	58.77		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT092S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	115.68	72.99	114.62	72.31	106.13	67.58	102.95	66.91	97.64	66.23	95.52	65.55	
	-18.80	-19.00	125.06	74.71	123.91	74.02	114.74	69.18	111.29	68.48	105.56	67.79	103.26	67.10	
	-14.7	-15	140.70	77.81	139.40	77.09	129.08	72.04	125.21	71.32	118.75	70.60	116.17	69.88	
	-12.6	-13	156.33	78.50	154.89	77.77	143.42	72.68	139.12	71.96	131.95	71.23	129.08	70.50	
	-10.5	-11	168.83	79.18	167.29	78.45	154.89	73.32	150.25	72.59	142.50	71.85	139.40	71.12	
	-9.5	-10	178.21	80.56	176.58	79.82	163.50	74.59	158.59	73.85	150.42	73.10	147.15	72.36	
	-8.5	-9.1	187.59	82.63	185.87	81.86	172.10	76.51	166.94	75.74	158.34	74.98	154.89	74.21	
	-7	-7.6	218.86	84.69	216.85	83.91	200.79	78.42	194.76	77.64	184.72	76.85	180.71	76.07	
	-5	-5.6	234.49	88.14	232.34	87.32	215.13	81.61	208.68	80.79	197.92	79.98	193.62	79.16	
	-3	-3.7	250.12	92.96	247.83	92.10	229.47	86.07	222.59	85.21	211.11	84.35	206.52	83.49	
	0	-0.7	275.14	90.89	272.61	90.05	252.42	84.16	244.85	83.32	232.23	82.47	227.18	81.63	
	3	2.2	297.02	82.63	294.30	81.86	272.50	76.51	264.32	75.74	250.70	74.98	245.25	74.21	
	5	4.1	303.28	79.18	300.49	78.45	278.23	73.32	269.89	72.59	255.98	71.85	250.41	71.12	
	7	6	312.66	68.86	309.79	68.22	286.84	63.76	278.23	63.12	263.89	62.48	258.16	61.84	
	9	7.9	318.91	68.17	315.98	67.54	292.58	63.12	283.80	62.49	269.17	61.86	263.32	61.22	
	11	9.8	318.91	67.48	315.98	66.85	292.58	62.48	283.80	61.86	269.17	61.23	263.32	60.61	
	13	11.8	318.91	67.14	315.98	66.51	292.58	62.16	283.80	61.54	269.17	60.92	263.32	60.30	
	15	13.7	318.91	66.79	315.98	66.17	292.58	61.84	283.80	61.22	269.17	60.61	263.32	59.99	
19	14.2	321.83	66.45	315.98	65.83	292.58	61.52	283.80	60.91	269.17	60.29	263.32	59.68		
21	15	321.83	66.10	315.98	65.49	292.58	61.21	283.80	60.59	269.17	59.98	263.32	59.37		
100%	-22.90	-23.00	114.54	73.73	113.49	73.04	105.08	68.26	101.93	67.58	96.67	66.90	94.57	66.22	
	-18.80	-19.00	123.82	75.46	122.69	74.77	113.60	69.87	110.19	69.18	104.51	68.48	102.24	67.78	
	-14.7	-15	139.30	78.59	138.02	77.87	127.80	72.77	123.97	72.04	117.58	71.32	115.02	70.59	
	-12.6	-13	154.78	79.29	153.36	78.56	142.00	73.42	137.74	72.68	130.64	71.95	127.80	71.21	
	-10.5	-11	167.16	79.98	165.63	79.24	153.36	74.06	148.76	73.32	141.09	72.58	138.02	71.84	
	-9.5	-10	176.45	81.38	174.83	80.62	161.88	75.35	157.02	74.59	148.93	73.84	145.69	73.09	
	-8.5	-9.1	185.74	83.46	184.03	82.69	170.40	77.28	165.29	76.51	156.77	75.73	153.36	74.96	
	-7	-7.6	216.69	85.55	214.70	84.76	198.80	79.21	192.84	78.42	182.90	77.63	178.92	76.84	
	-5	-5.6	232.17	89.03	230.04	88.20	213.00	82.43	206.61	81.61	195.96	80.78	191.70	79.96	
	-3	-3.7	247.65	93.90	245.38	93.03	227.20	86.94	220.38	86.07	209.02	85.20	204.48	84.33	
	0	-0.7	272.41	91.81	269.91	90.96	249.92	85.01	242.42	84.16	229.93	83.31	224.93	82.46	
	3	2.2	294.08	83.46	291.38	82.69	269.80	77.28	261.71	76.51	248.22	75.73	242.82	74.96	
	5	4.1	300.27	79.98	297.52	79.24	275.48	74.06	267.22	73.32	253.44	72.58	247.93	71.84	
	7	6	309.56	69.55	306.72	68.91	284.00	64.40	275.48	63.76	261.28	63.11	255.60	62.47	
	9	7.9	315.75	68.86	312.85	68.22	289.68	63.76	280.99	63.12	266.51	62.48	260.71	61.84	
	11	9.8	315.75	68.16	312.85	67.53	289.68	63.11	280.99	62.48	266.51	61.85	260.71	61.22	
	13	11.8	315.75	67.81	312.85	67.19	289.68	62.79	280.99	62.16	266.51	61.53	260.71	60.91	
	15	13.7	315.75	67.47	312.85	66.84	289.68	62.47	280.99	61.84	266.51	61.22	260.71	60.59	
19	14.2	318.65	67.12	312.85	66.50	289.68	62.15	280.99	61.52	266.51	60.90	260.71	60.28		
21	15	318.65	66.77	312.85	66.15	289.68	61.82	280.99	61.21	266.51	60.59	260.71	59.97		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT092S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	105.37	67.09	104.41	66.47	96.67	62.12	93.77	61.50	88.94	60.88	87.01	60.26	
	-18.80	-19.00	113.92	68.67	112.87	68.04	104.51	63.59	101.38	62.95	96.15	62.31	94.06	61.68	
	-14.7	-15	128.16	71.52	126.98	70.86	117.58	66.22	114.05	65.56	108.17	64.90	105.82	64.24	
	-12.6	-13	142.40	72.15	141.09	71.49	130.64	66.81	126.72	66.14	120.19	65.47	117.58	64.80	
	-10.5	-11	153.79	72.79	152.38	72.11	141.09	67.39	136.86	66.72	129.80	66.05	126.98	65.37	
	-9.5	-10	162.33	74.05	160.84	73.37	148.93	68.57	144.46	67.88	137.02	67.20	134.04	66.51	
	-8.5	-9.1	170.88	75.95	169.31	75.25	156.77	70.32	152.06	69.62	144.23	68.92	141.09	68.22	
	-7	-7.6	199.36	77.85	197.53	77.13	182.90	72.08	177.41	71.36	168.26	70.64	164.61	69.92	
	-5	-5.6	213.60	81.01	211.64	80.26	195.96	75.01	190.08	74.26	180.28	73.51	176.36	72.76	
	-3	-3.7	227.84	85.44	225.75	84.65	209.02	79.12	202.75	78.32	192.30	77.53	188.12	76.74	
	0	-0.7	250.62	83.55	248.32	82.77	229.93	77.36	223.03	76.58	211.53	75.81	206.93	75.04	
	3	2.2	270.56	75.95	268.07	75.25	248.22	70.32	240.77	69.62	228.36	68.92	223.39	68.22	
	5	4.1	276.25	72.79	273.72	72.11	253.44	67.39	245.84	66.72	233.17	66.05	228.10	65.37	
	7	6	284.80	63.29	282.18	62.71	261.28	58.60	253.44	58.02	240.38	57.43	235.15	56.85	
	9	7.9	290.49	62.66	287.83	62.08	266.51	58.02	258.51	57.44	245.19	56.86	239.86	56.28	
	11	9.8	290.49	62.03	287.83	61.45	266.51	57.43	258.51	56.86	245.19	56.28	239.86	55.71	
	13	11.8	290.49	61.71	287.83	61.14	266.51	57.14	258.51	56.57	245.19	56.00	239.86	55.42	
	15	13.7	290.49	61.39	287.83	60.83	266.51	56.85	258.51	56.28	245.19	55.71	239.86	55.14	
19	14.2	293.16	61.08	287.83	60.51	266.51	56.55	258.51	55.99	245.19	55.42	239.86	54.86		
21	15	293.16	60.76	287.83	60.20	266.51	56.26	258.51	55.70	245.19	55.13	239.86	54.57		
80%	-22.90	-23.00	92.78	54.34	91.92	53.84	85.11	50.32	82.56	49.81	78.31	49.31	76.60	48.81	
	-18.80	-19.00	100.30	55.62	99.38	55.11	92.02	51.50	89.26	50.99	84.65	50.47	82.81	49.96	
	-14.7	-15	112.83	57.93	111.80	57.40	103.52	53.64	100.41	53.10	95.24	52.57	93.17	52.03	
	-12.6	-13	125.37	58.44	124.22	57.90	115.02	54.11	111.57	53.57	105.82	53.03	103.52	52.49	
	-10.5	-11	135.40	58.96	134.16	58.41	124.22	54.59	120.49	54.04	114.28	53.50	111.80	52.95	
	-9.5	-10	142.92	59.98	141.61	59.43	131.12	55.54	127.19	54.98	120.63	54.43	118.01	53.87	
	-8.5	-9.1	150.45	61.52	149.07	60.95	138.02	56.96	133.88	56.39	126.98	55.82	124.22	55.25	
	-7	-7.6	175.52	63.06	173.91	62.47	161.03	58.39	156.20	57.80	148.15	57.22	144.93	56.64	
	-5	-5.6	188.06	65.62	186.33	65.01	172.53	60.76	167.35	60.15	158.73	59.55	155.28	58.94	
	-3	-3.7	200.59	69.21	198.75	68.57	184.03	64.08	178.51	63.44	169.31	62.80	165.63	62.16	
	0	-0.7	220.65	67.67	218.63	67.05	202.44	62.66	196.36	62.03	186.24	61.41	182.19	60.78	
	3	2.2	238.21	61.52	236.02	60.95	218.54	56.96	211.98	56.39	201.05	55.82	196.68	55.25	
	5	4.1	243.22	58.96	240.99	58.41	223.14	54.59	216.44	54.04	205.29	53.50	200.82	52.95	
	7	6	250.74	51.27	248.44	50.79	230.04	47.47	223.14	46.99	211.64	46.52	207.04	46.05	
	9	7.9	255.76	50.75	253.41	50.28	234.64	46.99	227.60	46.52	215.87	46.05	211.18	45.58	
	11	9.8	255.76	50.24	253.41	49.78	234.64	46.52	227.60	46.05	215.87	45.59	211.18	45.12	
	13	11.8	255.76	49.99	253.41	49.52	234.64	46.28	227.60	45.82	215.87	45.36	211.18	44.89	
	15	13.7	255.76	49.73	253.41	49.27	234.64	46.05	227.60	45.58	215.87	45.12	211.18	44.66	
19	14.2	258.10	49.47	253.41	49.01	234.64	45.81	227.60	45.35	215.87	44.89	211.18	44.43		
21	15	258.10	49.22	253.41	48.76	234.64	45.57	227.60	45.11	215.87	44.66	211.18	44.20		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT092S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
				kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	80.18	51.61	79.44	51.13	73.56	47.78	71.35	47.31	67.67	46.83	66.20	46.35	
	-18.80	-19.00	86.68	52.82	85.88	52.34	79.52	48.91	77.13	48.42	73.16	47.93	71.57	47.44	
	-14.7	-15	97.51	55.02	96.62	54.51	89.46	50.94	86.78	50.43	82.30	49.92	80.51	49.41	
	-12.6	-13	108.35	55.50	107.35	54.99	99.40	51.39	96.42	50.88	91.45	50.36	89.46	49.85	
	-10.5	-11	117.01	55.99	115.94	55.47	107.35	51.84	104.13	51.32	98.76	50.81	96.62	50.29	
	-9.5	-10	123.51	56.96	122.38	56.44	113.32	52.74	109.92	52.22	104.25	51.69	101.98	51.16	
	-8.5	-9.1	130.02	58.42	128.82	57.88	119.28	54.10	115.70	53.56	109.74	53.01	107.35	52.47	
	-7	-7.6	151.68	59.88	150.29	59.33	139.16	55.45	134.99	54.89	128.03	54.34	125.24	53.78	
	-5	-5.6	162.52	62.32	161.03	61.74	149.10	57.70	144.63	57.13	137.17	56.55	134.19	55.97	
	-3	-3.7	173.35	65.73	171.76	65.12	159.04	60.86	154.27	60.25	146.32	59.64	143.14	59.03	
	0	-0.7	190.69	64.27	188.94	63.67	174.94	59.51	169.70	58.91	160.95	58.32	157.45	57.72	
	3	2.2	205.86	58.42	203.97	57.88	188.86	54.10	183.19	53.56	173.75	53.01	169.97	52.47	
	5	4.1	210.19	55.99	208.26	55.47	192.84	51.84	187.05	51.32	177.41	50.81	173.55	50.29	
	7	6	216.69	48.69	214.70	48.24	198.80	45.08	192.84	44.63	182.90	44.18	178.92	43.73	
	9	7.9	221.03	48.20	219.00	47.75	202.78	44.63	196.69	44.18	186.55	43.74	182.50	43.29	
	11	9.8	221.03	47.71	219.00	47.27	202.78	44.18	196.69	43.74	186.55	43.29	182.50	42.85	
	13	11.8	221.03	47.47	219.00	47.03	202.78	43.95	196.69	43.51	186.55	43.07	182.50	42.63	
	15	13.7	221.03	47.23	219.00	46.79	202.78	43.73	196.69	43.29	186.55	42.85	182.50	42.42	
19	14.2	223.05	46.98	219.00	46.55	202.78	43.50	196.69	43.07	186.55	42.63	182.50	42.20		
21	15	223.05	46.74	219.00	46.31	202.78	43.28	196.69	42.84	186.55	42.41	182.50	41.98		
60%	-22.90	-23.00	72.16	45.71	71.50	45.29	66.20	42.32	64.21	41.90	60.90	41.48	59.58	41.05	
	-18.80	-19.00	78.01	46.79	77.29	46.35	71.57	43.32	69.42	42.89	65.84	42.46	64.41	42.02	
	-14.7	-15	87.76	48.73	86.96	48.28	80.51	45.12	78.10	44.67	74.07	44.22	72.46	43.77	
	-12.6	-13	97.51	49.16	96.62	48.70	89.46	45.52	86.78	45.06	82.30	44.61	80.51	44.15	
	-10.5	-11	105.31	49.59	104.35	49.13	96.62	45.92	93.72	45.46	88.89	45.00	86.96	44.54	
	-9.5	-10	111.16	50.45	110.14	49.99	101.98	46.72	98.92	46.25	93.83	45.78	91.79	45.31	
	-8.5	-9.1	117.01	51.75	115.94	51.27	107.35	47.91	104.13	47.43	98.76	46.96	96.62	46.48	
	-7	-7.6	136.52	53.04	135.26	52.55	125.24	49.11	121.49	48.62	115.22	48.13	112.72	47.64	
	-5	-5.6	146.27	55.20	144.93	54.69	134.19	51.11	130.16	50.60	123.45	50.09	120.77	49.57	
	-3	-3.7	156.02	58.22	154.59	57.68	143.14	53.90	138.84	53.36	131.69	52.82	128.82	52.29	
	0	-0.7	171.62	56.92	170.05	56.39	157.45	52.70	152.73	52.18	144.85	51.65	141.70	51.12	
	3	2.2	185.27	51.75	183.57	51.27	169.97	47.91	164.87	47.43	156.38	46.96	152.98	46.48	
	5	4.1	189.17	49.59	187.44	49.13	173.55	45.92	168.35	45.46	159.67	45.00	156.20	44.54	
	7	6	195.02	43.12	193.23	42.72	178.92	39.93	173.55	39.53	164.61	39.13	161.03	38.73	
	9	7.9	198.92	42.69	197.10	42.30	182.50	39.53	177.02	39.13	167.90	38.74	164.25	38.34	
	11	9.8	198.92	42.26	197.10	41.87	182.50	39.13	177.02	38.74	167.90	38.35	164.25	37.96	
	13	11.8	198.92	42.04	197.10	41.65	182.50	38.93	177.02	38.54	167.90	38.15	164.25	37.76	
	15	13.7	198.92	41.83	197.10	41.44	182.50	38.73	177.02	38.34	167.90	37.96	164.25	37.57	
19	14.2	200.75	41.61	197.10	41.23	182.50	38.53	177.02	38.15	167.90	37.76	164.25	37.37		
21	15	200.75	41.40	197.10	41.01	182.50	38.33	177.02	37.95	167.90	37.56	164.25	37.18		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT092S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-22.90	-23.00	61.85	47.92	61.28	47.48	56.74	44.37	55.04	43.93	52.20	43.48	51.07	43.04	
	-18.80	-19.00	66.86	49.05	66.25	48.60	61.34	45.42	59.50	44.96	56.44	44.51	55.21	44.06	
	-14.7	-15	75.22	51.09	74.53	50.61	69.01	47.30	66.94	46.83	63.49	46.36	62.11	45.88	
	-12.6	-13	83.58	51.54	82.81	51.06	76.68	47.72	74.38	47.24	70.55	46.77	69.01	46.29	
	-10.5	-11	90.27	51.99	89.44	51.51	82.81	48.14	80.33	47.66	76.19	47.18	74.53	46.69	
	-9.5	-10	95.28	52.89	94.41	52.40	87.42	48.98	84.79	48.49	80.42	48.00	78.67	47.51	
	-8.5	-9.1	100.30	54.25	99.38	53.75	92.02	50.23	89.26	49.73	84.65	49.23	82.81	48.73	
	-7	-7.6	117.01	55.61	115.94	55.09	107.35	51.49	104.13	50.97	98.76	50.46	96.62	49.94	
	-5	-5.6	125.37	57.87	124.22	57.33	115.02	53.58	111.57	53.04	105.82	52.51	103.52	51.97	
	-3	-3.7	133.73	61.03	132.50	60.47	122.69	56.51	119.01	55.95	112.87	55.38	110.42	54.82	
	0	-0.7	147.10	59.68	145.75	59.12	134.96	55.26	130.91	54.70	124.16	54.15	121.46	53.60	
	3	2.2	158.80	54.25	157.35	53.75	145.69	50.23	141.32	49.73	134.04	49.23	131.12	48.73	
	5	4.1	162.15	51.99	160.66	51.51	148.76	48.14	144.30	47.66	136.86	47.18	133.88	46.69	
	7	6	167.16	45.21	165.63	44.79	153.36	41.86	148.76	41.44	141.09	41.02	138.02	40.60	
	9	7.9	170.51	44.76	168.94	44.34	156.43	41.44	151.73	41.03	143.91	40.61	140.78	40.20	
	11	9.8	170.51	44.30	168.94	43.89	156.43	41.02	151.73	40.61	143.91	40.20	140.78	39.79	
	13	11.8	170.51	44.08	168.94	43.67	156.43	40.81	151.73	40.41	143.91	40.00	140.78	39.59	
	15	13.7	170.51	43.85	168.94	43.45	156.43	40.60	151.73	40.20	143.91	39.79	140.78	39.39	
19	14.2	172.07	43.63	168.94	43.22	156.43	40.39	151.73	39.99	143.91	39.59	140.78	39.18		
21	15	172.07	43.40	168.94	43.00	156.43	40.19	151.73	39.78	143.91	39.38	140.78	38.98		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT094S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	120.80	73.07	119.69	72.39	110.82	67.66	107.50	66.98	101.96	66.30	99.74	65.63	
	-18.80	-19.00	130.59	74.79	129.39	74.10	119.81	69.25	116.21	68.56	110.22	67.87	107.83	67.17	
	-14.7	-15	146.91	77.89	145.57	77.17	134.78	72.12	130.74	71.40	124.00	70.68	121.31	69.96	
	-12.6	-13	163.24	78.58	161.74	77.85	149.76	72.76	145.27	72.03	137.78	71.31	134.78	70.58	
	-10.5	-11	176.30	79.27	174.68	78.54	161.74	73.40	156.89	72.67	148.80	71.93	145.57	71.20	
	-9.5	-10	186.09	80.65	184.38	79.90	170.73	74.68	165.60	73.93	157.07	73.18	153.65	72.44	
	-8.5	-9.1	195.89	82.72	194.09	81.95	179.71	76.59	174.32	75.83	165.34	75.06	161.74	74.29	
	-7	-7.6	228.53	84.79	226.44	84.00	209.66	78.51	203.37	77.72	192.89	76.94	188.70	76.15	
	-5	-5.6	244.86	88.23	242.61	87.42	224.64	81.70	217.90	80.88	206.67	80.06	202.18	79.25	
	-3	-3.7	261.18	93.06	258.79	92.20	239.62	86.17	232.43	85.30	220.45	84.44	215.65	83.58	
	0	-0.7	287.30	90.99	284.66	90.15	263.58	84.25	255.67	83.41	242.49	82.57	237.22	81.72	
	3	2.2	310.15	82.72	307.31	81.95	284.54	76.59	276.01	75.83	261.78	75.06	256.09	74.29	
