

2019 | **MULTI V™ 5 PRO**

2019 | LG HVAC SOLUTION

# **MULTI V™ 5 PRO**

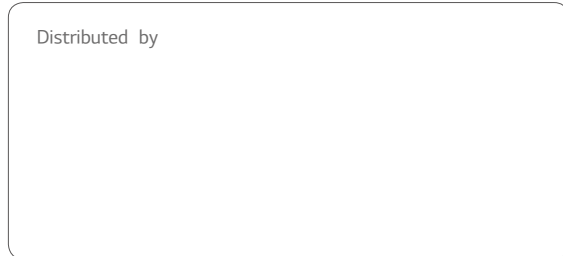


**LG Electronics**

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<http://partner.lge.com>

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