	5	4.1	316.68	79.27	313.78	78.54	290.53	73.40	281.82	72.67	267.29	71.93	261.48	71.20	
	7	6	326.48	68.93	323.48	68.29	299.52	63.83	290.53	63.19	275.56	62.55	269.57	61.91	
	9	7.9	333.01	68.24	329.95	67.61	305.51	63.19	296.35	62.56	281.07	61.92	274.96	61.29	
	11	9.8	333.01	67.55	329.95	66.93	305.51	62.55	296.35	61.92	281.07	61.30	274.96	60.67	
	13	11.8	333.01	67.21	329.95	66.59	305.51	62.23	296.35	61.61	281.07	60.99	274.96	60.36	
15	13.7	333.01	66.86	329.95	66.25	305.51	61.91	296.35	61.29	281.07	60.67	274.96	60.05		
19	14.2	336.06	66.52	329.95	65.90	305.51	61.59	296.35	60.98	281.07	60.36	274.96	59.74		
21	15	336.06	66.17	329.95	65.56	305.51	61.27	296.35	60.66	281.07	60.05	274.96	59.43		
120%	-22.90	-23.00	119.63	73.82	118.54	73.14	109.76	68.35	106.46	67.67	100.98	66.99	98.78	66.30	
	-18.80	-19.00	129.34	75.56	128.15	74.86	118.66	69.97	115.10	69.27	109.16	68.57	106.79	67.87	
	-14.7	-15	145.50	78.70	144.17	77.97	133.49	72.87	129.48	72.14	122.81	71.41	120.14	70.68	
	-12.6	-13	161.67	79.39	160.19	78.66	148.32	73.51	143.87	72.78	136.45	72.04	133.49	71.31	
	-10.5	-11	174.60	80.09	173.00	79.35	160.19	74.16	155.38	73.42	147.37	72.67	144.17	71.93	
	-9.5	-10	184.30	81.48	182.61	80.73	169.08	75.45	164.01	74.69	155.56	73.94	152.18	73.18	
	-8.5	-9.1	194.00	83.57	192.22	82.80	177.98	77.38	172.64	76.61	163.75	75.83	160.19	75.06	
	-7	-7.6	226.34	85.66	224.26	84.87	207.65	79.32	201.42	78.52	191.04	77.73	186.88	76.94	
	-5	-5.6	242.50	89.14	240.28	88.32	222.48	82.54	215.81	81.71	204.68	80.89	200.23	80.06	
	-3	-3.7	258.67	94.02	256.30	93.15	237.31	87.05	230.19	86.18	218.33	85.31	213.58	84.44	
	0	-0.7	284.54	91.93	281.93	91.08	261.04	85.12	253.21	84.27	240.16	83.42	234.94	82.57	
	3	2.2	307.17	83.57	304.35	82.80	281.81	77.38	273.35	76.61	259.26	75.83	253.63	75.06	
	5	4.1	313.64	80.09	310.76	79.35	287.74	74.16	279.11	73.42	264.72	72.67	258.97	71.93	
	7	6	323.34	69.64	320.37	69.00	296.64	64.48	287.74	63.84	272.91	63.19	266.98	62.55	
	9	7.9	329.80	68.95	326.78	68.31	302.57	63.84	293.50	63.20	278.37	62.56	272.32	61.92	
	11	9.8	329.80	68.25	326.78	67.62	302.57	63.19	293.50	62.56	278.37	61.93	272.32	61.30	
	13	11.8	329.80	67.90	326.78	67.27	302.57	62.87	293.50	62.24	278.37	61.61	272.32	60.99	
15	13.7	329.80	67.55	326.78	66.93	302.57	62.55	293.50	61.92	278.37	61.30	272.32	60.67		
19	14.2	332.83	67.21	326.78	66.58	302.57	62.23	293.50	61.60	278.37	60.98	272.32	60.36		
21	15	332.83	66.86	326.78	66.24	302.57	61.90	293.50	61.29	278.37	60.67	272.32	60.05		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT094S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	117.31	74.57	116.24	73.88	107.63	69.05	104.40	68.36	99.02	67.67	96.86	66.98	
	-18.80	-19.00	126.82	76.33	125.66	75.63	116.35	70.68	112.86	69.97	107.04	69.27	104.72	68.56	
	-14.7	-15	142.68	79.50	141.37	78.76	130.90	73.61	126.97	72.87	120.42	72.14	117.81	71.40	
	-12.6	-13	158.53	80.20	157.08	79.46	145.44	74.26	141.08	73.52	133.80	72.78	130.90	72.03	
	-10.5	-11	171.21	80.91	169.64	80.16	157.08	74.91	152.36	74.16	144.51	73.42	141.37	72.67	
	-9.5	-10	180.72	82.31	179.07	81.55	165.80	76.22	160.83	75.45	152.54	74.69	149.22	73.93	
	-8.5	-9.1	190.24	84.42	188.49	83.64	174.53	78.17	169.29	77.39	160.57	76.61	157.08	75.83	
	-7	-7.6	221.94	86.53	219.91	85.73	203.62	80.12	197.51	79.32	187.33	78.52	183.25	77.72	
	-5	-5.6	237.79	90.05	235.61	89.22	218.16	83.38	211.62	82.55	200.71	81.71	196.34	80.88	
	-3	-3.7	253.65	94.98	251.32	94.10	232.70	87.94	225.72	87.06	214.09	86.18	209.43	85.30	
	0	-0.7	279.01	92.87	276.45	92.01	255.97	85.99	248.30	85.13	235.50	84.27	230.38	83.41	
	3	2.2	301.21	84.42	298.44	83.64	276.34	78.17	268.05	77.39	254.23	76.61	248.70	75.83	
	5	4.1	307.55	80.91	304.73	80.16	282.15	74.91	273.69	74.16	259.58	73.42	253.94	72.67	
	7	6	317.06	70.35	314.15	69.70	290.88	65.14	282.15	64.49	267.61	63.84	261.79	63.19	
	9	7.9	323.40	69.65	320.43	69.00	296.70	64.49	287.80	63.85	272.96	63.20	267.03	62.56	
	11	9.8	323.40	68.95	320.43	68.31	296.70	63.84	287.80	63.20	272.96	62.56	267.03	61.92	
	13	11.8	323.40	68.59	320.43	67.96	296.70	63.51	287.80	62.88	272.96	62.24	267.03	61.61	
	15	13.7	323.40	68.24	320.43	67.61	296.70	63.19	287.80	62.56	272.96	61.92	267.03	61.29	
19	14.2	326.37	67.89	320.43	67.26	296.70	62.86	287.80	62.23	272.96	61.60	267.03	60.98		
21	15	326.37	67.54	320.43	66.91	296.70	62.54	287.80	61.91	272.96	61.29	267.03	60.66		
100%	-22.90	-23.00	116.15	75.33	115.08	74.63	106.56	69.75	103.36	69.05	98.04	68.35	95.90	67.66	
	-18.80	-19.00	125.57	77.10	124.42	76.39	115.20	71.39	111.74	70.68	105.98	69.97	103.68	69.25	
	-14.7	-15	141.26	80.30	139.97	79.56	129.60	74.35	125.71	73.61	119.23	72.87	116.64	72.12	
	-12.6	-13	156.96	81.01	155.52	80.26	144.00	75.01	139.68	74.26	132.48	73.51	129.60	72.76	
	-10.5	-11	169.52	81.72	167.96	80.97	155.52	75.67	150.85	74.91	143.08	74.16	139.97	73.40	
	-9.5	-10	178.93	83.14	177.29	82.38	164.16	76.99	159.24	76.22	151.03	75.45	147.74	74.68	
	-8.5	-9.1	188.35	85.28	186.62	84.49	172.80	78.96	167.62	78.17	158.98	77.38	155.52	76.59	
	-7	-7.6	219.74	87.41	217.73	86.60	201.60	80.93	195.55	80.12	185.47	79.32	181.44	78.51	
	-5	-5.6	235.44	90.96	233.28	90.12	216.00	84.22	209.52	83.38	198.72	82.54	194.40	81.70	
	-3	-3.7	251.14	95.94	248.83	95.05	230.40	88.83	223.49	87.94	211.97	87.05	207.36	86.17	
	0	-0.7	276.25	93.80	273.72	92.94	253.44	86.86	245.84	85.99	233.16	85.12	228.10	84.25	
	3	2.2	298.22	85.28	295.49	84.49	273.60	78.96	265.39	78.17	251.71	77.38	246.24	76.59	
	5	4.1	304.50	81.72	301.71	80.97	279.36	75.67	270.98	74.91	257.01	74.16	251.42	73.40	
	7	6	313.92	71.06	311.04	70.41	288.00	65.80	279.36	65.14	264.96	64.48	259.20	63.83	
	9	7.9	320.20	70.35	317.26	69.70	293.76	65.14	284.95	64.49	270.26	63.84	264.38	63.19	
	11	9.8	320.20	69.64	317.26	69.00	293.76	64.48	284.95	63.84	270.26	63.19	264.38	62.55	
	13	11.8	320.20	69.29	317.26	68.65	293.76	64.16	284.95	63.51	270.26	62.87	264.38	62.23	
	15	13.7	320.20	68.93	317.26	68.29	293.76	63.83	284.95	63.19	270.26	62.55	264.38	61.91	
19	14.2	323.14	68.58	317.26	67.94	293.76	63.50	284.95	62.86	270.26	62.23	264.38	61.59		
21	15	323.14	68.22	317.26	67.59	293.76	63.17	284.95	62.54	270.26	61.90	264.38	61.27		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT094S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	106.86	68.55	105.88	67.91	98.04	63.47	95.09	62.84	90.19	62.20	88.23	61.57	
	-18.80	-19.00	115.52	70.17	114.46	69.52	105.98	64.97	102.80	64.32	97.51	63.67	95.39	63.02	
	-14.7	-15	129.96	73.08	128.77	72.40	119.23	67.66	115.66	66.99	109.69	66.31	107.31	65.63	
	-12.6	-13	144.40	73.72	143.08	73.04	132.48	68.26	128.51	67.58	121.88	66.90	119.23	66.21	
	-10.5	-11	155.96	74.37	154.52	73.68	143.08	68.86	138.79	68.17	131.63	67.48	128.77	66.79	
	-9.5	-10	164.62	75.66	163.11	74.96	151.03	70.06	146.50	69.36	138.95	68.66	135.92	67.96	
	-8.5	-9.1	173.28	77.60	171.69	76.88	158.98	71.85	154.21	71.14	146.26	70.42	143.08	69.70	
	-7	-7.6	202.16	79.54	200.31	78.81	185.47	73.65	179.91	72.91	170.63	72.18	166.92	71.44	
	-5	-5.6	216.60	82.78	214.62	82.01	198.72	76.64	192.76	75.88	182.82	75.11	178.85	74.34	
	-3	-3.7	231.05	87.30	228.93	86.49	211.97	80.84	205.61	80.03	195.01	79.22	190.77	78.41	
	0	-0.7	254.15	85.36	251.82	84.57	233.16	79.04	226.17	78.25	214.51	77.46	209.85	76.67	
	3	2.2	274.37	77.60	271.85	76.88	251.71	71.85	244.16	71.14	231.58	70.42	226.54	69.70	
	5	4.1	280.14	74.37	277.57	73.68	257.01	68.86	249.30	68.17	236.45	67.48	231.31	66.79	
	7	6	288.81	64.67	286.16	64.07	264.96	59.88	257.01	59.28	243.76	58.68	238.46	58.08	
	9	7.9	294.58	64.02	291.88	63.43	270.26	59.28	262.15	58.69	248.64	58.09	243.23	57.50	
	11	9.8	294.58	63.37	291.88	62.79	270.26	58.68	262.15	58.09	248.64	57.51	243.23	56.92	
	13	11.8	294.58	63.05	291.88	62.47	270.26	58.38	262.15	57.80	248.64	57.21	243.23	56.63	
	15	13.7	294.58	62.73	291.88	62.15	270.26	58.08	262.15	57.50	248.64	56.92	243.23	56.34	
19	14.2	297.29	62.40	291.88	61.83	270.26	57.78	262.15	57.20	248.64	56.63	243.23	56.05		
21	15	297.29	62.08	291.88	61.51	270.26	57.48	262.15	56.91	248.64	56.33	243.23	55.76		
80%	-22.90	-23.00	94.08	55.52	93.22	55.01	86.31	51.41	83.72	50.90	79.41	50.38	77.68	49.87	
	-18.80	-19.00	101.71	56.83	100.78	56.31	93.31	52.62	90.51	52.10	85.85	51.57	83.98	51.05	
	-14.7	-15	114.42	59.19	113.37	58.64	104.98	54.81	101.83	54.26	96.58	53.71	94.48	53.16	
	-12.6	-13	127.14	59.71	125.97	59.16	116.64	55.29	113.14	54.74	107.31	54.19	104.98	53.63	
	-10.5	-11	137.31	60.24	136.05	59.68	125.97	55.78	122.19	55.22	115.89	54.66	113.37	54.10	
	-9.5	-10	144.94	61.29	143.61	60.72	132.97	56.75	128.98	56.18	122.33	55.61	119.67	55.04	
	-8.5	-9.1	152.57	62.86	151.17	62.28	139.97	58.20	135.77	57.62	128.77	57.04	125.97	56.46	
	-7	-7.6	177.99	64.43	176.36	63.83	163.30	59.66	158.40	59.06	150.23	58.46	146.97	57.87	
	-5	-5.6	190.71	67.05	188.96	66.43	174.96	62.08	169.71	61.46	160.96	60.84	157.46	60.22	
	-3	-3.7	203.42	70.71	201.55	70.06	186.62	65.48	181.03	64.82	171.69	64.17	167.96	63.51	
	0	-0.7	223.76	69.14	221.71	68.50	205.29	64.02	199.13	63.38	188.86	62.74	184.76	62.10	
	3	2.2	241.56	62.86	239.35	62.28	221.62	58.20	214.97	57.62	203.89	57.04	199.45	56.46	
	5	4.1	246.65	60.24	244.38	59.68	226.28	55.78	219.49	55.22	208.18	54.66	203.65	54.10	
	7	6	254.28	52.38	251.94	51.90	233.28	48.50	226.28	48.02	214.62	47.53	209.95	47.05	
	9	7.9	259.36	51.86	256.98	51.38	237.95	48.02	230.81	47.54	218.91	47.06	214.15	46.58	
	11	9.8	259.36	51.33	256.98	50.86	237.95	47.53	230.81	47.06	218.91	46.58	214.15	46.11	
	13	11.8	259.36	51.07	256.98	50.60	237.95	47.29	230.81	46.82	218.91	46.34	214.15	45.87	
	15	13.7	259.36	50.81	256.98	50.34	237.95	47.05	230.81	46.58	218.91	46.11	214.15	45.63	
19	14.2	261.74	50.55	256.98	50.08	237.95	46.80	230.81	46.34	218.91	45.87	214.15	45.40		
21	15	261.74	50.29	256.98	49.82	237.95	46.56	230.81	46.10	218.91	45.63	214.15	45.16		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT094S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-22.90	-23.00	81.31	52.73	80.56	52.24	74.59	48.82	72.35	48.34	68.62	47.85	67.13	47.36	
	-18.80	-19.00	87.90	53.97	87.09	53.47	80.64	49.98	78.22	49.48	74.19	48.98	72.58	48.48	
	-14.7	-15	98.88	56.21	97.98	55.69	90.72	52.05	88.00	51.53	83.46	51.01	81.65	50.49	
	-12.6	-13	109.87	56.71	108.86	56.18	100.80	52.51	97.78	51.98	92.74	51.46	90.72	50.93	
	-10.5	-11	118.66	57.21	117.57	56.68	108.86	52.97	105.60	52.44	100.15	51.91	97.98	51.38	
	-9.5	-10	125.25	58.20	124.10	57.66	114.91	53.89	111.46	53.35	105.72	52.81	103.42	52.27	
	-8.5	-9.1	131.85	59.69	130.64	59.14	120.96	55.27	117.33	54.72	111.28	54.17	108.86	53.61	
	-7	-7.6	153.82	61.19	152.41	60.62	141.12	56.65	136.89	56.09	129.83	55.52	127.01	54.95	
	-5	-5.6	164.81	63.67	163.30	63.08	151.20	58.96	146.66	58.37	139.10	57.78	136.08	57.19	
	-3	-3.7	175.80	67.16	174.18	66.53	161.28	62.18	156.44	61.56	148.38	60.94	145.15	60.32	
	0	-0.7	193.37	65.66	191.60	65.06	177.41	60.80	172.09	60.19	163.22	59.58	159.67	58.98	
	3	2.2	208.76	59.69	206.84	59.14	191.52	55.27	185.77	54.72	176.20	54.17	172.37	53.61	
	5	4.1	213.15	57.21	211.20	56.68	195.55	52.97	189.69	52.44	179.91	51.91	176.00	51.38	
	7	6	219.74	49.74	217.73	49.28	201.60	46.06	195.55	45.60	185.47	45.14	181.44	44.68	
	9	7.9	224.14	49.25	222.08	48.79	205.63	45.60	199.46	45.14	189.18	44.69	185.07	44.23	
	11	9.8	224.14	48.75	222.08	48.30	205.63	45.14	199.46	44.69	189.18	44.24	185.07	43.78	
	13	11.8	224.14	48.50	222.08	48.05	205.63	44.91	199.46	44.46	189.18	44.01	185.07	43.56	
	15	13.7	224.14	48.25	222.08	47.81	205.63	44.68	199.46	44.23	189.18	43.78	185.07	43.34	
19	14.2	226.20	48.00	222.08	47.56	205.63	44.45	199.46	44.00	189.18	43.56	185.07	43.11		
21	15	226.20	47.76	222.08	47.31	205.63	44.22	199.46	43.78	189.18	43.33	185.07	42.89		
60%	-22.90	-23.00	73.17	46.70	72.50	46.27	67.13	43.24	65.12	42.81	61.76	42.38	60.42	41.95	
	-18.80	-19.00	79.11	47.80	78.38	47.36	72.58	44.26	70.40	43.82	66.77	43.38	65.32	42.94	
	-14.7	-15	89.00	49.79	88.18	49.33	81.65	46.10	79.20	45.64	75.12	45.18	73.48	44.72	
	-12.6	-13	98.88	50.23	97.98	49.76	90.72	46.51	88.00	46.04	83.46	45.58	81.65	45.11	
	-10.5	-11	106.80	50.67	105.82	50.20	97.98	46.92	95.04	46.45	90.14	45.98	88.18	45.51	
	-9.5	-10	112.73	51.55	111.69	51.07	103.42	47.73	100.32	47.25	95.15	46.78	93.08	46.30	
	-8.5	-9.1	118.66	52.87	117.57	52.38	108.86	48.96	105.60	48.47	100.15	47.98	97.98	47.49	
	-7	-7.6	138.44	54.19	137.17	53.69	127.01	50.18	123.20	49.68	116.85	49.18	114.31	48.67	
	-5	-5.6	148.33	56.40	146.97	55.87	136.08	52.22	132.00	51.70	125.19	51.17	122.47	50.65	
	-3	-3.7	158.22	59.48	156.76	58.93	145.15	55.07	140.80	54.52	133.54	53.97	130.64	53.42	
	0	-0.7	174.04	58.16	172.44	57.62	159.67	53.85	154.88	53.31	146.89	52.77	143.70	52.24	
	3	2.2	187.88	52.87	186.16	52.38	172.37	48.96	167.20	48.47	158.58	47.98	155.13	47.49	
	5	4.1	191.84	50.67	190.08	50.20	176.00	46.92	170.72	46.45	161.92	45.98	158.40	45.51	
	7	6	197.77	44.06	195.96	43.65	181.44	40.80	176.00	40.39	166.92	39.98	163.30	39.57	
	9	7.9	201.72	43.62	199.87	43.22	185.07	40.39	179.52	39.98	170.26	39.58	166.56	39.18	
	11	9.8	201.72	43.18	199.87	42.78	185.07	39.98	179.52	39.58	170.26	39.18	166.56	38.78	
	13	11.8	201.72	42.96	199.87	42.56	185.07	39.78	179.52	39.38	170.26	38.98	166.56	38.58	
	15	13.7	201.72	42.74	199.87	42.34	185.07	39.57	179.52	39.18	170.26	38.78	166.56	38.38	
19	14.2	203.58	42.52	199.87	42.12	185.07	39.37	179.52	38.97	170.26	38.58	166.56	38.19		
21	15	203.58	42.30	199.87	41.91	185.07	39.16	179.52	38.77	170.26	38.38	166.56	37.99		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT094S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-22.90	-23.00	62.72	48.96	62.15	48.51	57.54	45.34	55.82	44.88	52.94	44.43	51.79	43.98	
	-18.80	-19.00	67.81	50.12	67.18	49.65	62.21	46.41	60.34	45.94	57.23	45.48	55.99	45.01	
	-14.7	-15	76.28	52.20	75.58	51.71	69.98	48.33	67.88	47.85	64.39	47.36	62.99	46.88	
	-12.6	-13	84.76	52.66	83.98	52.17	77.76	48.76	75.43	48.27	71.54	47.78	69.98	47.30	
	-10.5	-11	91.54	53.12	90.70	52.63	83.98	49.19	81.46	48.69	77.26	48.20	75.58	47.71	
	-9.5	-10	96.62	54.04	95.74	53.54	88.65	50.04	85.99	49.54	81.55	49.04	79.78	48.54	
	-8.5	-9.1	101.71	55.43	100.78	54.92	93.31	51.32	90.51	50.81	85.85	50.30	83.98	49.78	
	-7	-7.6	118.66	56.82	117.57	56.29	108.86	52.61	105.60	52.08	100.15	51.55	97.98	51.03	
	-5	-5.6	127.14	59.13	125.97	58.58	116.64	54.75	113.14	54.20	107.31	53.65	104.98	53.10	
	-3	-3.7	135.61	62.36	134.37	61.78	124.42	57.74	120.68	57.16	114.46	56.58	111.97	56.01	
	0	-0.7	149.17	60.97	147.81	60.41	136.86	56.46	132.75	55.89	125.91	55.33	123.17	54.76	
	3	2.2	161.04	55.43	159.56	54.92	147.74	51.32	143.31	50.81	135.92	50.30	132.97	49.78	
	5	4.1	164.43	53.12	162.92	52.63	150.85	49.19	146.33	48.69	138.79	48.20	135.77	47.71	
	7	6	169.52	46.19	167.96	45.76	155.52	42.77	150.85	42.34	143.08	41.91	139.97	41.49	
	9	7.9	172.91	45.73	171.32	45.31	158.63	42.34	153.87	41.92	145.94	41.50	142.77	41.07	
	11	9.8	172.91	45.27	171.32	44.85	158.63	41.91	153.87	41.50	145.94	41.08	142.77	40.66	
	13	11.8	172.91	45.04	171.32	44.62	158.63	41.70	153.87	41.28	145.94	40.87	142.77	40.45	
15	13.7	172.91	44.81	171.32	44.39	158.63	41.49	153.87	41.07	145.94	40.66	142.77	40.24		
19	14.2	174.49	44.57	171.32	44.16	158.63	41.27	153.87	40.86	145.94	40.45	142.77	40.03		
21	15	174.49	44.34	171.32	43.93	158.63	41.06	153.87	40.65	145.94	40.24	142.77	39.83		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT096S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	122.47	74.62	121.35	73.93	112.36	69.10	108.99	68.40	103.37	67.71	101.13	67.02	
	-18.80	-19.00	132.40	76.38	131.19	75.68	121.47	70.72	117.83	70.02	111.75	69.31	109.32	68.60	
	-14.7	-15	148.96	79.55	147.59	78.81	136.66	73.66	132.56	72.92	125.72	72.18	122.99	71.45	
	-12.6	-13	165.51	80.25	163.99	79.51	151.84	74.31	147.28	73.57	139.69	72.82	136.66	72.08	
	-10.5	-11	178.75	80.96	177.11	80.21	163.99	74.96	159.07	74.21	150.87	73.46	147.59	72.71	
	-9.5	-10	188.68	82.37	186.95	81.60	173.10	76.27	167.90	75.50	159.25	74.74	155.79	73.98	
	-8.5	-9.1	198.61	84.48	196.78	83.70	182.21	78.22	176.74	77.44	167.63	76.66	163.99	75.87	
	-7	-7.6	231.71	86.59	229.58	85.79	212.58	80.18	206.20	79.37	195.57	78.57	191.32	77.77	
	-5	-5.6	248.26	90.11	245.98	89.28	227.76	83.44	220.93	82.60	209.54	81.77	204.98	80.93	
	-3	-3.7	264.81	95.04	262.38	94.16	242.94	88.00	235.66	87.12	223.51	86.24	218.65	85.36	
	0	-0.7	291.29	92.93	288.62	92.07	267.24	86.04	259.22	85.18	245.86	84.32	240.51	83.46	
	3	2.2	314.46	84.48	311.58	83.70	288.50	78.22	279.84	77.44	265.42	76.66	259.65	75.87	
	5	4.1	321.08	80.96	318.14	80.21	294.57	74.96	285.73	74.21	271.00	73.46	265.11	72.71	
	7	6	331.01	70.40	327.97	69.75	303.68	65.18	294.57	64.53	279.39	63.88	273.31	63.23	
	9	7.9	337.63	69.69	334.53	69.05	309.75	64.53	300.46	63.89	284.97	63.24	278.78	62.60	
	11	9.8	337.63	68.99	334.53	68.35	309.75	63.88	300.46	63.24	284.97	62.60	278.78	61.96	
	13	11.8	337.63	68.64	334.53	68.00	309.75	63.55	300.46	62.92	284.97	62.28	278.78	61.65	
	15	13.7	337.63	68.29	334.53	67.65	309.75	63.23	300.46	62.60	284.97	61.96	278.78	61.33	
19	14.2	340.73	67.93	334.53	67.31	309.75	62.90	300.46	62.27	284.97	61.64	278.78	61.02		
21	15	340.73	67.58	334.53	66.96	309.75	62.58	300.46	61.95	284.97	61.33	278.78	60.70		
120%	-22.90	-23.00	121.30	75.39	120.18	74.69	111.28	69.81	107.94	69.11	102.38	68.41	100.15	67.71	
	-18.80	-19.00	131.13	77.17	129.93	76.46	120.30	71.45	116.69	70.74	110.68	70.02	108.27	69.31	
	-14.7	-15	147.52	80.37	146.17	79.63	135.34	74.42	131.28	73.67	124.51	72.93	121.81	72.18	
	-12.6	-13	163.91	81.08	162.41	80.33	150.38	75.08	145.87	74.33	138.35	73.57	135.34	72.82	
	-10.5	-11	177.03	81.79	175.40	81.04	162.41	75.73	157.54	74.98	149.42	74.22	146.17	73.46	
	-9.5	-10	186.86	83.22	185.15	82.45	171.43	77.05	166.29	76.28	157.72	75.51	154.29	74.74	
	-8.5	-9.1	196.70	85.35	194.89	84.56	180.46	79.03	175.04	78.24	166.02	77.45	162.41	76.66	
	-7	-7.6	229.48	87.48	227.37	86.67	210.53	81.00	204.22	80.19	193.69	79.38	189.48	78.57	
	-5	-5.6	245.87	91.04	243.62	90.20	225.57	84.30	218.80	83.45	207.52	82.61	203.01	81.77	
	-3	-3.7	262.26	96.02	259.86	95.13	240.61	88.91	233.39	88.02	221.36	87.13	216.55	86.24	
	0	-0.7	288.49	93.88	285.84	93.02	264.67	86.93	256.73	86.06	243.50	85.19	238.20	84.32	
	3	2.2	311.44	85.35	308.58	84.56	285.72	79.03	277.15	78.24	262.86	77.45	257.15	76.66	
	5	4.1	317.99	81.79	315.08	81.04	291.74	75.73	282.99	74.98	268.40	74.22	262.56	73.46	
	7	6	327.83	71.12	324.82	70.47	300.76	65.86	291.74	65.20	276.70	64.54	270.68	63.88	
	9	7.9	334.38	70.41	331.32	69.76	306.78	65.20	297.57	64.55	282.23	63.89	276.10	63.24	
	11	9.8	334.38	69.70	331.32	69.06	306.78	64.54	297.57	63.89	282.23	63.25	276.10	62.60	
	13	11.8	334.38	69.35	331.32	68.70	306.78	64.21	297.57	63.57	282.23	62.93	276.10	62.28	
	15	13.7	334.38	68.99	331.32	68.35	306.78	63.88	297.57	63.24	282.23	62.60	276.10	61.96	
19	14.2	337.45	68.64	331.32	68.00	306.78	63.55	297.57	62.92	282.23	62.28	276.10	61.64		
21	15	337.45	68.28	331.32	67.65	306.78	63.22	297.57	62.59	282.23	61.96	276.10	61.33		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT096S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	118.94	76.16	117.85	75.46	109.12	70.52	105.85	69.81	100.39	69.11	98.21	68.40	
	-18.80	-19.00	128.59	77.96	127.41	77.24	117.97	72.18	114.43	71.46	108.53	70.74	106.17	70.02	
	-14.7	-15	144.66	81.19	143.33	80.44	132.71	75.18	128.73	74.42	122.10	73.67	119.44	72.92	
	-12.6	-13	160.73	81.91	159.26	81.15	147.46	75.84	143.04	75.08	135.66	74.33	132.71	73.57	
	-10.5	-11	173.59	82.63	172.00	81.86	159.26	76.51	154.48	75.74	146.52	74.98	143.33	74.21	
	-9.5	-10	183.23	84.06	181.55	83.29	168.10	77.84	163.06	77.06	154.66	76.28	151.29	75.50	
	-8.5	-9.1	192.88	86.22	191.11	85.42	176.95	79.83	171.64	79.04	162.80	78.24	159.26	77.44	
	-7	-7.6	225.02	88.38	222.96	87.56	206.44	81.83	200.25	81.01	189.93	80.19	185.80	79.37	
	-5	-5.6	241.10	91.97	238.89	91.12	221.19	85.16	214.55	84.30	203.49	83.45	199.07	82.60	
	-3	-3.7	257.17	97.00	254.81	96.10	235.94	89.81	228.86	88.91	217.06	88.02	212.34	87.12	
	0	-0.7	282.89	94.84	280.29	93.96	259.53	87.82	251.74	86.94	238.77	86.06	233.58	85.18	
	3	2.2	305.39	86.22	302.59	85.42	280.17	79.83	271.77	79.04	257.76	78.24	252.16	77.44	
	5	4.1	311.82	82.63	308.96	81.86	286.07	76.51	277.49	75.74	263.19	74.98	257.47	74.21	
	7	6	321.46	71.85	318.51	71.18	294.92	66.53	286.07	65.86	271.33	65.20	265.43	64.53	
	9	7.9	327.89	71.13	324.88	70.47	300.82	65.86	291.79	65.20	276.75	64.55	270.74	63.89	
	11	9.8	327.89	70.41	324.88	69.76	300.82	65.20	291.79	64.55	276.75	63.89	270.74	63.24	
	13	11.8	327.89	70.05	324.88	69.41	300.82	64.86	291.79	64.22	276.75	63.57	270.74	62.92	
	15	13.7	327.89	69.69	324.88	69.05	300.82	64.53	291.79	63.89	276.75	63.24	270.74	62.60	
19	14.2	330.90	69.34	324.88	68.69	300.82	64.20	291.79	63.56	276.75	62.92	270.74	62.27		
21	15	330.90	68.98	324.88	68.34	300.82	63.87	291.79	63.23	276.75	62.59	270.74	61.95		
100%	-22.90	-23.00	117.76	76.93	116.68	76.22	108.04	71.23	104.80	70.52	99.40	69.81	97.24	69.10	
	-18.80	-19.00	127.31	78.74	126.14	78.02	116.80	72.91	113.30	72.18	107.46	71.45	105.12	70.72	
	-14.7	-15	143.23	82.01	141.91	81.25	131.40	75.94	127.46	75.18	120.89	74.42	118.26	73.66	
	-12.6	-13	159.14	82.74	157.68	81.97	146.00	76.61	141.62	75.84	134.32	75.08	131.40	74.31	
	-10.5	-11	171.87	83.46	170.29	82.69	157.68	77.28	152.95	76.51	145.07	75.73	141.91	74.96	
	-9.5	-10	181.42	84.91	179.76	84.13	166.44	78.62	161.45	77.84	153.12	77.05	149.80	76.27	
	-8.5	-9.1	190.97	87.09	189.22	86.28	175.20	80.64	169.94	79.83	161.18	79.03	157.68	78.22	
	-7	-7.6	222.80	89.27	220.75	88.44	204.40	82.66	198.27	81.83	188.05	81.00	183.96	80.18	
	-5	-5.6	238.71	92.90	236.52	92.04	219.00	86.02	212.43	85.16	201.48	84.30	197.10	83.44	
	-3	-3.7	254.62	97.98	252.29	97.07	233.60	90.72	226.59	89.81	214.91	88.91	210.24	88.00	
	0	-0.7	280.09	95.80	277.52	94.91	256.96	88.70	249.25	87.82	236.40	86.93	231.26	86.04	
	3	2.2	302.37	87.09	299.59	86.28	277.40	80.64	269.08	79.83	255.21	79.03	249.66	78.22	
	5	4.1	308.73	83.46	305.90	82.69	283.24	77.28	274.74	76.51	260.58	75.73	254.92	74.96	
	7	6	318.28	72.58	315.36	71.90	292.00	67.20	283.24	66.53	268.64	65.86	262.80	65.18	
	9	7.9	324.65	71.85	321.67	71.18	297.84	66.53	288.90	65.86	274.01	65.20	268.06	64.53	
	11	9.8	324.65	71.12	321.67	70.47	297.84	65.86	288.90	65.20	274.01	64.54	268.06	63.88	
	13	11.8	324.65	70.76	321.67	70.11	297.84	65.52	288.90	64.86	274.01	64.21	268.06	63.55	
	15	13.7	324.65	70.40	321.67	69.75	297.84	65.18	288.90	64.53	274.01	63.88	268.06	63.23	
19	14.2	327.62	70.04	321.67	69.39	297.84	64.85	288.90	64.20	274.01	63.55	268.06	62.90		
21	15	327.62	69.67	321.67	69.03	297.84	64.51	288.90	63.87	274.01	63.22	268.06	62.58		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT096S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	108.34	70.01	107.35	69.36	99.40	64.82	96.41	64.17	91.45	63.52	89.46	62.88	
	-18.80	-19.00	117.13	71.66	116.05	70.99	107.46	66.35	104.23	65.69	98.86	65.02	96.71	64.36	
	-14.7	-15	131.77	74.63	130.56	73.94	120.89	69.10	117.26	68.41	111.22	67.72	108.80	67.03	
	-12.6	-13	146.41	75.29	145.07	74.59	134.32	69.71	130.29	69.02	123.57	68.32	120.89	67.62	
	-10.5	-11	158.12	75.95	156.67	75.25	145.07	70.32	140.71	69.62	133.46	68.92	130.56	68.22	
	-9.5	-10	166.91	77.27	165.37	76.56	153.12	71.55	148.53	70.83	140.87	70.12	137.81	69.40	
	-8.5	-9.1	175.69	79.25	174.08	78.52	161.18	73.38	156.35	72.65	148.29	71.91	145.07	71.18	
	-7	-7.6	204.97	81.23	203.09	80.48	188.05	75.22	182.41	74.46	173.00	73.71	169.24	72.96	
	-5	-5.6	219.61	84.54	217.60	83.75	201.48	78.27	195.44	77.49	185.36	76.71	181.33	75.93	
	-3	-3.7	234.25	89.16	232.10	88.33	214.91	82.56	208.46	81.73	197.72	80.90	193.42	80.08	
	0	-0.7	257.68	87.18	255.32	86.37	236.40	80.72	229.31	79.91	217.49	79.11	212.76	78.30	
	3	2.2	278.18	79.25	275.62	78.52	255.21	73.38	247.55	72.65	234.79	71.91	229.69	71.18	
	5	4.1	284.03	75.95	281.43	75.25	260.58	70.32	252.76	69.62	239.73	68.92	234.52	68.22	
	7	6	292.82	66.04	290.13	65.43	268.64	61.15	260.58	60.54	247.15	59.93	241.78	59.32	
	9	7.9	298.67	65.38	295.93	64.78	274.01	60.54	265.79	59.94	252.09	59.33	246.61	58.72	
	11	9.8	298.67	64.72	295.93	64.12	274.01	59.93	265.79	59.33	252.09	58.73	246.61	58.13	
	13	11.8	298.67	64.39	295.93	63.80	274.01	59.62	265.79	59.03	252.09	58.43	246.61	57.83	
	15	13.7	298.67	64.06	295.93	63.47	274.01	59.32	265.79	58.72	252.09	58.13	246.61	57.54	
19	14.2	301.41	63.73	295.93	63.14	274.01	59.01	265.79	58.42	252.09	57.83	246.61	57.24		
21	15	301.41	63.40	295.93	62.82	274.01	58.71	265.79	58.12	252.09	57.53	246.61	56.94		
80%	-22.90	-23.00	95.39	56.71	94.51	56.18	87.51	52.51	84.89	51.98	80.51	51.46	78.76	50.93	
	-18.80	-19.00	103.12	58.04	102.18	57.51	94.61	53.74	91.77	53.21	87.04	52.67	85.15	52.13	
	-14.7	-15	116.01	60.45	114.95	59.89	106.43	55.97	103.24	55.41	97.92	54.85	95.79	54.29	
	-12.6	-13	128.90	60.99	127.72	60.42	118.26	56.47	114.71	55.90	108.80	55.34	106.43	54.77	
	-10.5	-11	139.22	61.52	137.94	60.95	127.72	56.96	123.89	56.39	117.50	55.82	114.95	55.25	
	-9.5	-10	146.95	62.59	145.60	62.01	134.82	57.95	130.77	57.37	124.03	56.79	121.33	56.22	
	-8.5	-9.1	154.68	64.19	153.26	63.60	141.91	59.44	137.65	58.85	130.56	58.25	127.72	57.66	
	-7	-7.6	180.46	65.80	178.81	65.19	165.56	60.93	160.60	60.32	152.32	59.71	149.01	59.10	
	-5	-5.6	193.36	68.47	191.58	67.84	177.39	63.40	172.07	62.77	163.20	62.13	159.65	61.50	
	-3	-3.7	206.25	72.22	204.35	71.55	189.22	66.87	183.54	66.20	174.08	65.53	170.29	64.86	
	0	-0.7	226.87	70.61	224.79	69.96	208.14	65.38	201.89	64.73	191.49	64.08	187.32	63.42	
	3	2.2	244.92	64.19	242.67	63.60	224.69	59.44	217.95	58.85	206.72	58.25	202.22	57.66	
	5	4.1	250.07	61.52	247.78	60.95	229.42	56.96	222.54	56.39	211.07	55.82	206.48	55.25	
	7	6	257.81	53.50	255.44	53.00	236.52	49.53	229.42	49.04	217.60	48.54	212.87	48.05	
	9	7.9	262.96	52.96	260.55	52.47	241.25	49.04	234.01	48.55	221.95	48.06	217.13	47.57	
	11	9.8	262.96	52.43	260.55	51.94	241.25	48.54	234.01	48.06	221.95	47.57	217.13	47.09	
	13	11.8	262.96	52.16	260.55	51.68	241.25	48.29	234.01	47.81	221.95	47.33	217.13	46.85	
	15	13.7	262.96	51.89	260.55	51.41	241.25	48.05	234.01	47.57	221.95	47.09	217.13	46.61	
19	14.2	265.38	51.62	260.55	51.15	241.25	47.80	234.01	47.32	221.95	46.84	217.13	46.37		
21	15	265.38	51.36	260.55	50.88	241.25	47.55	234.01	47.08	221.95	46.60	217.13	46.13		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT096S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	82.43	53.85	81.68	53.35	75.63	49.86	73.36	49.36	69.58	48.87	68.07	48.37	
	-18.80	-19.00	89.12	55.12	88.30	54.61	81.76	51.04	79.31	50.53	75.22	50.02	73.58	49.51	
	-14.7	-15	100.26	57.41	99.34	56.88	91.98	53.16	89.22	52.62	84.62	52.09	82.78	51.56	
	-12.6	-13	111.40	57.92	110.38	57.38	102.20	53.63	99.13	53.09	94.02	52.55	91.98	52.02	
	-10.5	-11	120.31	58.42	119.21	57.88	110.38	54.10	107.06	53.56	101.55	53.01	99.34	52.47	
	-9.5	-10	126.99	59.44	125.83	58.89	116.51	55.04	113.01	54.49	107.19	53.94	104.86	53.39	
	-8.5	-9.1	133.68	60.96	132.45	60.40	122.64	56.45	118.96	55.88	112.83	55.32	110.38	54.75	
	-7	-7.6	155.96	62.49	154.53	61.91	143.08	57.86	138.79	57.28	131.63	56.70	128.77	56.12	
	-5	-5.6	167.10	65.03	165.56	64.43	153.30	60.21	148.70	59.61	141.04	59.01	137.97	58.40	
	-3	-3.7	178.24	68.58	176.60	67.95	163.52	63.50	158.61	62.87	150.44	62.23	147.17	61.60	
	0	-0.7	196.06	67.06	194.26	66.44	179.87	62.09	174.48	61.47	165.48	60.85	161.88	60.23	
	3	2.2	211.66	60.96	209.71	60.40	194.18	56.45	188.35	55.88	178.65	55.32	174.76	54.75	
	5	4.1	216.11	58.42	214.13	57.88	198.27	54.10	192.32	53.56	182.41	53.01	178.44	52.47	
	7	6	222.80	50.80	220.75	50.33	204.40	47.04	198.27	46.57	188.05	46.10	183.96	45.63	
	9	7.9	227.25	50.30	225.17	49.83	208.49	46.57	202.23	46.10	191.81	45.64	187.64	45.17	
	11	9.8	227.25	49.79	225.17	49.33	208.49	46.10	202.23	45.64	191.81	45.18	187.64	44.72	
	13	11.8	227.25	49.53	225.17	49.07	208.49	45.86	202.23	45.41	191.81	44.95	187.64	44.49	
	15	13.7	227.25	49.28	225.17	48.82	208.49	45.63	202.23	45.17	191.81	44.72	187.64	44.26	
19	14.2	229.34	49.03	225.17	48.57	208.49	45.39	202.23	44.94	191.81	44.49	187.64	44.03		
21	15	229.34	48.77	225.17	48.32	208.49	45.16	202.23	44.71	191.81	44.26	187.64	43.80		
60%	-22.90	-23.00	74.19	47.70	73.51	47.26	68.07	44.16	66.02	43.72	62.62	43.28	61.26	42.84	
	-18.80	-19.00	80.21	48.82	79.47	48.37	73.58	45.21	71.38	44.75	67.70	44.30	66.23	43.85	
	-14.7	-15	90.23	50.85	89.40	50.38	82.78	47.08	80.30	46.61	76.16	46.14	74.50	45.67	
	-12.6	-13	100.26	51.30	99.34	50.82	91.98	47.50	89.22	47.02	84.62	46.55	82.78	46.07	
	-10.5	-11	108.28	51.75	107.29	51.27	99.34	47.91	96.36	47.43	91.39	46.96	89.40	46.48	
	-9.5	-10	114.29	52.65	113.25	52.16	104.86	48.75	101.71	48.26	96.47	47.77	94.37	47.28	
	-8.5	-9.1	120.31	54.00	119.21	53.50	110.38	50.00	107.06	49.50	101.55	49.00	99.34	48.50	
	-7	-7.6	140.36	55.35	139.07	54.83	128.77	51.25	124.91	50.73	118.47	50.22	115.89	49.71	
	-5	-5.6	150.39	57.60	149.01	57.06	137.97	53.33	133.83	52.80	126.93	52.26	124.17	51.73	
	-3	-3.7	160.41	60.75	158.94	60.18	147.17	56.25	142.75	55.68	135.39	55.12	132.45	54.56	
	0	-0.7	176.45	59.40	174.84	58.85	161.88	55.00	157.03	54.45	148.93	53.90	145.70	53.35	
	3	2.2	190.49	54.00	188.74	53.50	174.76	50.00	169.52	49.50	160.78	49.00	157.29	48.50	
	5	4.1	194.50	51.75	192.72	51.27	178.44	47.91	173.09	47.43	164.17	46.96	160.60	46.48	
	7	6	200.52	45.00	198.68	44.58	183.96	41.66	178.44	41.25	169.24	40.83	165.56	40.41	
	9	7.9	204.53	44.55	202.65	44.13	187.64	41.25	182.01	40.83	172.63	40.42	168.88	40.01	
	11	9.8	204.53	44.10	202.65	43.69	187.64	40.83	182.01	40.42	172.63	40.01	168.88	39.61	
	13	11.8	204.53	43.87	202.65	43.47	187.64	40.62	182.01	40.22	172.63	39.81	168.88	39.40	
	15	13.7	204.53	43.65	202.65	43.24	187.64	40.41	182.01	40.01	172.63	39.61	168.88	39.20	
19	14.2	206.40	43.42	202.65	43.02	187.64	40.21	182.01	39.80	172.63	39.40	168.88	39.00		
21	15	206.40	43.20	202.65	42.80	187.64	40.00	182.01	39.60	172.63	39.20	168.88	38.80		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT096S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	63.59	50.00	63.01	49.54	58.34	46.30	56.59	45.84	53.67	45.37	52.51	44.91	
	-18.80	-19.00	68.75	51.18	68.12	50.71	63.07	47.39	61.18	46.92	58.03	46.44	56.76	45.97	
	-14.7	-15	77.34	53.31	76.63	52.81	70.96	49.36	68.83	48.86	65.28	48.37	63.86	47.88	
	-12.6	-13	85.94	53.78	85.15	53.28	78.84	49.80	76.47	49.30	72.53	48.80	70.96	48.30	
	-10.5	-11	92.81	54.25	91.96	53.75	85.15	50.23	82.59	49.73	78.34	49.23	76.63	48.73	
	-9.5	-10	97.97	55.19	97.07	54.68	89.88	51.11	87.18	50.59	82.69	50.08	80.89	49.57	
	-8.5	-9.1	103.12	56.61	102.18	56.09	94.61	52.42	91.77	51.89	87.04	51.37	85.15	50.84	
	-7	-7.6	120.31	58.02	119.21	57.49	110.38	53.73	107.06	53.19	101.55	52.65	99.34	52.11	
	-5	-5.6	128.90	60.38	127.72	59.82	118.26	55.91	114.71	55.35	108.80	54.79	106.43	54.23	
	-3	-3.7	137.50	63.69	136.24	63.10	126.14	58.97	122.36	58.38	116.05	57.79	113.53	57.20	
	0	-0.7	151.25	62.27	149.86	61.69	138.76	57.66	134.60	57.08	127.66	56.50	124.88	55.93	
	3	2.2	163.28	56.61	161.78	56.09	149.80	52.42	145.30	51.89	137.81	51.37	134.82	50.84	
	5	4.1	166.72	54.25	165.19	53.75	152.95	50.23	148.36	49.73	140.71	49.23	137.65	48.73	
	7	6	171.87	47.17	170.29	46.74	157.68	43.68	152.95	43.24	145.07	42.81	141.91	42.37	
	9	7.9	175.31	46.70	173.70	46.27	160.83	43.24	156.01	42.81	147.97	42.38	144.75	41.95	
	11	9.8	175.31	46.23	173.70	45.80	160.83	42.81	156.01	42.38	147.97	41.95	144.75	41.52	
	13	11.8	175.31	46.00	173.70	45.57	160.83	42.59	156.01	42.16	147.97	41.74	144.75	41.31	
15	13.7	175.31	45.76	173.70	45.34	160.83	42.37	156.01	41.95	147.97	41.52	144.75	41.10		
19	14.2	176.92	45.52	173.70	45.10	160.83	42.15	156.01	41.73	147.97	41.31	144.75	40.89		
21	15	176.92	45.29	173.70	44.87	160.83	41.93	156.01	41.51	147.97	41.09	144.75	40.67		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT098S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	126.46	75.62	125.30	74.92	116.02	70.02	112.54	69.32	106.74	68.62	104.42	67.92	
	-18.80	-19.00	136.71	77.41	135.46	76.69	125.42	71.67	121.66	70.96	115.39	70.24	112.88	69.52	
	-14.7	-15	153.80	80.62	152.39	79.87	141.10	74.64	136.87	73.90	129.81	73.15	126.99	72.41	
	-12.6	-13	170.89	81.33	169.32	80.58	156.78	75.30	152.08	74.55	144.24	73.80	141.10	73.05	
	-10.5	-11	184.56	82.04	182.87	81.28	169.32	75.97	164.24	75.21	155.78	74.45	152.39	73.69	
	-9.5	-10	194.81	83.47	193.03	82.70	178.73	77.29	173.37	76.51	164.43	75.74	160.86	74.97	
	-8.5	-9.1	205.07	85.61	203.19	84.82	188.14	79.27	182.49	78.48	173.09	77.68	169.32	76.89	
	-7	-7.6	239.25	87.75	237.05	86.94	219.49	81.25	212.91	80.44	201.93	79.63	197.54	78.81	
	-5	-5.6	256.34	91.32	253.98	90.47	235.17	84.55	228.11	83.71	216.36	82.86	211.65	82.02	
	-3	-3.7	273.42	96.31	270.92	95.42	250.85	89.18	243.32	88.29	230.78	87.39	225.76	86.50	
	0	-0.7	300.77	94.17	298.01	93.30	275.93	87.20	267.65	86.32	253.86	85.45	248.34	84.58	
	3	2.2	324.69	85.61	321.71	84.82	297.88	79.27	288.95	78.48	274.05	77.68	268.09	76.89	
	5	4.1	331.53	82.04	328.49	81.28	304.15	75.97	295.03	75.21	279.82	74.45	273.74	73.69	
	7	6	341.78	71.34	338.64	70.68	313.56	66.06	304.15	65.40	288.48	64.74	282.20	64.08	
	9	7.9	348.62	70.63	345.42	69.97	319.83	65.40	310.24	64.74	294.24	64.09	287.85	63.43	
	11	9.8	348.62	69.91	345.42	69.27	319.83	64.74	310.24	64.09	294.24	63.44	287.85	62.79	
	13	11.8	348.62	69.56	345.42	68.91	319.83	64.41	310.24	63.76	294.24	63.12	287.85	62.47	
	15	13.7	348.62	69.20	345.42	68.56	319.83	64.08	310.24	63.43	294.24	62.79	287.85	62.15	
19	14.2	351.81	68.84	345.42	68.21	319.83	63.75	310.24	63.11	294.24	62.47	287.85	61.83		
21	15	351.81	68.49	345.42	67.85	319.83	63.41	310.24	62.78	294.24	62.15	287.85	61.51		
120%	-22.90	-23.00	125.24	76.40	124.09	75.69	114.90	70.74	111.45	70.03	105.71	69.33	103.41	68.62	
	-18.80	-19.00	135.40	78.20	134.16	77.48	124.22	72.41	120.49	71.69	114.28	70.96	111.80	70.24	
	-14.7	-15	152.32	81.45	150.92	80.69	139.75	75.41	135.55	74.66	128.57	73.91	125.77	73.15	
	-12.6	-13	169.25	82.17	167.69	81.41	155.27	76.08	150.61	75.32	142.85	74.56	139.75	73.80	
	-10.5	-11	182.79	82.89	181.11	82.12	167.69	76.75	162.66	75.98	154.28	75.21	150.92	74.45	
	-9.5	-10	192.94	84.33	191.17	83.55	177.01	78.08	171.70	77.30	162.85	76.52	159.31	75.74	
	-8.5	-9.1	203.10	86.49	201.23	85.69	186.33	80.09	180.74	79.28	171.42	78.48	167.69	77.68	
	-7	-7.6	236.95	88.65	234.77	87.83	217.38	82.09	210.86	81.27	199.99	80.45	195.64	79.63	
	-5	-5.6	253.87	92.26	251.54	91.40	232.91	85.42	225.92	84.57	214.28	83.72	209.62	82.86	
	-3	-3.7	270.80	97.30	268.31	96.40	248.44	90.10	240.98	89.20	228.56	88.29	223.59	87.39	
	0	-0.7	297.87	95.14	295.14	94.26	273.28	88.09	265.08	87.21	251.42	86.33	245.95	85.45	
	3	2.2	321.57	86.49	318.62	85.69	295.02	80.09	286.17	79.28	271.42	78.48	265.52	77.68	
	5	4.1	328.34	82.89	325.33	82.12	301.23	76.75	292.19	75.98	277.13	75.21	271.11	74.45	
	7	6	338.49	72.08	335.39	71.41	310.54	66.74	301.23	66.07	285.70	65.40	279.49	64.74	
	9	7.9	345.26	71.36	342.10	70.70	316.76	66.07	307.25	65.41	291.42	64.75	285.08	64.09	
	11	9.8	345.26	70.64	342.10	69.98	316.76	65.40	307.25	64.75	291.42	64.10	285.08	63.44	
	13	11.8	345.26	70.28	342.10	69.62	316.76	65.07	307.25	64.42	291.42	63.77	285.08	63.12	
	15	13.7	345.26	69.91	342.10	69.27	316.76	64.74	307.25	64.09	291.42	63.44	285.08	62.79	
19	14.2	348.43	69.55	342.10	68.91	316.76	64.40	307.25	63.76	291.42	63.11	285.08	62.47		
21	15	348.43	69.19	342.10	68.55	316.76	64.07	307.25	63.43	291.42	62.79	285.08	62.15		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT098S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	122.81	77.18	121.68	76.47	112.67	71.46	109.29	70.75	103.66	70.03	101.40	69.32	
	-18.80	-19.00	132.77	79.00	131.55	78.27	121.81	73.15	118.15	72.42	112.06	71.69	109.63	70.96	
	-14.7	-15	149.36	82.28	147.99	81.52	137.03	76.18	132.92	75.42	126.07	74.66	123.33	73.90	
	-12.6	-13	165.96	83.01	164.44	82.24	152.26	76.86	147.69	76.09	140.08	75.32	137.03	74.55	
	-10.5	-11	179.24	83.73	177.59	82.96	164.44	77.53	159.50	76.76	151.28	75.98	147.99	75.21	
	-9.5	-10	189.20	85.19	187.46	84.40	173.57	78.88	168.37	78.09	159.69	77.30	156.22	76.51	
	-8.5	-9.1	199.15	87.38	197.33	86.57	182.71	80.90	177.23	80.09	168.09	79.28	164.44	78.48	
	-7	-7.6	232.34	89.56	230.21	88.73	213.16	82.93	206.77	82.10	196.11	81.27	191.84	80.44	
	-5	-5.6	248.94	93.20	246.66	92.34	228.39	86.30	221.53	85.43	210.12	84.57	205.55	83.71	
	-3	-3.7	265.54	98.30	263.10	97.39	243.61	91.02	236.30	90.11	224.12	89.20	219.25	88.29	
	0	-0.7	292.09	96.11	289.41	95.22	267.97	88.99	259.93	88.10	246.54	87.21	241.18	86.32	
	3	2.2	315.33	87.38	312.43	86.57	289.29	80.90	280.61	80.09	266.15	79.28	260.36	78.48	
	5	4.1	321.96	83.73	319.01	82.96	295.38	77.53	286.52	76.76	271.75	75.98	265.84	75.21	
	7	6	331.92	72.81	328.88	72.14	304.51	67.42	295.38	66.74	280.15	66.07	274.06	65.40	
	9	7.9	338.56	72.08	335.45	71.42	310.61	66.74	301.29	66.08	285.76	65.41	279.54	64.74	
	11	9.8	338.56	71.36	335.45	70.70	310.61	66.07	301.29	65.41	285.76	64.75	279.54	64.09	
	13	11.8	338.56	70.99	335.45	70.33	310.61	65.73	301.29	65.08	285.76	64.42	279.54	63.76	
	15	13.7	338.56	70.63	335.45	69.97	310.61	65.40	301.29	64.74	285.76	64.09	279.54	63.43	
19	14.2	341.67	70.26	335.45	69.61	310.61	65.06	301.29	64.41	285.76	63.76	279.54	63.11		
21	15	341.67	69.90	335.45	69.25	310.61	64.72	301.29	64.08	285.76	63.43	279.54	62.78		
100%	-22.90	-23.00	121.59	77.96	120.48	77.24	111.55	72.19	108.21	71.46	102.63	70.74	100.40	70.02	
	-18.80	-19.00	131.45	79.80	130.25	79.06	120.60	73.89	116.98	73.15	110.95	72.41	108.54	71.67	
	-14.7	-15	147.89	83.11	146.53	82.34	135.67	76.95	131.60	76.18	124.82	75.41	122.11	74.64	
	-12.6	-13	164.32	83.84	162.81	83.07	150.75	77.63	146.23	76.86	138.69	76.08	135.67	75.30	
	-10.5	-11	177.46	84.58	175.83	83.80	162.81	78.32	157.93	77.53	149.79	76.75	146.53	75.97	
	-9.5	-10	187.32	86.05	185.60	85.25	171.85	79.68	166.70	78.88	158.11	78.08	154.67	77.29	
	-8.5	-9.1	197.18	88.26	195.37	87.44	180.90	81.72	175.47	80.90	166.43	80.09	162.81	79.27	
	-7	-7.6	230.04	90.46	227.93	89.63	211.05	83.76	204.72	82.93	194.17	82.09	189.94	81.25	
	-5	-5.6	246.48	94.14	244.21	93.27	226.12	87.17	219.34	86.30	208.03	85.42	203.51	84.55	
	-3	-3.7	262.91	99.29	260.50	98.37	241.20	91.94	233.96	91.02	221.90	90.10	217.08	89.18	
	0	-0.7	289.20	97.08	286.55	96.18	265.32	89.89	257.36	88.99	244.09	88.09	238.79	87.20	
	3	2.2	312.20	88.26	309.34	87.44	286.42	81.72	277.83	80.90	263.51	80.09	257.78	79.27	
	5	4.1	318.78	84.58	315.85	83.80	292.45	78.32	283.68	77.53	269.06	76.75	263.21	75.97	
	7	6	328.63	73.55	325.62	72.87	301.50	68.10	292.45	67.42	277.38	66.74	271.35	66.06	
	9	7.9	335.21	72.81	332.13	72.14	307.53	67.42	298.30	66.74	282.93	66.07	276.78	65.40	
	11	9.8	335.21	72.08	332.13	71.41	307.53	66.74	298.30	66.07	282.93	65.40	276.78	64.74	
	13	11.8	335.21	71.71	332.13	71.05	307.53	66.40	298.30	65.73	282.93	65.07	276.78	64.41	
	15	13.7	335.21	71.34	332.13	70.68	307.53	66.06	298.30	65.40	282.93	64.74	276.78	64.08	
19	14.2	338.28	70.97	332.13	70.32	307.53	65.72	298.30	65.06	282.93	64.40	276.78	63.75		
21	15	338.28	70.61	332.13	69.95	307.53	65.38	298.30	64.72	282.93	64.07	276.78	63.41		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT098S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	111.87	70.94	110.84	70.29	102.63	65.69	99.55	65.03	94.42	64.38	92.37	63.72	
	-18.80	-19.00	120.94	72.62	119.83	71.95	110.95	67.24	107.62	66.57	102.08	65.89	99.86	65.22	
	-14.7	-15	136.05	75.63	134.81	74.93	124.82	70.03	121.08	69.33	114.84	68.63	112.34	67.93	
	-12.6	-13	151.17	76.30	149.79	75.59	138.69	70.65	134.53	69.94	127.59	69.23	124.82	68.53	
	-10.5	-11	163.27	76.97	161.77	76.26	149.79	71.27	145.29	70.55	137.80	69.84	134.81	69.13	
	-9.5	-10	172.34	78.31	170.76	77.58	158.11	72.51	153.36	71.78	145.46	71.06	142.30	70.33	
	-8.5	-9.1	181.41	80.31	179.74	79.57	166.43	74.37	161.44	73.62	153.11	72.88	149.79	72.13	
	-7	-7.6	211.64	82.32	209.70	81.56	194.17	76.22	188.34	75.46	178.63	74.70	174.75	73.94	
	-5	-5.6	226.76	85.67	224.68	84.88	208.03	79.32	201.79	78.53	191.39	77.74	187.23	76.94	
	-3	-3.7	241.88	90.35	239.66	89.52	221.90	83.66	215.25	82.82	204.15	81.99	199.71	81.15	
	0	-0.7	266.06	88.35	263.62	87.53	244.09	81.80	236.77	80.98	224.57	80.17	219.68	79.35	
	3	2.2	287.23	80.31	284.59	79.57	263.51	74.37	255.61	73.62	242.43	72.88	237.16	72.13	
	5	4.1	293.27	76.97	290.58	76.26	269.06	71.27	260.99	70.55	247.53	69.84	242.15	69.13	
	7	6	302.34	66.93	299.57	66.31	277.38	61.97	269.06	61.35	255.19	60.73	249.64	60.11	
	9	7.9	308.39	66.26	305.56	65.65	282.93	61.35	274.44	60.74	260.29	60.12	254.63	59.51	
	11	9.8	308.39	65.59	305.56	64.98	282.93	60.73	274.44	60.12	260.29	59.52	254.63	58.91	
	13	11.8	308.39	65.26	305.56	64.65	282.93	60.42	274.44	59.82	260.29	59.21	254.63	58.61	
	15	13.7	308.39	64.92	305.56	64.32	282.93	60.11	274.44	59.51	260.29	58.91	254.63	58.31	
19	14.2	311.22	64.59	305.56	63.99	282.93	59.80	274.44	59.20	260.29	58.61	254.63	58.01		
21	15	311.22	64.25	305.56	63.66	282.93	59.49	274.44	58.90	260.29	58.30	254.63	57.71		
80%	-22.90	-23.00	98.49	57.46	97.59	56.93	90.36	53.21	87.65	52.68	83.13	52.14	81.32	51.61	
	-18.80	-19.00	106.48	58.82	105.50	58.28	97.69	54.46	94.76	53.92	89.87	53.37	87.92	52.83	
	-14.7	-15	119.79	61.26	118.69	60.69	109.90	56.72	106.60	56.15	101.11	55.59	98.91	55.02	
	-12.6	-13	133.10	61.80	131.88	61.23	122.11	57.22	118.44	56.65	112.34	56.08	109.90	55.51	
	-10.5	-11	143.74	62.34	142.43	61.77	131.88	57.73	127.92	57.15	121.33	56.57	118.69	55.99	
	-9.5	-10	151.73	63.43	150.34	62.84	139.20	58.73	135.03	58.14	128.07	57.56	125.28	56.97	
	-8.5	-9.1	159.72	65.05	158.25	64.45	146.53	60.24	142.13	59.63	134.81	59.03	131.88	58.43	
	-7	-7.6	186.34	66.68	184.63	66.06	170.95	61.74	165.82	61.12	157.27	60.51	153.86	59.89	
	-5	-5.6	199.65	69.39	197.81	68.75	183.16	64.25	177.67	63.61	168.51	62.97	164.85	62.32	
	-3	-3.7	212.96	73.19	211.00	72.51	195.37	67.77	189.51	67.09	179.74	66.41	175.83	65.73	
	0	-0.7	234.25	71.56	232.10	70.90	214.91	66.26	208.46	65.60	197.72	64.93	193.42	64.27	
	3	2.2	252.88	65.05	250.56	64.45	232.00	60.24	225.04	59.63	213.44	59.03	208.80	58.43	
	5	4.1	258.21	62.34	255.84	61.77	236.89	57.73	229.78	57.15	217.94	56.57	213.20	55.99	
	7	6	266.19	54.21	263.75	53.71	244.21	50.20	236.89	49.69	224.68	49.19	219.79	48.69	
	9	7.9	271.52	53.67	269.03	53.17	249.10	49.69	241.63	49.20	229.17	48.70	224.19	48.20	
	11	9.8	271.52	53.13	269.03	52.64	249.10	49.19	241.63	48.70	229.17	48.21	224.19	47.72	
	13	11.8	271.52	52.86	269.03	52.37	249.10	48.94	241.63	48.45	229.17	47.96	224.19	47.47	
	15	13.7	271.52	52.59	269.03	52.10	249.10	48.69	241.63	48.20	229.17	47.72	224.19	47.23	
19	14.2	274.01	52.31	269.03	51.83	249.10	48.44	241.63	47.96	229.17	47.47	224.19	46.99		
21	15	274.01	52.04	269.03	51.56	249.10	48.19	241.63	47.71	229.17	47.22	224.19	46.74		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT098S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-22.90	-23.00	85.12	54.57	84.34	54.07	78.09	50.53	75.75	50.02	71.84	49.52	70.28	49.01	
	-18.80	-19.00	92.02	55.86	91.17	55.34	84.42	51.72	81.89	51.20	77.67	50.69	75.98	50.17	
	-14.7	-15	103.52	58.18	102.57	57.64	94.97	53.87	92.12	53.33	87.37	52.79	85.48	52.25	
	-12.6	-13	115.02	58.69	113.97	58.15	105.52	54.34	102.36	53.80	97.08	53.26	94.97	52.71	
	-10.5	-11	124.22	59.21	123.08	58.66	113.97	54.82	110.55	54.27	104.85	53.72	102.57	53.18	
	-9.5	-10	131.13	60.24	129.92	59.68	120.30	55.77	116.69	55.22	110.67	54.66	108.27	54.10	
	-8.5	-9.1	138.03	61.78	136.76	61.21	126.63	57.20	122.83	56.63	116.50	56.06	113.97	55.49	
	-7	-7.6	161.03	63.32	159.55	62.74	147.73	58.63	143.30	58.05	135.92	57.46	132.96	56.88	
	-5	-5.6	172.53	65.90	170.95	65.29	158.29	61.02	153.54	60.41	145.62	59.80	142.46	59.19	
	-3	-3.7	184.04	69.50	182.35	68.86	168.84	64.35	163.77	63.71	155.33	63.07	151.96	62.42	
	0	-0.7	202.44	67.96	200.58	67.33	185.72	62.92	180.15	62.30	170.87	61.67	167.15	61.04	
	3	2.2	218.54	61.78	216.54	61.21	200.50	57.20	194.48	56.63	184.46	56.06	180.45	55.49	
	5	4.1	223.14	59.21	221.10	58.66	204.72	54.82	198.58	54.27	188.34	53.72	184.25	53.18	
	7	6	230.04	51.48	227.93	51.01	211.05	47.67	204.72	47.19	194.17	46.72	189.94	46.24	
	9	7.9	234.65	50.97	232.49	50.50	215.27	47.19	208.81	46.72	198.05	46.25	193.74	45.78	
	11	9.8	234.65	50.45	232.49	49.99	215.27	46.72	208.81	46.25	198.05	45.78	193.74	45.32	
	13	11.8	234.65	50.20	232.49	49.73	215.27	46.48	208.81	46.01	198.05	45.55	193.74	45.08	
	15	13.7	234.65	49.94	232.49	49.48	215.27	46.24	208.81	45.78	198.05	45.32	193.74	44.85	
19	14.2	236.80	49.68	232.49	49.22	215.27	46.00	208.81	45.54	198.05	45.08	193.74	44.62		
21	15	236.80	49.42	232.49	48.97	215.27	45.76	208.81	45.31	198.05	44.85	193.74	44.39		
60%	-22.90	-23.00	76.60	48.34	75.90	47.89	70.28	44.76	68.17	44.31	64.66	43.86	63.25	43.41	
	-18.80	-19.00	82.82	49.48	82.06	49.02	75.98	45.81	73.70	45.35	69.90	44.89	68.38	44.44	
	-14.7	-15	93.17	51.53	92.31	51.05	85.48	47.71	82.91	47.23	78.64	46.76	76.93	46.28	
	-12.6	-13	103.52	51.98	102.57	51.50	94.97	48.13	92.12	47.65	87.37	47.17	85.48	46.69	
	-10.5	-11	111.80	52.44	110.78	51.95	102.57	48.56	99.49	48.07	94.36	47.58	92.31	47.10	
	-9.5	-10	118.01	53.35	116.93	52.86	108.27	49.40	105.02	48.91	99.61	48.41	97.44	47.92	
	-8.5	-9.1	124.22	54.72	123.08	54.21	113.97	50.67	110.55	50.16	104.85	49.65	102.57	49.15	
	-7	-7.6	144.93	56.09	143.60	55.57	132.96	51.93	128.97	51.41	122.32	50.89	119.67	50.38	
	-5	-5.6	155.28	58.37	153.86	57.83	142.46	54.04	138.18	53.50	131.06	52.96	128.21	52.42	
	-3	-3.7	165.63	61.56	164.11	60.99	151.96	57.00	147.40	56.43	139.80	55.86	136.76	55.29	
	0	-0.7	182.20	60.19	180.52	59.63	167.15	55.73	162.14	55.18	153.78	54.62	150.44	54.06	
	3	2.2	196.69	54.72	194.88	54.21	180.45	50.67	175.03	50.16	166.01	49.65	162.40	49.15	
	5	4.1	200.83	52.44	198.99	51.95	184.25	48.56	178.72	48.07	169.51	47.58	165.82	47.10	
	7	6	207.04	45.60	205.14	45.18	189.94	42.22	184.25	41.80	174.75	41.38	170.95	40.96	
	9	7.9	211.18	45.14	209.24	44.73	193.74	41.80	187.93	41.38	178.24	40.96	174.37	40.55	
	11	9.8	211.18	44.69	209.24	44.27	193.74	41.38	187.93	40.96	178.24	40.55	174.37	40.14	
	13	11.8	211.18	44.46	209.24	44.05	193.74	41.17	187.93	40.75	178.24	40.34	174.37	39.93	
	15	13.7	211.18	44.23	209.24	43.82	193.74	40.96	187.93	40.55	178.24	40.14	174.37	39.73	
19	14.2	213.12	44.00	209.24	43.60	193.74	40.74	187.93	40.34	178.24	39.93	174.37	39.52		
21	15	213.12	43.78	209.24	43.37	193.74	40.53	187.93	40.13	178.24	39.72	174.37	39.32		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT098S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-22.90	-23.00	65.66	50.67	65.06	50.21	60.24	46.92	58.43	46.45	55.42	45.98	54.22	45.51	
	-18.80	-19.00	70.99	51.87	70.33	51.39	65.12	48.03	63.17	47.55	59.91	47.07	58.61	46.59	
	-14.7	-15	79.86	54.02	79.13	53.52	73.26	50.02	71.07	49.52	67.40	49.02	65.94	48.52	
	-12.6	-13	88.73	54.50	87.92	53.99	81.40	50.46	78.96	49.96	74.89	49.45	73.26	48.95	
	-10.5	-11	95.83	54.98	94.95	54.47	87.92	50.90	85.28	50.40	80.88	49.89	79.13	49.38	
	-9.5	-10	101.15	55.93	100.23	55.42	92.80	51.79	90.02	51.27	85.38	50.75	83.52	50.24	
	-8.5	-9.1	106.48	57.37	105.50	56.84	97.69	53.12	94.76	52.59	89.87	52.06	87.92	51.52	
	-7	-7.6	124.22	58.80	123.08	58.26	113.97	54.45	110.55	53.90	104.85	53.36	102.57	52.81	
	-5	-5.6	133.10	61.19	131.88	60.63	122.11	56.66	118.44	56.09	112.34	55.53	109.90	54.96	
	-3	-3.7	141.97	64.54	140.67	63.94	130.25	59.76	126.34	59.16	119.83	58.56	117.22	57.97	
	0	-0.7	156.17	63.10	154.73	62.52	143.27	58.43	138.97	57.85	131.81	57.26	128.95	56.68	
	3	2.2	168.59	57.37	167.04	56.84	154.67	53.12	150.03	52.59	142.30	52.06	139.20	51.52	
	5	4.1	172.14	54.98	170.56	54.47	157.93	50.90	153.19	50.40	145.29	49.89	142.13	49.38	
	7	6	177.46	47.81	175.83	47.36	162.81	44.27	157.93	43.82	149.79	43.38	146.53	42.94	
	9	7.9	181.01	47.33	179.35	46.89	166.07	43.82	161.08	43.38	152.78	42.95	149.46	42.51	
	11	9.8	181.01	46.85	179.35	46.42	166.07	43.38	161.08	42.95	152.78	42.51	149.46	42.08	
	13	11.8	181.01	46.61	179.35	46.18	166.07	43.16	161.08	42.73	152.78	42.30	149.46	41.86	
15	13.7	181.01	46.37	179.35	45.94	166.07	42.94	161.08	42.51	152.78	42.08	149.46	41.65		
19	14.2	182.67	46.13	179.35	45.71	166.07	42.72	161.08	42.29	152.78	41.86	149.46	41.43		
21	15	182.67	45.89	179.35	45.47	166.07	42.49	161.08	42.07	152.78	41.64	149.46	41.22		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT100S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-22.90	-23.00	130.44	76.62	129.25	75.91	119.67	70.95	116.08	70.24	110.10	69.53	107.71	68.82	
	-18.80	-19.00	141.02	78.43	139.73	77.70	129.38	72.62	125.49	71.89	119.03	71.17	116.44	70.44	
	-14.7	-15	158.65	81.68	157.19	80.93	145.55	75.63	141.18	74.87	133.90	74.12	130.99	73.36	
	-12.6	-13	176.27	82.40	174.66	81.64	161.72	76.30	156.87	75.54	148.78	74.77	145.55	74.01	
	-10.5	-11	190.38	83.13	188.63	82.36	174.66	76.97	169.42	76.20	160.68	75.43	157.19	74.66	
	-9.5	-10	200.95	84.57	199.11	83.79	184.36	78.31	178.83	77.53	169.61	76.74	165.92	75.96	
	-8.5	-9.1	211.53	86.74	209.59	85.94	194.06	80.32	188.24	79.51	178.54	78.71	174.66	77.91	
	-7	-7.6	246.78	88.91	244.52	88.09	226.41	82.32	219.62	81.50	208.30	80.68	203.77	79.85	
	-5	-5.6	264.41	92.52	261.99	91.67	242.58	85.67	235.30	84.81	223.17	83.96	218.32	83.10	
	-3	-3.7	282.04	97.58	279.45	96.68	258.75	90.36	250.99	89.45	238.05	88.55	232.88	87.64	
	0	-0.7	310.24	95.42	307.40	94.53	284.63	88.35	276.09	87.46	261.86	86.58	256.16	85.70	
	3	2.2	334.92	86.74	331.85	85.94	307.27	80.32	298.05	79.51	282.69	78.71	276.54	77.91	
	5	4.1	341.97	83.13	338.84	82.36	313.74	76.97	304.32	76.20	288.64	75.43	282.36	74.66	
	7	6	352.55	72.28	349.32	71.62	323.44	66.93	313.74	66.26	297.56	65.59	291.10	64.92	
	9	7.9	359.60	71.56	356.30	70.90	329.91	66.26	320.01	65.60	303.52	64.94	296.92	64.27	
	11	9.8	359.60	70.84	356.30	70.18	329.91	65.59	320.01	64.94	303.52	64.28	296.92	63.62	
	13	11.8	359.60	70.48	356.30	69.82	329.91	65.26	320.01	64.60	303.52	63.95	296.92	63.30	
	15	13.7	359.60	70.12	356.30	69.47	329.91	64.92	320.01	64.27	303.52	63.62	296.92	62.97	
	19	14.2	362.90	69.75	356.30	69.11	329.91	64.59	320.01	63.94	303.52	63.30	296.92	62.65	
	21	15	362.90	69.39	356.30	68.75	329.91	64.25	320.01	63.61	303.52	62.97	296.92	62.33	
120%	-22.90	-23.00	129.19	77.41	128.00	76.69	118.52	71.68	114.97	70.96	109.04	70.24	106.67	69.53	
	-18.80	-19.00	139.66	79.24	138.38	78.50	128.13	73.37	124.29	72.63	117.88	71.90	115.32	71.17	
	-14.7	-15	157.12	82.52	155.68	81.76	144.15	76.41	139.82	75.65	132.62	74.88	129.73	74.12	
	-12.6	-13	174.58	83.25	172.98	82.48	160.16	77.09	155.36	76.32	147.35	75.55	144.15	74.77	
	-10.5	-11	188.55	83.98	186.82	83.21	172.98	77.76	167.79	76.99	159.14	76.21	155.68	75.43	
	-9.5	-10	199.02	85.44	197.20	84.65	182.59	79.12	177.11	78.32	167.98	77.53	164.33	76.74	
	-8.5	-9.1	209.50	87.64	207.57	86.82	192.20	81.14	186.43	80.33	176.82	79.52	172.98	78.71	
	-7	-7.6	244.41	89.83	242.17	88.99	224.23	83.17	217.50	82.34	206.29	81.51	201.81	80.68	
	-5	-5.6	261.87	93.48	259.47	92.61	240.25	86.55	233.04	85.69	221.03	84.82	216.22	83.96	
	-3	-3.7	279.33	98.59	276.77	97.68	256.26	91.29	248.58	90.37	235.76	89.46	230.64	88.55	
	0	-0.7	307.26	96.40	304.44	95.51	281.89	89.26	273.43	88.37	259.34	87.47	253.70	86.58	
	3	2.2	331.70	87.64	328.66	86.82	304.31	81.14	295.18	80.33	279.97	79.52	273.88	78.71	
	5	4.1	338.68	83.98	335.58	83.21	310.72	77.76	301.40	76.99	285.86	76.21	279.65	75.43	
	7	6	349.16	73.03	345.96	72.35	320.33	67.62	310.72	66.94	294.70	66.27	288.30	65.59	
	9	7.9	356.14	72.30	352.88	71.63	326.74	66.94	316.93	66.27	300.60	65.60	294.06	64.94	
	11	9.8	356.14	71.57	352.88	70.91	326.74	66.27	316.93	65.60	300.60	64.94	294.06	64.28	
	13	11.8	356.14	71.20	352.88	70.54	326.74	65.93	316.93	65.27	300.60	64.61	294.06	63.95	
	15	13.7	356.14	70.84	352.88	70.18	326.74	65.59	316.93	64.94	300.60	64.28	294.06	63.62	
	19	14.2	359.41	70.47	352.88	69.82	326.74	65.25	316.93	64.60	300.60	63.95	294.06	63.30	
	21	15	359.41	70.11	352.88	69.46	326.74	64.92	316.93	64.27	300.60	63.62	294.06	62.97	

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT100S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	126.68	78.20	125.52	77.48	116.22	72.41	112.73	71.68	106.92	70.96	104.60	70.24	
	-18.80	-19.00	136.95	80.05	135.70	79.30	125.64	74.12	121.87	73.38	115.59	72.63	113.08	71.89	
	-14.7	-15	154.07	83.37	152.66	82.59	141.35	77.19	137.11	76.42	130.04	75.65	127.21	74.87	
	-12.6	-13	171.19	84.10	169.62	83.32	157.05	77.87	152.34	77.09	144.49	76.32	141.35	75.54	
	-10.5	-11	184.89	84.84	183.19	84.06	169.62	78.56	164.53	77.77	156.05	76.99	152.66	76.20	
	-9.5	-10	195.16	86.32	193.37	85.52	179.04	79.92	173.67	79.12	164.72	78.32	161.14	77.53	
	-8.5	-9.1	205.43	88.53	203.54	87.71	188.47	81.97	182.81	81.15	173.39	80.33	169.62	79.51	
	-7	-7.6	239.67	90.74	237.47	89.90	219.88	84.02	213.28	83.18	202.29	82.34	197.89	81.50	
	-5	-5.6	256.78	94.43	254.43	93.56	235.58	87.44	228.52	86.56	216.74	85.69	212.02	84.81	
	-3	-3.7	273.90	99.60	271.39	98.67	251.29	92.22	243.75	91.30	231.18	90.37	226.16	89.45	
	0	-0.7	301.29	97.38	298.53	96.48	276.42	90.17	268.12	89.27	254.30	88.37	248.78	87.46	
	3	2.2	325.26	88.53	322.28	87.71	298.40	81.97	289.45	81.15	274.53	80.33	268.56	79.51	
	5	4.1	332.11	84.84	329.06	84.06	304.69	78.56	295.55	77.77	280.31	76.99	274.22	76.20	
	7	6	342.38	73.77	339.24	73.09	314.11	68.31	304.69	67.63	288.98	66.94	282.70	66.26	
	9	7.9	349.23	73.04	346.02	72.36	320.39	67.63	310.78	66.95	294.76	66.27	288.35	65.60	
	11	9.8	349.23	72.30	346.02	71.63	320.39	66.94	310.78	66.27	294.76	65.60	288.35	64.94	
	13	11.8	349.23	71.93	346.02	71.26	320.39	66.60	310.78	65.94	294.76	65.27	288.35	64.60	
	15	13.7	349.23	71.56	346.02	70.90	320.39	66.26	310.78	65.60	294.76	64.94	288.35	64.27	
19	14.2	352.43	71.19	346.02	70.53	320.39	65.92	310.78	65.26	294.76	64.60	288.35	63.94		
21	15	352.43	70.82	346.02	70.17	320.39	65.58	310.78	64.92	294.76	64.27	288.35	63.61		
100%	-22.90	-23.00	125.43	78.99	124.28	78.26	115.07	73.14	111.62	72.41	105.86	71.68	103.56	70.95	
	-18.80	-19.00	135.60	80.85	134.35	80.11	124.40	74.87	120.67	74.12	114.45	73.37	111.96	72.62	
	-14.7	-15	152.55	84.21	151.15	83.43	139.95	77.97	135.75	77.19	128.75	76.41	125.95	75.63	
	-12.6	-13	169.49	84.95	167.94	84.17	155.50	78.66	150.83	77.87	143.06	77.09	139.95	76.30	
	-10.5	-11	183.05	85.70	181.38	84.90	167.94	79.35	162.90	78.56	154.50	77.76	151.15	76.97	
	-9.5	-10	193.22	87.19	191.45	86.38	177.27	80.73	171.95	79.92	163.09	79.12	159.54	78.31	
	-8.5	-9.1	203.39	89.42	201.53	88.60	186.60	82.80	181.00	81.97	171.67	81.14	167.94	80.32	
	-7	-7.6	237.29	91.66	235.12	90.81	217.70	84.87	211.17	84.02	200.28	83.17	195.93	82.32	
	-5	-5.6	254.24	95.39	251.91	94.50	233.25	88.32	226.25	87.44	214.59	86.55	209.92	85.67	
	-3	-3.7	271.19	100.60	268.70	99.67	248.80	93.15	241.34	92.22	228.90	91.29	223.92	90.36	
	0	-0.7	298.31	98.37	295.57	97.46	273.68	91.08	265.47	90.17	251.79	89.26	246.31	88.35	
	3	2.2	322.04	89.42	319.09	88.60	295.45	82.80	286.59	81.97	271.81	81.14	265.90	80.32	
	5	4.1	328.82	85.70	325.80	84.90	301.67	79.35	292.62	78.56	277.54	77.76	271.50	76.97	
	7	6	338.99	74.52	335.88	73.83	311.00	69.00	301.67	68.31	286.12	67.62	279.90	66.93	
	9	7.9	345.77	73.77	342.60	73.09	317.22	68.31	307.70	67.63	291.84	66.94	285.50	66.26	
	11	9.8	345.77	73.03	342.60	72.35	317.22	67.62	307.70	66.94	291.84	66.27	285.50	65.59	
	13	11.8	345.77	72.66	342.60	71.98	317.22	67.28	307.70	66.60	291.84	65.93	285.50	65.26	
	15	13.7	345.77	72.28	342.60	71.62	317.22	66.93	307.70	66.26	291.84	65.59	285.50	64.92	
19	14.2	348.94	71.91	342.60	71.25	317.22	66.59	307.70	65.92	291.84	65.25	285.50	64.59		
21	15	348.94	71.54	342.60	70.88	317.22	66.24	307.70	65.58	291.84	64.92	285.50	64.25		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT100S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	115.39	71.88	114.33	71.22	105.86	66.56	102.69	65.89	97.40	65.23	95.28	64.56	
	-18.80	-19.00	124.75	73.58	123.60	72.90	114.45	68.13	111.01	67.45	105.29	66.76	103.00	66.08	
	-14.7	-15	140.34	76.63	139.05	75.92	128.75	70.95	124.89	70.24	118.45	69.53	115.88	68.82	
	-12.6	-13	155.94	77.31	154.50	76.59	143.06	71.58	138.77	70.86	131.62	70.15	128.75	69.43	
	-10.5	-11	168.41	77.99	166.87	77.26	154.50	72.21	149.87	71.49	142.14	70.76	139.05	70.04	
	-9.5	-10	177.77	79.34	176.14	78.61	163.09	73.46	158.20	72.73	150.04	72.00	146.78	71.26	
	-8.5	-9.1	187.12	81.38	185.41	80.62	171.67	75.35	166.52	74.59	157.94	73.84	154.50	73.09	
	-7	-7.6	218.31	83.41	216.31	82.64	200.28	77.23	194.28	76.46	184.26	75.69	180.26	74.91	
	-5	-5.6	233.90	86.80	231.76	86.00	214.59	80.37	208.15	79.57	197.42	78.76	193.13	77.96	
	-3	-3.7	249.50	91.55	247.21	90.70	228.90	84.77	222.03	83.92	210.58	83.07	206.01	82.22	
	0	-0.7	274.45	89.51	271.93	88.68	251.79	82.88	244.23	82.05	231.64	81.23	226.61	80.40	
	3	2.2	296.28	81.38	293.56	80.62	271.81	75.35	263.66	74.59	250.07	73.84	244.63	73.09	
	5	4.1	302.51	77.99	299.74	77.26	277.54	72.21	269.21	71.49	255.33	70.76	249.78	70.04	
	7	6	311.87	67.81	309.01	67.19	286.12	62.79	277.54	62.16	263.23	61.53	257.51	60.91	
	9	7.9	318.11	67.14	315.19	66.51	291.84	62.16	283.09	61.54	268.49	60.92	262.66	60.30	
	11	9.8	318.11	66.46	315.19	65.84	291.84	61.53	283.09	60.92	268.49	60.30	262.66	59.69	
	13	11.8	318.11	66.12	315.19	65.51	291.84	61.22	283.09	60.61	268.49	60.00	262.66	59.38	
	15	13.7	318.11	65.78	315.19	65.17	291.84	60.91	283.09	60.30	268.49	59.69	262.66	59.08	
19	14.2	321.03	65.44	315.19	64.83	291.84	60.59	283.09	59.99	268.49	59.38	262.66	58.77		
21	15	321.03	65.10	315.19	64.50	291.84	60.28	283.09	59.68	268.49	59.07	262.66	58.47		
80%	-22.90	-23.00	101.60	58.22	100.66	57.69	93.21	53.91	90.41	53.37	85.75	52.83	83.89	52.29	
	-18.80	-19.00	109.83	59.60	108.83	59.05	100.76	55.18	97.74	54.63	92.70	54.08	90.69	53.53	
	-14.7	-15	123.56	62.07	122.43	61.49	113.36	57.47	109.96	56.90	104.29	56.32	102.02	55.75	
	-12.6	-13	137.29	62.62	136.03	62.04	125.95	57.98	122.18	57.40	115.88	56.82	113.36	56.24	
	-10.5	-11	148.27	63.17	146.91	62.58	136.03	58.49	131.95	57.90	125.15	57.32	122.43	56.73	
	-9.5	-10	156.51	64.27	155.08	63.67	143.59	59.51	139.28	58.91	132.10	58.32	129.23	57.72	
	-8.5	-9.1	164.75	65.91	163.24	65.30	151.15	61.03	146.61	60.42	139.05	59.81	136.03	59.20	
	-7	-7.6	192.21	67.56	190.44	66.94	176.34	62.56	171.05	61.93	162.23	61.31	158.70	60.68	
	-5	-5.6	205.94	70.31	204.05	69.66	188.93	65.10	183.26	64.45	173.82	63.80	170.04	63.15	
	-3	-3.7	219.67	74.15	217.65	73.47	201.53	68.66	195.48	67.97	185.41	67.29	181.38	66.60	
	0	-0.7	241.63	72.51	239.42	71.83	221.68	67.14	215.03	66.46	203.95	65.79	199.51	65.12	
	3	2.2	260.85	65.91	258.46	65.30	239.31	61.03	232.14	60.42	220.17	59.81	215.38	59.20	
	5	4.1	266.34	63.17	263.90	62.58	244.35	58.49	237.02	57.90	224.80	57.32	219.92	56.73	
	7	6	274.58	54.93	272.06	54.42	251.91	50.86	244.35	50.35	231.76	49.84	226.72	49.33	
	9	7.9	280.07	54.38	277.50	53.88	256.95	50.35	249.24	49.85	236.39	49.34	231.25	48.84	
	11	9.8	280.07	53.83	277.50	53.33	256.95	49.84	249.24	49.34	236.39	48.85	231.25	48.35	
	13	11.8	280.07	53.56	277.50	53.06	256.95	49.59	249.24	49.09	236.39	48.60	231.25	48.10	
	15	13.7	280.07	53.28	277.50	52.79	256.95	49.33	249.24	48.84	236.39	48.35	231.25	47.85	
19	14.2	282.64	53.01	277.50	52.52	256.95	49.08	249.24	48.59	236.39	48.10	231.25	47.61		
21	15	282.64	52.73	277.50	52.24	256.95	48.83	249.24	48.34	236.39	47.85	231.25	47.36		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT100S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	87.80	55.29	86.99	54.78	80.55	51.20	78.13	50.69	74.11	50.17	72.49	49.66	
	-18.80	-19.00	94.92	56.60	94.05	56.07	87.08	52.41	84.47	51.88	80.11	51.36	78.37	50.83	
	-14.7	-15	106.78	58.95	105.80	58.40	97.96	54.58	95.03	54.03	90.13	53.49	88.17	52.94	
	-12.6	-13	118.65	59.47	117.56	58.92	108.85	55.06	105.58	54.51	100.14	53.96	97.96	53.41	
	-10.5	-11	128.14	59.99	126.96	59.43	117.56	55.55	114.03	54.99	108.15	54.43	105.80	53.88	
	-9.5	-10	135.26	61.03	134.02	60.47	124.09	56.51	120.37	55.95	114.16	55.38	111.68	54.82	
	-8.5	-9.1	142.38	62.60	141.07	62.02	130.62	57.96	126.70	57.38	120.17	56.80	117.56	56.22	
	-7	-7.6	166.11	64.16	164.58	63.57	152.39	59.41	147.82	58.81	140.20	58.22	137.15	57.63	
	-5	-5.6	177.97	66.77	176.34	66.15	163.27	61.82	158.38	61.21	150.21	60.59	146.95	59.97	
	-3	-3.7	189.83	70.42	188.09	69.77	174.16	65.21	168.94	64.55	160.23	63.90	156.74	63.25	
	0	-0.7	208.82	68.86	206.90	68.22	191.58	63.76	185.83	63.12	176.25	62.48	172.42	61.84	
	3	2.2	225.43	62.60	223.36	62.02	206.81	57.96	200.61	57.38	190.27	56.80	186.13	56.22	
	5	4.1	230.17	59.99	228.06	59.43	211.17	55.55	204.83	54.99	194.28	54.43	190.05	53.88	
	7	6	237.29	52.16	235.12	51.68	217.70	48.30	211.17	47.82	200.28	47.33	195.93	46.85	
	9	7.9	242.04	51.64	239.82	51.16	222.05	47.82	215.39	47.34	204.29	46.86	199.85	46.38	
	11	9.8	242.04	51.12	239.82	50.65	222.05	47.33	215.39	46.86	204.29	46.39	199.85	45.91	
	13	11.8	242.04	50.86	239.82	50.39	222.05	47.09	215.39	46.62	204.29	46.15	199.85	45.68	
	15	13.7	242.04	50.60	239.82	50.13	222.05	46.85	215.39	46.38	204.29	45.91	199.85	45.45	
19	14.2	244.26	50.34	239.82	49.87	222.05	46.61	215.39	46.14	204.29	45.68	199.85	45.21		
21	15	244.26	50.08	239.82	49.61	222.05	46.37	215.39	45.90	204.29	45.44	199.85	44.98		
60%	-22.90	-23.00	79.02	48.97	78.29	48.52	72.49	45.35	70.32	44.89	66.69	44.44	65.24	43.99	
	-18.80	-19.00	85.43	50.13	84.64	49.67	78.37	46.42	76.02	45.95	72.10	45.49	70.53	45.02	
	-14.7	-15	96.10	52.21	95.22	51.73	88.17	48.34	85.52	47.86	81.12	47.37	79.35	46.89	
	-12.6	-13	106.78	52.67	105.80	52.18	97.96	48.77	95.03	48.28	90.13	47.79	88.17	47.31	
	-10.5	-11	115.32	53.13	114.27	52.64	105.80	49.20	102.63	48.71	97.34	48.21	95.22	47.72	
	-9.5	-10	121.73	54.06	120.61	53.56	111.68	50.05	108.33	49.55	102.75	49.05	100.51	48.55	
	-8.5	-9.1	128.14	55.44	126.96	54.93	117.56	51.34	114.03	50.82	108.15	50.31	105.80	49.80	
	-7	-7.6	149.49	56.83	148.12	56.30	137.15	52.62	133.04	52.09	126.18	51.57	123.44	51.04	
	-5	-5.6	160.17	59.14	158.70	58.59	146.95	54.76	142.54	54.21	135.19	53.66	132.25	53.12	
	-3	-3.7	170.85	62.37	169.28	61.80	156.74	57.75	152.04	57.18	144.20	56.60	141.07	56.02	
	0	-0.7	187.94	60.99	186.21	60.42	172.42	56.47	167.25	55.90	158.62	55.34	155.18	54.78	
	3	2.2	202.89	55.44	201.02	54.93	186.13	51.34	180.55	50.82	171.24	50.31	167.52	49.80	
	5	4.1	207.16	53.13	205.26	52.64	190.05	49.20	184.35	48.71	174.85	48.21	171.05	47.72	
	7	6	213.56	46.20	211.60	45.77	195.93	42.78	190.05	42.35	180.26	41.92	176.34	41.50	
	9	7.9	217.83	45.74	215.84	45.32	199.85	42.35	193.85	41.93	183.86	41.51	179.86	41.08	
	11	9.8	217.83	45.28	215.84	44.86	199.85	41.92	193.85	41.51	183.86	41.09	179.86	40.67	
	13	11.8	217.83	45.05	215.84	44.63	199.85	41.71	193.85	41.29	183.86	40.88	179.86	40.46	
	15	13.7	217.83	44.82	215.84	44.40	199.85	41.50	193.85	41.08	183.86	40.67	179.86	40.25	
19	14.2	219.83	44.59	215.84	44.17	199.85	41.28	193.85	40.87	183.86	40.46	179.86	40.04		
21	15	219.83	44.35	215.84	43.94	199.85	41.07	193.85	40.66	183.86	40.25	179.86	39.84		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT100S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
50%	-22.90	-23.00	67.73	51.34	67.11	50.87	62.14	47.54	60.27	47.07	57.17	46.59	55.92	46.11	
	-18.80	-19.00	73.22	52.56	72.55	52.07	67.18	48.66	65.16	48.18	61.80	47.69	60.46	47.20	
	-14.7	-15	82.37	54.73	81.62	54.23	75.57	50.68	73.31	50.17	69.53	49.67	68.02	49.16	
	-12.6	-13	91.53	55.22	90.69	54.71	83.97	51.13	81.45	50.62	77.25	50.11	75.57	49.60	
	-10.5	-11	98.85	55.70	97.94	55.19	90.69	51.58	87.97	51.06	83.43	50.55	81.62	50.03	
	-9.5	-10	104.34	56.67	103.38	56.15	95.73	52.47	92.85	51.95	88.07	51.43	86.15	50.90	
	-8.5	-9.1	109.83	58.13	108.83	57.59	100.76	53.82	97.74	53.28	92.70	52.74	90.69	52.21	
	-7	-7.6	128.14	59.58	126.96	59.03	117.56	55.17	114.03	54.61	108.15	54.06	105.80	53.51	
	-5	-5.6	137.29	62.00	136.03	61.43	125.95	57.41	122.18	56.83	115.88	56.26	113.36	55.69	
	-3	-3.7	146.44	65.39	145.10	64.79	134.35	60.55	130.32	59.94	123.60	59.34	120.92	58.73	
	0	-0.7	161.09	63.94	159.61	63.35	147.79	59.20	143.35	58.61	135.96	58.02	133.01	57.43	
	3	2.2	173.90	58.13	172.31	57.59	159.54	53.82	154.76	53.28	146.78	52.74	143.59	52.21	
	5	4.1	177.56	55.70	175.93	55.19	162.90	51.58	158.01	51.06	149.87	50.55	146.61	50.03	
	7	6	183.05	48.44	181.38	47.99	167.94	44.85	162.90	44.40	154.50	43.95	151.15	43.50	
	9	7.9	186.72	47.95	185.00	47.51	171.30	44.40	166.16	43.96	157.59	43.51	154.17	43.07	
	11	9.8	186.72	47.47	185.00	47.03	171.30	43.95	166.16	43.51	157.59	43.07	154.17	42.63	
	13	11.8	186.72	47.23	185.00	46.79	171.30	43.73	166.16	43.29	157.59	42.85	154.17	42.42	
15	13.7	186.72	46.98	185.00	46.55	171.30	43.50	166.16	43.07	157.59	42.63	154.17	42.20		
19	14.2	188.43	46.74	185.00	46.31	171.30	43.28	166.16	42.85	157.59	42.41	154.17	41.98		
21	15	188.43	46.50	185.00	46.07	171.30	43.06	166.16	42.63	157.59	42.19	154.17	41.76		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)

38VT102S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	134.43	77.62	133.19	76.90	123.33	71.87	119.63	71.15	113.46	70.43	111.00	69.72	
	-18.80	-19.00	145.33	79.45	143.99	78.72	133.33	73.57	129.33	72.83	122.66	72.09	120.00	71.36	
	-14.7	-15	163.49	82.75	161.99	81.98	149.99	76.62	145.49	75.85	137.99	75.09	134.99	74.32	
	-12.6	-13	181.66	83.48	179.99	82.71	166.66	77.30	161.66	76.52	153.33	75.75	149.99	74.98	
	-10.5	-11	196.19	84.21	194.39	83.43	179.99	77.97	174.59	77.19	165.59	76.41	161.99	75.63	
	-9.5	-10	207.09	85.68	205.19	84.88	189.99	79.33	184.29	78.54	174.79	77.74	170.99	76.95	
	-8.5	-9.1	217.99	87.87	215.99	87.06	199.99	81.36	193.99	80.55	183.99	79.74	179.99	78.92	
	-7	-7.6	254.32	90.07	251.99	89.24	233.32	83.40	226.32	82.56	214.66	81.73	209.99	80.90	
	-5	-5.6	272.49	93.73	269.99	92.86	249.99	86.79	242.49	85.92	229.99	85.05	224.99	84.18	
	-3	-3.7	290.66	98.86	287.99	97.94	266.66	91.53	258.66	90.62	245.32	89.70	239.99	88.79	
	0	-0.7	319.72	96.66	316.79	95.76	293.32	89.50	284.52	88.60	269.86	87.71	263.99	86.81	
	3	2.2	345.15	87.87	341.99	87.06	316.65	81.36	307.15	80.55	291.32	79.74	284.99	78.92	
	5	4.1	352.42	84.21	349.19	83.43	323.32	77.97	313.62	77.19	297.45	76.41	290.99	75.63	
	7	6	363.32	73.23	359.99	72.55	333.32	67.80	323.32	67.12	306.65	66.45	299.99	65.77	
	9	7.9	370.59	72.49	367.19	71.82	339.99	67.12	329.79	66.45	312.79	65.78	305.99	65.11	
	11	9.8	370.59	71.76	367.19	71.10	339.99	66.45	329.79	65.78	312.79	65.12	305.99	64.45	
	13	11.8	370.59	71.40	367.19	70.74	339.99	66.11	329.79	65.45	312.79	64.79	305.99	64.12	
	15	13.7	370.59	71.03	367.19	70.37	339.99	65.77	329.79	65.11	312.79	64.45	305.99	63.80	
19	14.2	373.99	70.66	367.19	70.01	339.99	65.43	329.79	64.78	312.79	64.12	305.99	63.47		
21	15	373.99	70.30	367.19	69.65	339.99	65.09	329.79	64.44	312.79	63.79	305.99	63.14		
120%	-22.90	-23.00	133.14	78.42	131.91	77.69	122.14	72.61	118.48	71.89	112.37	71.16	109.93	70.43	
	-18.80	-19.00	143.93	80.27	142.61	79.53	132.05	74.32	128.08	73.58	121.48	72.84	118.84	72.09	
	-14.7	-15	161.92	83.60	160.44	82.83	148.55	77.41	144.10	76.63	136.67	75.86	133.70	75.09	
	-12.6	-13	179.91	84.34	178.26	83.56	165.06	78.09	160.11	77.31	151.85	76.53	148.55	75.75	
	-10.5	-11	194.31	85.08	192.52	84.29	178.26	78.78	172.91	77.99	164.00	77.20	160.44	76.41	
	-9.5	-10	205.10	86.56	203.22	85.76	188.17	80.15	182.52	79.35	173.11	78.54	169.35	77.74	
	-8.5	-9.1	215.90	88.78	213.91	87.96	198.07	82.20	192.13	81.38	182.22	80.56	178.26	79.74	
	-7	-7.6	251.88	91.00	249.57	90.16	231.08	84.26	224.15	83.41	212.59	82.57	207.97	81.73	
	-5	-5.6	269.87	94.70	267.39	93.82	247.59	87.68	240.16	86.81	227.78	85.93	222.83	85.05	
	-3	-3.7	287.86	99.88	285.22	98.95	264.09	92.48	256.17	91.55	242.96	90.63	237.68	89.70	
	0	-0.7	316.65	97.66	313.74	96.75	290.50	90.42	281.79	89.52	267.26	88.61	261.45	87.71	
	3	2.2	341.83	88.78	338.70	87.96	313.61	82.20	304.20	81.38	288.52	80.56	282.25	79.74	
	5	4.1	349.03	85.08	345.83	84.29	320.21	78.78	310.61	77.99	294.59	77.20	288.19	76.41	
	7	6	359.83	73.98	356.52	73.30	330.11	68.50	320.21	67.82	303.71	67.13	297.10	66.45	
	9	7.9	367.02	73.24	363.65	72.56	336.72	67.82	326.62	67.14	309.78	66.46	303.05	65.78	
	11	9.8	367.02	72.50	363.65	71.83	336.72	67.13	326.62	66.46	309.78	65.79	303.05	65.12	
	13	11.8	367.02	72.13	363.65	71.46	336.72	66.79	326.62	66.12	309.78	65.45	303.05	64.79	
	15	13.7	367.02	71.76	363.65	71.10	336.72	66.45	326.62	65.78	309.78	65.12	303.05	64.45	
19	14.2	370.39	71.39	363.65	70.73	336.72	66.10	326.62	65.44	309.78	64.78	303.05	64.12		
21	15	370.39	71.02	363.65	70.37	336.72	65.76	326.62	65.10	309.78	64.45	303.05	63.79		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT102S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	130.55	79.22	129.35	78.49	119.77	73.35	116.18	72.62	110.19	71.89	107.79	71.15	
	-18.80	-19.00	141.14	81.09	139.84	80.34	129.48	75.08	125.60	74.33	119.12	73.58	116.53	72.83	
	-14.7	-15	158.78	84.45	157.32	83.67	145.67	78.20	141.30	77.42	134.01	76.63	131.10	75.85	
	-12.6	-13	176.42	85.20	174.80	84.41	161.85	78.89	157.00	78.10	148.90	77.31	145.67	76.52	
	-10.5	-11	190.53	85.95	188.78	85.15	174.80	79.58	169.56	78.79	160.82	77.99	157.32	77.19	
	-9.5	-10	201.12	87.44	199.27	86.63	184.51	80.97	178.98	80.16	169.75	79.35	166.06	78.54	
	-8.5	-9.1	211.70	89.68	209.76	88.85	194.22	83.04	188.40	82.21	178.69	81.38	174.80	80.55	
	-7	-7.6	246.99	91.93	244.72	91.08	226.59	85.12	219.80	84.27	208.47	83.41	203.93	82.56	
	-5	-5.6	264.63	95.66	262.20	94.78	242.78	88.58	235.50	87.69	223.36	86.81	218.50	85.92	
	-3	-3.7	282.27	100.90	279.68	99.96	258.96	93.42	251.20	92.49	238.25	91.55	233.07	90.62	
	0	-0.7	310.50	98.65	307.65	97.74	284.86	91.35	276.31	90.43	262.07	89.52	256.37	88.60	
	3	2.2	335.20	89.68	332.12	88.85	307.52	83.04	298.29	82.21	282.92	81.38	276.77	80.55	
	5	4.1	342.25	85.95	339.11	85.15	313.99	79.58	304.57	78.79	288.87	77.99	282.59	77.19	
	7	6	352.84	74.74	349.60	74.05	323.70	69.20	313.99	68.51	297.81	67.82	291.33	67.12	
	9	7.9	359.90	73.99	356.59	73.30	330.18	68.51	320.27	67.82	303.76	67.14	297.16	66.45	
	11	9.8	359.90	73.24	356.59	72.56	330.18	67.82	320.27	67.14	303.76	66.46	297.16	65.78	
	13	11.8	359.90	72.87	356.59	72.19	330.18	67.47	320.27	66.80	303.76	66.12	297.16	65.45	
	15	13.7	359.90	72.49	356.59	71.82	330.18	67.12	320.27	66.45	303.76	65.78	297.16	65.11	
19	14.2	363.20	72.12	356.59	71.45	330.18	66.78	320.27	66.11	303.76	65.44	297.16	64.78		
21	15	363.20	71.75	356.59	71.08	330.18	66.43	320.27	65.77	303.76	65.10	297.16	64.44		
100%	-22.90	-23.00	129.26	80.02	128.07	79.28	118.58	74.09	115.03	73.35	109.10	72.61	106.73	71.87	
	-18.80	-19.00	139.74	81.91	138.46	81.15	128.20	75.84	124.35	75.08	117.94	74.32	115.38	73.57	
	-14.7	-15	157.21	85.31	155.76	84.52	144.22	78.99	139.90	78.20	132.69	77.41	129.80	76.62	
	-12.6	-13	174.67	86.06	173.07	85.26	160.25	79.69	155.44	78.89	147.43	78.09	144.22	77.30	
	-10.5	-11	188.65	86.82	186.92	86.01	173.07	80.39	167.88	79.58	159.22	78.78	155.76	77.97	
	-9.5	-10	199.13	88.33	197.30	87.51	182.68	81.78	177.20	80.97	168.07	80.15	164.42	79.33	
	-8.5	-9.1	209.61	90.59	207.68	89.75	192.30	83.88	186.53	83.04	176.92	82.20	173.07	81.36	
	-7	-7.6	244.54	92.86	242.30	92.00	224.35	85.98	217.62	85.12	206.40	84.26	201.91	83.40	
	-5	-5.6	262.01	96.63	259.60	95.74	240.37	89.47	233.16	88.58	221.14	87.68	216.34	86.79	
	-3	-3.7	279.48	101.91	276.91	100.97	256.40	94.37	248.71	93.42	235.89	92.48	230.76	91.53	
	0	-0.7	307.42	99.65	304.60	98.73	282.04	92.27	273.58	91.35	259.48	90.42	253.84	89.50	
	3	2.2	331.88	90.59	328.83	89.75	304.47	83.88	295.34	83.04	280.12	82.20	274.03	81.36	
	5	4.1	338.86	86.82	335.76	86.01	310.88	80.39	301.56	79.58	286.01	78.78	279.80	77.97	
	7	6	349.34	75.49	346.14	74.79	320.50	69.90	310.88	69.20	294.86	68.50	288.45	67.80	
	9	7.9	356.33	74.74	353.06	74.05	326.91	69.20	317.10	68.51	300.76	67.82	294.22	67.12	
	11	9.8	356.33	73.98	353.06	73.30	326.91	68.50	317.10	67.82	300.76	67.13	294.22	66.45	
	13	11.8	356.33	73.60	353.06	72.92	326.91	68.15	317.10	67.47	300.76	66.79	294.22	66.11	
	15	13.7	356.33	73.23	353.06	72.55	326.91	67.80	317.10	67.12	300.76	66.45	294.22	65.77	
19	14.2	359.60	72.85	353.06	72.18	326.91	67.45	317.10	66.78	300.76	66.10	294.22	65.43		
21	15	359.60	72.47	353.06	71.80	326.91	67.10	317.10	66.43	300.76	65.76	294.22	65.09		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT102S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	118.92	72.82	117.83	72.15	109.10	67.43	105.83	66.75	100.37	66.08	98.19	65.40	
	-18.80	-19.00	128.56	74.54	127.38	73.85	117.94	69.02	114.41	68.33	108.51	67.64	106.15	66.95	
	-14.7	-15	144.63	77.63	143.30	76.91	132.69	71.88	128.71	71.16	122.07	70.44	119.42	69.72	
	-12.6	-13	160.70	78.32	159.22	77.59	147.43	72.51	143.01	71.79	135.64	71.06	132.69	70.34	
	-10.5	-11	173.55	79.00	171.96	78.27	159.22	73.15	154.45	72.42	146.49	71.69	143.30	70.96	
	-9.5	-10	183.20	80.38	181.52	79.63	168.07	74.42	163.03	73.68	154.62	72.93	151.26	72.19	
	-8.5	-9.1	192.84	82.44	191.07	81.67	176.92	76.33	171.61	75.57	162.76	74.80	159.22	74.04	
	-7	-7.6	224.98	84.50	222.91	83.72	206.40	78.24	200.21	77.46	189.89	76.67	185.76	75.89	
	-5	-5.6	241.05	87.93	238.84	87.12	221.14	81.42	214.51	80.61	203.45	79.79	199.03	78.98	
	-3	-3.7	257.12	92.74	254.76	91.88	235.89	85.87	228.81	85.01	217.02	84.15	212.30	83.30	
	0	-0.7	282.83	90.68	280.23	89.84	259.48	83.96	251.69	83.12	238.72	82.28	233.53	81.44	
	3	2.2	305.33	82.44	302.53	81.67	280.12	76.33	271.71	75.57	257.71	74.80	252.11	74.04	
	5	4.1	311.76	79.00	308.90	78.27	286.01	73.15	277.43	72.42	263.13	71.69	257.41	70.96	
	7	6	321.40	68.70	318.45	68.06	294.86	63.61	286.01	62.97	271.27	62.34	265.37	61.70	
	9	7.9	327.83	68.01	324.82	67.38	300.76	62.97	291.73	62.34	276.70	61.71	270.68	61.08	
	11	9.8	327.83	67.32	324.82	66.70	300.76	62.34	291.73	61.71	276.70	61.09	270.68	60.47	
	13	11.8	327.83	66.98	324.82	66.36	300.76	62.02	291.73	61.40	276.70	60.78	270.68	60.16	
15	13.7	327.83	66.64	324.82	66.02	300.76	61.70	291.73	61.08	276.70	60.47	270.68	59.85		
19	14.2	330.83	66.29	324.82	65.68	300.76	61.38	291.73	60.77	276.70	60.16	270.68	59.54		
21	15	330.83	65.95	324.82	65.34	300.76	61.06	291.73	60.45	276.70	59.84	270.68	59.23		
80%	-22.90	-23.00	104.70	58.98	103.74	58.44	96.05	54.61	93.17	54.07	88.37	53.52	86.45	52.98	
	-18.80	-19.00	113.19	60.37	112.15	59.82	103.84	55.90	100.73	55.34	95.53	54.78	93.46	54.23	
	-14.7	-15	127.34	62.88	126.17	62.30	116.82	58.22	113.32	57.64	107.48	57.06	105.14	56.47	
	-12.6	-13	141.48	63.44	140.19	62.85	129.80	58.74	125.91	58.15	119.42	57.56	116.82	56.97	
	-10.5	-11	152.80	63.99	151.40	63.40	140.19	59.25	135.98	58.66	128.97	58.07	126.17	57.47	
	-9.5	-10	161.29	65.10	159.81	64.50	147.97	60.28	143.54	59.68	136.14	59.08	133.18	58.47	
	-8.5	-9.1	169.78	66.77	168.22	66.16	155.76	61.83	151.09	61.21	143.30	60.59	140.19	59.97	
	-7	-7.6	198.08	68.44	196.26	67.81	181.72	63.37	176.27	62.74	167.19	62.11	163.55	61.47	
	-5	-5.6	212.23	71.23	210.28	70.57	194.70	65.95	188.86	65.29	179.13	64.63	175.23	63.97	
	-3	-3.7	226.38	75.12	224.30	74.43	207.68	69.56	201.45	68.86	191.07	68.17	186.92	67.47	
	0	-0.7	249.01	73.45	246.73	72.77	228.45	68.01	221.60	67.33	210.18	66.65	205.61	65.97	
	3	2.2	268.82	66.77	266.35	66.16	246.62	61.83	239.23	61.21	226.89	60.59	221.96	59.97	
	5	4.1	274.48	63.99	271.96	63.40	251.82	59.25	244.26	58.66	231.67	58.07	226.64	57.47	
	7	6	282.97	55.65	280.37	55.13	259.60	51.52	251.82	51.01	238.84	50.49	233.64	49.98	
	9	7.9	288.63	55.09	285.98	54.58	264.80	51.01	256.85	50.50	243.61	49.99	238.32	49.48	
	11	9.8	288.63	54.53	285.98	54.03	264.80	50.49	256.85	49.99	243.61	49.48	238.32	48.98	
	13	11.8	288.63	54.25	285.98	53.75	264.80	50.24	256.85	49.73	243.61	49.23	238.32	48.73	
15	13.7	288.63	53.98	285.98	53.48	264.80	49.98	256.85	49.48	243.61	48.98	238.32	48.48		
19	14.2	291.28	53.70	285.98	53.20	264.80	49.72	256.85	49.22	243.61	48.73	238.32	48.23		
21	15	291.28	53.42	285.98	52.92	264.80	49.46	256.85	48.97	243.61	48.47	238.32	47.98		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT102S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
70%	-22.90	-23.00	90.48	56.02	89.65	55.50	83.01	51.87	80.52	51.35	76.37	50.83	74.71	50.31	
	-18.80	-19.00	97.82	57.34	96.92	56.81	89.74	53.09	87.05	52.56	82.56	52.03	80.77	51.50	
	-14.7	-15	110.04	59.71	109.03	59.16	100.96	55.29	97.93	54.74	92.88	54.19	90.86	53.63	
	-12.6	-13	122.27	60.24	121.15	59.68	112.17	55.78	108.81	55.22	103.20	54.66	100.96	54.11	
	-10.5	-11	132.05	60.77	130.84	60.21	121.15	56.27	117.51	55.71	111.46	55.14	109.03	54.58	
	-9.5	-10	139.39	61.83	138.11	61.26	127.88	57.25	124.04	56.68	117.65	56.10	115.09	55.53	
	-8.5	-9.1	146.72	63.41	145.38	62.83	134.61	58.72	130.57	58.13	123.84	57.54	121.15	56.95	
	-7	-7.6	171.18	65.00	169.61	64.40	157.04	60.18	152.33	59.58	144.48	58.98	141.34	58.38	
	-5	-5.6	183.41	67.64	181.72	67.01	168.26	62.63	163.21	62.00	154.80	61.38	151.44	60.75	
	-3	-3.7	195.63	71.34	193.84	70.68	179.48	66.06	174.10	65.39	165.12	64.73	161.53	64.07	
	0	-0.7	215.20	69.75	213.22	69.11	197.43	64.59	191.51	63.94	181.63	63.30	177.69	62.65	
	3	2.2	232.31	63.41	230.18	62.83	213.13	58.72	206.74	58.13	196.08	57.54	191.82	56.95	
	5	4.1	237.21	60.77	235.03	60.21	217.62	56.27	211.09	55.71	200.21	55.14	195.86	54.58	
	7	6	244.54	52.84	242.30	52.36	224.35	48.93	217.62	48.44	206.40	47.95	201.91	47.46	
	9	7.9	249.43	52.32	247.14	51.83	228.84	48.44	221.97	47.96	210.53	47.47	205.95	46.99	
	11	9.8	249.43	51.79	247.14	51.31	228.84	47.95	221.97	47.47	210.53	46.99	205.95	46.51	
	13	11.8	249.43	51.52	247.14	51.05	228.84	47.71	221.97	47.23	210.53	46.75	205.95	46.28	
	15	13.7	249.43	51.26	247.14	50.78	228.84	47.46	221.97	46.99	210.53	46.51	205.95	46.04	
19	14.2	251.72	50.99	247.14	50.52	228.84	47.22	221.97	46.75	210.53	46.27	205.95	45.80		
21	15	251.72	50.73	247.14	50.26	228.84	46.97	221.97	46.50	210.53	46.03	205.95	45.56		
60%	-22.90	-23.00	81.43	49.61	80.69	49.15	74.71	45.94	72.47	45.48	68.73	45.02	67.24	44.56	
	-18.80	-19.00	88.03	50.78	87.23	50.31	80.77	47.02	78.34	46.55	74.30	46.08	72.69	45.61	
	-14.7	-15	99.04	52.89	98.13	52.40	90.86	48.97	88.14	48.48	83.59	47.99	81.78	47.50	
	-12.6	-13	110.04	53.36	109.03	52.86	100.96	49.41	97.93	48.91	92.88	48.42	90.86	47.92	
	-10.5	-11	118.85	53.83	117.76	53.33	109.03	49.84	105.76	49.34	100.31	48.84	98.13	48.34	
	-9.5	-10	125.45	54.76	124.30	54.25	115.09	50.71	111.64	50.20	105.88	49.69	103.58	49.18	
	-8.5	-9.1	132.05	56.17	130.84	55.65	121.15	52.01	117.51	51.49	111.46	50.97	109.03	50.45	
	-7	-7.6	154.06	57.57	152.65	57.04	141.34	53.31	137.10	52.77	130.03	52.24	127.21	51.71	
	-5	-5.6	165.07	59.91	163.55	59.36	151.44	55.47	146.89	54.92	139.32	54.36	136.29	53.81	
	-3	-3.7	176.07	63.19	174.45	62.60	161.53	58.51	156.69	57.92	148.61	57.34	145.38	56.75	
	0	-0.7	193.68	61.78	191.90	61.21	177.69	57.21	172.35	56.63	163.47	56.06	159.92	55.49	
	3	2.2	209.08	56.17	207.16	55.65	191.82	52.01	186.06	51.49	176.47	50.97	172.64	50.45	
	5	4.1	213.48	53.83	211.53	53.33	195.86	49.84	189.98	49.34	180.19	48.84	176.27	48.34	
	7	6	220.09	46.81	218.07	46.37	201.91	43.34	195.86	42.90	185.76	42.47	181.72	42.04	
	9	7.9	224.49	46.34	222.43	45.91	205.95	42.90	199.77	42.48	189.48	42.05	185.36	41.62	
	11	9.8	224.49	45.87	222.43	45.44	205.95	42.47	199.77	42.05	189.48	41.62	185.36	41.20	
	13	11.8	224.49	45.63	222.43	45.21	205.95	42.25	199.77	41.83	189.48	41.41	185.36	40.99	
	15	13.7	224.49	45.40	222.43	44.98	205.95	42.04	199.77	41.62	189.48	41.20	185.36	40.78	
19	14.2	226.55	45.17	222.43	44.75	205.95	41.82	199.77	41.40	189.48	40.98	185.36	40.57		
21	15	226.55	44.93	222.43	44.52	205.95	41.60	199.77	41.19	189.48	40.77	185.36	40.36		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT102S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
50%	-22.90	-23.00	69.80	52.01	69.16	51.53	64.04	48.16	62.11	47.68	58.91	47.20	57.63	46.72	
	-18.80	-19.00	75.46	53.24	74.77	52.75	69.23	49.30	67.15	48.80	63.69	48.31	62.31	47.82	
	-14.7	-15	84.89	55.45	84.11	54.94	77.88	51.34	75.55	50.83	71.65	50.31	70.09	49.80	
	-12.6	-13	94.32	55.94	93.46	55.42	86.53	51.80	83.94	51.28	79.61	50.76	77.88	50.24	
	-10.5	-11	101.87	56.43	100.93	55.91	93.46	52.25	90.65	51.73	85.98	51.21	84.11	50.68	
	-9.5	-10	107.53	57.41	106.54	56.88	98.65	53.16	95.69	52.63	90.76	52.10	88.78	51.56	
	-8.5	-9.1	113.19	58.88	112.15	58.34	103.84	54.52	100.73	53.98	95.53	53.43	93.46	52.89	
	-7	-7.6	132.05	60.36	130.84	59.80	121.15	55.89	117.51	55.33	111.46	54.77	109.03	54.21	
	-5	-5.6	141.48	62.81	140.19	62.23	129.80	58.16	125.91	57.58	119.42	56.99	116.82	56.41	
	-3	-3.7	150.92	66.24	149.53	65.63	138.46	61.34	134.30	60.72	127.38	60.11	124.61	59.50	
	0	-0.7	166.01	64.77	164.49	64.17	152.30	59.97	147.73	59.37	140.12	58.77	137.07	58.17	
	3	2.2	179.21	58.88	177.57	58.34	164.42	54.52	159.48	53.98	151.26	53.43	147.97	52.89	
	5	4.1	182.99	56.43	181.31	55.91	167.88	52.25	162.84	51.73	154.45	51.21	151.09	50.68	
	7	6	188.65	49.07	186.92	48.62	173.07	45.44	167.88	44.98	159.22	44.53	155.76	44.07	
	9	7.9	192.42	48.58	190.65	48.13	176.53	44.98	171.24	44.53	162.41	44.08	158.88	43.63	
	11	9.8	192.42	48.09	190.65	47.64	176.53	44.53	171.24	44.08	162.41	43.64	158.88	43.19	
	13	11.8	192.42	47.84	190.65	47.40	176.53	44.30	171.24	43.86	162.41	43.41	158.88	42.97	
15	13.7	192.42	47.60	190.65	47.16	176.53	44.07	171.24	43.63	162.41	43.19	158.88	42.75		
19	14.2	194.18	47.35	190.65	46.91	176.53	43.84	171.24	43.41	162.41	42.97	158.88	42.53		
21	15	194.18	47.11	190.65	46.67	176.53	43.62	171.24	43.18	162.41	42.75	158.88	42.31		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT104S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
130%	-22.90	-23.00	138.41	78.62	137.14	77.89	126.98	72.80	123.17	72.07	116.83	71.34	114.29	70.61	
	-18.80	-19.00	149.64	80.47	148.26	79.73	137.28	74.51	133.16	73.77	126.30	73.02	123.55	72.28	
	-14.7	-15	168.34	83.81	166.80	83.04	154.44	77.60	149.81	76.83	142.08	76.05	139.00	75.28	
	-12.6	-13	187.04	84.55	185.33	83.77	171.60	78.29	166.45	77.51	157.87	76.72	154.44	75.94	
	-10.5	-11	202.01	85.30	200.15	84.51	185.33	78.98	179.77	78.19	170.50	77.40	166.80	76.61	
	-9.5	-10	213.23	86.78	211.27	85.98	195.62	80.35	189.76	79.55	179.97	78.74	176.06	77.94	
	-8.5	-9.1	224.45	89.00	222.39	88.18	205.92	82.41	199.74	81.59	189.45	80.76	185.33	79.94	
	-7	-7.6	261.86	91.23	259.46	90.38	240.24	84.47	233.03	83.63	221.02	82.78	216.22	81.94	
	-5	-5.6	280.57	94.94	277.99	94.06	257.40	87.91	249.68	87.03	236.81	86.15	231.66	85.27	
	-3	-3.7	299.27	100.13	296.52	99.20	274.56	92.71	266.32	91.79	252.60	90.86	247.10	89.93	
	0	-0.7	329.20	97.90	326.18	97.00	302.02	90.65	292.96	89.75	277.85	88.84	271.81	87.93	
	3	2.2	355.38	89.00	352.12	88.18	326.04	82.41	316.26	81.59	299.96	80.76	293.44	79.94	
	5	4.1	362.87	85.30	359.54	84.51	332.90	78.98	322.92	78.19	306.27	77.40	299.61	76.61	
	7	6	374.09	74.17	370.66	73.48	343.20	68.68	332.90	67.99	315.74	67.30	308.88	66.62	
	9	7.9	381.57	73.43	378.07	72.75	350.06	67.99	339.56	67.31	322.06	66.63	315.06	65.95	
	11	9.8	381.57	72.69	378.07	72.01	350.06	67.30	339.56	66.63	322.06	65.96	315.06	65.28	
	13	11.8	381.57	72.32	378.07	71.65	350.06	66.96	339.56	66.29	322.06	65.62	315.06	64.95	
	15	13.7	381.57	71.94	378.07	71.28	350.06	66.62	339.56	65.95	322.06	65.28	315.06	64.62	
19	14.2	385.07	71.57	378.07	70.91	350.06	66.27	339.56	65.61	322.06	64.95	315.06	64.28		
21	15	385.07	71.20	378.07	70.54	350.06	65.93	339.56	65.27	322.06	64.61	315.06	63.95		
120%	-22.90	-23.00	137.08	79.43	135.82	78.70	125.76	73.55	121.99	72.81	115.70	72.08	113.19	71.34	
	-18.80	-19.00	148.20	81.30	146.84	80.55	135.96	75.28	131.88	74.53	125.08	73.78	122.36	73.02	
	-14.7	-15	166.72	84.68	165.19	83.89	152.96	78.40	148.37	77.62	140.72	76.84	137.66	76.05	
	-12.6	-13	185.25	85.43	183.55	84.63	169.95	79.10	164.85	78.31	156.35	77.52	152.96	76.72	
	-10.5	-11	200.07	86.17	198.23	85.38	183.55	79.79	178.04	78.99	168.86	78.20	165.19	77.40	
	-9.5	-10	211.18	87.67	209.24	86.86	193.74	81.18	187.93	80.37	178.24	79.56	174.37	78.74	
	-8.5	-9.1	222.29	89.92	220.26	89.09	203.94	83.26	197.82	82.43	187.62	81.60	183.55	80.76	
	-7	-7.6	259.34	92.17	256.96	91.32	237.93	85.34	230.79	84.49	218.90	83.64	214.14	82.78	
	-5	-5.6	277.87	95.92	275.32	95.03	254.93	88.81	247.28	87.92	234.53	87.04	229.43	86.15	
	-3	-3.7	296.39	101.16	293.67	100.23	271.92	93.67	263.76	92.73	250.17	91.80	244.73	90.86	
	0	-0.7	326.03	98.91	323.04	98.00	299.11	91.59	290.14	90.67	275.18	89.76	269.20	88.84	
	3	2.2	351.97	89.92	348.74	89.09	322.91	83.26	313.22	82.43	297.07	81.60	290.61	80.76	
	5	4.1	359.38	86.17	356.08	85.38	329.70	79.79	319.81	78.99	303.33	78.20	296.73	77.40	
	7	6	370.49	74.93	367.09	74.24	339.90	69.38	329.70	68.69	312.71	68.00	305.91	67.30	
	9	7.9	377.90	74.19	374.43	73.50	346.70	68.69	336.30	68.00	318.96	67.32	312.03	66.63	
	11	9.8	377.90	73.44	374.43	72.76	346.70	68.00	336.30	67.32	318.96	66.64	312.03	65.96	
	13	11.8	377.90	73.06	374.43	72.38	346.70	67.65	336.30	66.97	318.96	66.30	312.03	65.62	
	15	13.7	377.90	72.69	374.43	72.01	346.70	67.30	336.30	66.63	318.96	65.96	312.03	65.28	
19	14.2	381.37	72.31	374.43	71.64	346.70	66.96	336.30	66.29	318.96	65.62	312.03	64.95		
21	15	381.37	71.94	374.43	71.27	346.70	66.61	336.30	65.94	318.96	65.28	312.03	64.61		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT104S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-22.90	-23.00	134.42	80.24	133.19	79.50	123.32	74.30	119.62	73.55	113.46	72.81	110.99	72.07	
	-18.80	-19.00	145.32	82.13	143.99	81.37	133.32	76.05	129.32	75.29	122.65	74.53	119.99	73.77	
	-14.7	-15	163.48	85.54	161.98	84.75	149.99	79.20	145.49	78.41	137.99	77.62	134.99	76.83	
	-12.6	-13	181.65	86.30	179.98	85.50	166.65	79.90	161.65	79.11	153.32	78.31	149.99	77.51	
	-10.5	-11	196.18	87.05	194.38	86.25	179.98	80.61	174.58	79.80	165.58	78.99	161.98	78.19	
	-9.5	-10	207.08	88.57	205.18	87.75	189.98	82.01	184.28	81.19	174.78	80.37	170.98	79.55	
	-8.5	-9.1	217.98	90.84	215.98	90.00	199.98	84.11	193.98	83.27	183.98	82.43	179.98	81.59	
	-7	-7.6	254.31	93.11	251.97	92.25	233.31	86.21	226.31	85.35	214.65	84.49	209.98	83.63	
	-5	-5.6	272.47	96.90	269.97	96.00	249.98	89.72	242.48	88.82	229.98	87.92	224.98	87.03	
	-3	-3.7	290.64	102.19	287.97	101.25	266.64	94.62	258.64	93.68	245.31	92.73	239.98	91.79	
	0	-0.7	319.70	99.92	316.77	99.00	293.30	92.52	284.50	91.60	269.84	90.67	263.97	89.75	
	3	2.2	345.13	90.84	341.97	90.00	316.64	84.11	307.14	83.27	291.30	82.43	284.97	81.59	
	5	4.1	352.40	87.05	349.17	86.25	323.30	80.61	313.60	79.80	297.44	78.99	290.97	78.19	
	7	6	363.30	75.70	359.96	75.00	333.30	70.09	323.30	69.39	306.64	68.69	299.97	67.99	
	9	7.9	370.56	74.94	367.16	74.25	339.97	69.39	329.77	68.70	312.77	68.00	305.97	67.31	
	11	9.8	370.56	74.19	367.16	73.50	339.97	68.69	329.77	68.00	312.77	67.32	305.97	66.63	
	13	11.8	370.56	73.81	367.16	73.12	339.97	68.34	329.77	67.66	312.77	66.97	305.97	66.29	
	15	13.7	370.56	73.43	367.16	72.75	339.97	67.99	329.77	67.31	312.77	66.63	305.97	65.95	
19	14.2	373.96	73.05	367.16	72.37	339.97	67.64	329.77	66.96	312.77	66.29	305.97	65.61		
21	15	373.96	72.67	367.16	72.00	339.97	67.29	329.77	66.62	312.77	65.94	305.97	65.27		
100%	-22.90	-23.00	133.09	81.05	131.87	80.30	122.10	75.05	118.44	74.30	112.33	73.55	109.89	72.80	
	-18.80	-19.00	143.88	82.96	142.56	82.20	132.00	76.82	128.04	76.05	121.44	75.28	118.80	74.51	
	-14.7	-15	161.87	86.40	160.38	85.60	148.50	80.00	144.05	79.20	136.62	78.40	133.65	77.60	
	-12.6	-13	179.85	87.17	178.20	86.36	165.00	80.71	160.05	79.90	151.80	79.10	148.50	78.29	
	-10.5	-11	194.24	87.93	192.46	87.12	178.20	81.42	172.85	80.61	163.94	79.79	160.38	78.98	
	-9.5	-10	205.03	89.46	203.15	88.63	188.10	82.84	182.46	82.01	173.05	81.18	169.29	80.35	
	-8.5	-9.1	215.82	91.76	213.84	90.91	198.00	84.96	192.06	84.11	182.16	83.26	178.20	82.41	
	-7	-7.6	251.79	94.05	249.48	93.18	231.00	87.08	224.07	86.21	212.52	85.34	207.90	84.47	
	-5	-5.6	269.78	97.87	267.30	96.97	247.50	90.62	240.08	89.72	227.70	88.81	222.75	87.91	
	-3	-3.7	287.76	103.23	285.12	102.27	264.00	95.58	256.08	94.62	242.88	93.67	237.60	92.71	
	0	-0.7	316.54	100.93	313.63	100.00	290.40	93.46	281.69	92.52	267.17	91.59	261.36	90.65	
	3	2.2	341.72	91.76	338.58	90.91	313.50	84.96	304.10	84.11	288.42	83.26	282.15	82.41	
	5	4.1	348.91	87.93	345.71	87.12	320.10	81.42	310.50	80.61	294.49	79.79	288.09	78.98	
	7	6	359.70	76.46	356.40	75.76	330.00	70.80	320.10	70.09	303.60	69.38	297.00	68.68	
	9	7.9	366.89	75.70	363.53	75.00	336.60	70.09	326.50	69.39	309.67	68.69	302.94	67.99	
	11	9.8	366.89	74.93	363.53	74.24	336.60	69.38	326.50	68.69	309.67	68.00	302.94	67.30	
	13	11.8	366.89	74.55	363.53	73.86	336.60	69.03	326.50	68.34	309.67	67.65	302.94	66.96	
	15	13.7	366.89	74.17	363.53	73.48	336.60	68.68	326.50	67.99	309.67	67.30	302.94	66.62	
19	14.2	370.26	73.79	363.53	73.10	336.60	68.32	326.50	67.64	309.67	66.96	302.94	66.27		
21	15	370.26	73.41	363.53	72.73	336.60	67.97	326.50	67.29	309.67	66.61	302.94	65.93		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



38VT104S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
90%	-22.90	-23.00	122.44	73.76	121.32	73.07	112.33	68.29	108.96	67.61	103.35	66.93	101.10	66.24	
	-18.80	-19.00	132.37	75.50	131.16	74.80	121.44	69.90	117.80	69.21	111.72	68.51	109.30	67.81	
	-14.7	-15	148.92	78.63	147.55	77.90	136.62	72.80	132.52	72.08	125.69	71.35	122.96	70.62	
	-12.6	-13	165.46	79.32	163.94	78.59	151.80	73.45	147.25	72.71	139.66	71.98	136.62	71.24	
	-10.5	-11	178.70	80.02	177.06	79.28	163.94	74.09	159.03	73.35	150.83	72.61	147.55	71.87	
	-9.5	-10	188.63	81.41	186.90	80.66	173.05	75.38	167.86	74.63	159.21	73.87	155.75	73.12	
	-8.5	-9.1	198.55	83.50	196.73	82.73	182.16	77.31	176.70	76.54	167.59	75.77	163.94	74.99	
	-7	-7.6	231.65	85.59	229.52	84.79	212.52	79.25	206.14	78.45	195.52	77.66	191.27	76.87	
	-5	-5.6	248.19	89.07	245.92	88.24	227.70	82.47	220.87	81.64	209.48	80.82	204.93	79.99	
	-3	-3.7	264.74	93.94	262.31	93.07	242.88	86.98	235.59	86.11	223.45	85.24	218.59	84.37	
	0	-0.7	291.21	91.85	288.54	91.00	267.17	85.04	259.15	84.19	245.79	83.34	240.45	82.49	
	3	2.2	314.38	83.50	311.49	82.73	288.42	77.31	279.77	76.54	265.35	75.77	259.58	74.99	
	5	4.1	321.00	80.02	318.05	79.28	294.49	74.09	285.66	73.35	270.93	72.61	265.04	71.87	
	7	6	330.92	69.58	327.89	68.94	303.60	64.43	294.49	63.78	279.31	63.14	273.24	62.50	
	9	7.9	337.54	68.89	334.45	68.25	309.67	63.78	300.38	63.15	284.90	62.51	278.70	61.87	
	11	9.8	337.54	68.19	334.45	67.56	309.67	63.14	300.38	62.51	284.90	61.88	278.70	61.25	
	13	11.8	337.54	67.84	334.45	67.21	309.67	62.82	300.38	62.19	284.90	61.56	278.70	60.93	
	15	13.7	337.54	67.49	334.45	66.87	309.67	62.50	300.38	61.87	284.90	61.25	278.70	60.62	
19	14.2	340.64	67.15	334.45	66.53	309.67	62.17	300.38	61.55	284.90	60.93	278.70	60.31		
21	15	340.64	66.80	334.45	66.18	309.67	61.85	300.38	61.23	284.90	60.61	278.70	60.00		
80%	-22.90	-23.00	107.80	59.74	106.81	59.19	98.90	55.32	95.93	54.76	90.99	54.21	89.01	53.66	
	-18.80	-19.00	116.54	61.15	115.47	60.59	106.92	56.62	103.71	56.06	98.37	55.49	96.23	54.92	
	-14.7	-15	131.11	63.69	129.91	63.10	120.29	58.97	116.68	58.38	110.66	57.79	108.26	57.20	
	-12.6	-13	145.68	64.25	144.34	63.66	133.65	59.49	129.64	58.90	122.96	58.30	120.29	57.71	
	-10.5	-11	157.33	64.82	155.89	64.22	144.34	60.01	140.01	59.41	132.79	58.81	129.91	58.21	
	-9.5	-10	166.07	65.94	164.55	65.33	152.36	61.06	147.79	60.45	140.17	59.84	137.12	59.23	
	-8.5	-9.1	174.81	67.63	173.21	67.01	160.38	62.62	155.57	62.00	147.55	61.37	144.34	60.75	
	-7	-7.6	203.95	69.32	202.08	68.68	187.11	64.19	181.50	63.55	172.14	62.91	168.40	62.26	
	-5	-5.6	218.52	72.14	216.51	71.47	200.48	66.80	194.46	66.13	184.44	65.46	180.43	64.79	
	-3	-3.7	233.09	76.09	230.95	75.38	213.84	70.45	207.42	69.75	196.73	69.04	192.46	68.34	
	0	-0.7	256.39	74.40	254.04	73.71	235.22	68.89	228.17	68.20	216.41	67.51	211.70	66.82	
	3	2.2	276.79	67.63	274.25	67.01	253.94	62.62	246.32	62.00	233.62	61.37	228.54	60.75	
	5	4.1	282.62	64.82	280.02	64.22	259.28	60.01	251.50	59.41	238.54	58.81	233.35	58.21	
	7	6	291.36	56.36	288.68	55.84	267.30	52.19	259.28	51.66	245.92	51.14	240.57	50.62	
	9	7.9	297.18	55.80	294.46	55.28	272.65	51.66	264.47	51.15	250.83	50.63	245.38	50.11	
	11	9.8	297.18	55.23	294.46	54.72	272.65	51.14	264.47	50.63	250.83	50.12	245.38	49.61	
	13	11.8	297.18	54.95	294.46	54.44	272.65	50.88	264.47	50.37	250.83	49.86	245.38	49.36	
	15	13.7	297.18	54.67	294.46	54.16	272.65	50.62	264.47	50.11	250.83	49.61	245.38	49.10	
19	14.2	299.91	54.39	294.46	53.89	272.65	50.36	264.47	49.86	250.83	49.35	245.38	48.85		
21	15	299.91	54.11	294.46	53.61	272.65	50.10	264.47	49.60	250.83	49.10	245.38	48.60		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)

38VT104S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
70%	-22.90	-23.00	93.16	56.74	92.31	56.21	85.47	52.53	82.91	52.01	78.63	51.48	76.92	50.96	
	-18.80	-19.00	100.72	58.07	99.79	57.54	92.40	53.77	89.63	53.23	85.01	52.70	83.16	52.16	
	-14.7	-15	113.31	60.48	112.27	59.92	103.95	56.00	100.83	55.44	95.63	54.88	93.56	54.32	
	-12.6	-13	125.90	61.02	124.74	60.45	115.50	56.50	112.04	55.93	106.26	55.37	103.95	54.80	
	-10.5	-11	135.97	61.55	134.72	60.98	124.74	56.99	121.00	56.42	114.76	55.85	112.27	55.28	
	-9.5	-10	143.52	62.62	142.20	62.04	131.67	57.99	127.72	57.41	121.14	56.83	118.50	56.25	
	-8.5	-9.1	151.07	64.23	149.69	63.64	138.60	59.47	134.44	58.88	127.51	58.28	124.74	57.69	
	-7	-7.6	176.25	65.84	174.64	65.23	161.70	60.96	156.85	60.35	148.76	59.74	145.53	59.13	
	-5	-5.6	188.84	68.51	187.11	67.88	173.25	63.44	168.05	62.80	159.39	62.17	155.93	61.53	
	-3	-3.7	201.43	72.26	199.58	71.59	184.80	66.91	179.26	66.24	170.02	65.57	166.32	64.90	
	0	-0.7	221.58	70.65	219.54	70.00	203.28	65.42	197.18	64.77	187.02	64.11	182.95	63.46	
	3	2.2	239.20	64.23	237.01	63.64	219.45	59.47	212.87	58.88	201.89	58.28	197.51	57.69	
	5	4.1	244.24	61.55	242.00	60.98	224.07	56.99	217.35	56.42	206.14	55.85	201.66	55.28	
	7	6	251.79	53.52	249.48	53.03	231.00	49.56	224.07	49.06	212.52	48.57	207.90	48.07	
	9	7.9	256.83	52.99	254.47	52.50	235.62	49.06	228.55	48.57	216.77	48.08	212.06	47.59	
	11	9.8	256.83	52.45	254.47	51.97	235.62	48.57	228.55	48.08	216.77	47.60	212.06	47.11	
	13	11.8	256.83	52.19	254.47	51.70	235.62	48.32	228.55	47.84	216.77	47.35	212.06	46.87	
	15	13.7	256.83	51.92	254.47	51.44	235.62	48.07	228.55	47.59	216.77	47.11	212.06	46.63	
19	14.2	259.18	51.65	254.47	51.17	235.62	47.83	228.55	47.35	216.77	46.87	212.06	46.39		
21	15	259.18	51.38	254.47	50.91	235.62	47.58	228.55	47.10	216.77	46.63	212.06	46.15		
60%	-22.90	-23.00	83.85	50.25	83.08	49.79	76.92	46.53	74.62	46.06	70.77	45.60	69.23	45.13	
	-18.80	-19.00	90.64	51.44	89.81	50.96	83.16	47.63	80.67	47.15	76.51	46.67	74.84	46.20	
	-14.7	-15	101.97	53.57	101.04	53.07	93.56	49.60	90.75	49.11	86.07	48.61	84.20	48.11	
	-12.6	-13	113.31	54.04	112.27	53.54	103.95	50.04	100.83	49.54	95.63	49.04	93.56	48.54	
	-10.5	-11	122.37	54.52	121.25	54.01	112.27	50.48	108.90	49.98	103.28	49.47	101.04	48.97	
	-9.5	-10	129.17	55.47	127.98	54.95	118.50	51.36	114.95	50.84	109.02	50.33	106.65	49.82	
	-8.5	-9.1	135.97	56.89	134.72	56.36	124.74	52.68	121.00	52.15	114.76	51.62	112.27	51.09	
	-7	-7.6	158.63	58.31	157.17	57.77	145.53	53.99	141.16	53.45	133.89	52.91	130.98	52.37	
	-5	-5.6	169.96	60.68	168.40	60.12	155.93	56.19	151.25	55.63	143.45	55.06	140.33	54.50	
	-3	-3.7	181.29	64.00	179.63	63.41	166.32	59.26	161.33	58.67	153.01	58.07	149.69	57.48	
	0	-0.7	199.42	62.58	197.59	62.00	182.95	57.94	177.46	57.36	168.32	56.78	164.66	56.20	
	3	2.2	215.28	56.89	213.31	56.36	197.51	52.68	191.58	52.15	181.70	51.62	177.75	51.09	
	5	4.1	219.81	54.52	217.80	54.01	201.66	50.48	195.61	49.98	185.53	49.47	181.50	48.97	
	7	6	226.61	47.41	224.53	46.97	207.90	43.90	201.66	43.46	191.27	43.02	187.11	42.58	
	9	7.9	231.14	46.93	229.02	46.50	212.06	43.46	205.70	43.02	195.09	42.59	190.85	42.15	
	11	9.8	231.14	46.46	229.02	46.03	212.06	43.02	205.70	42.59	195.09	42.16	190.85	41.73	
	13	11.8	231.14	46.22	229.02	45.79	212.06	42.80	205.70	42.37	195.09	41.94	190.85	41.51	
	15	13.7	231.14	45.99	229.02	45.56	212.06	42.58	205.70	42.15	195.09	41.73	190.85	41.30	
19	14.2	233.26	45.75	229.02	45.32	212.06	42.36	205.70	41.94	195.09	41.51	190.85	41.09		
21	15	233.26	45.51	229.02	45.09	212.06	42.14	205.70	41.72	195.09	41.30	190.85	40.88		

TC: total capacity, kW

PI: power input, kW (compressor+outdoor motor)



38VT104S73HQSS														Heating Capacity	
Capacity Factor (%)	Outdoor Temp		Indoor Temp. (°C DB)												
			16		18		20		21		22		24		
	(°C DB)	(°C WB)	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
			kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-22.90	-23.00	71.87	52.68	71.21	52.20	65.93	48.78	63.96	48.29	60.66	47.81	59.34	47.32	
	-18.80	-19.00	77.70	53.93	76.98	53.43	71.28	49.93	69.14	49.43	65.58	48.93	64.15	48.43	
	-14.7	-15	87.41	56.16	86.61	55.64	80.19	52.00	77.78	51.48	73.77	50.96	72.17	50.44	
	-12.6	-13	97.12	56.66	96.23	56.14	89.10	52.46	86.43	51.94	81.97	51.41	80.19	50.89	
	-10.5	-11	104.89	57.16	103.93	56.63	96.23	52.92	93.34	52.39	88.53	51.86	86.61	51.34	
	-9.5	-10	110.72	58.15	109.70	57.61	101.57	53.84	98.53	53.30	93.45	52.77	91.42	52.23	
	-8.5	-9.1	116.54	59.64	115.47	59.09	106.92	55.22	103.71	54.67	98.37	54.12	96.23	53.57	
	-7	-7.6	135.97	61.13	134.72	60.57	124.74	56.60	121.00	56.04	114.76	55.47	112.27	54.91	
	-5	-5.6	145.68	63.62	144.34	63.03	133.65	58.91	129.64	58.32	122.96	57.73	120.29	57.14	
	-3	-3.7	155.39	67.10	153.96	66.48	142.56	62.13	138.28	61.51	131.16	60.88	128.30	60.26	
	0	-0.7	170.93	65.61	169.36	65.00	156.82	60.75	152.11	60.14	144.27	59.53	141.13	58.92	
	3	2.2	184.53	59.64	182.83	59.09	169.29	55.22	164.21	54.67	155.75	54.12	152.36	53.57	
	5	4.1	188.41	57.16	186.68	56.63	172.85	52.92	167.67	52.39	159.03	51.86	155.57	51.34	
	7	6	194.24	49.70	192.46	49.24	178.20	46.02	172.85	45.56	163.94	45.10	160.38	44.64	
	9	7.9	198.12	49.20	196.31	48.75	181.76	45.56	176.31	45.10	167.22	44.65	163.59	44.19	
	11	9.8	198.12	48.71	196.31	48.26	181.76	45.10	176.31	44.65	167.22	44.20	163.59	43.75	
	13	11.8	198.12	48.46	196.31	48.01	181.76	44.87	176.31	44.42	167.22	43.97	163.59	43.52	
	15	13.7	198.12	48.21	196.31	47.76	181.76	44.64	176.31	44.19	167.22	43.75	163.59	43.30	
19	14.2	199.94	47.96	196.31	47.52	181.76	44.41	176.31	43.97	167.22	43.52	163.59	43.08		
21	15	199.94	47.71	196.31	47.27	181.76	44.18	176.31	43.74	167.22	43.30	163.59	42.85		

TC: total capacity, kW
PI: power input, kW (compressor+outdoor motor)



Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.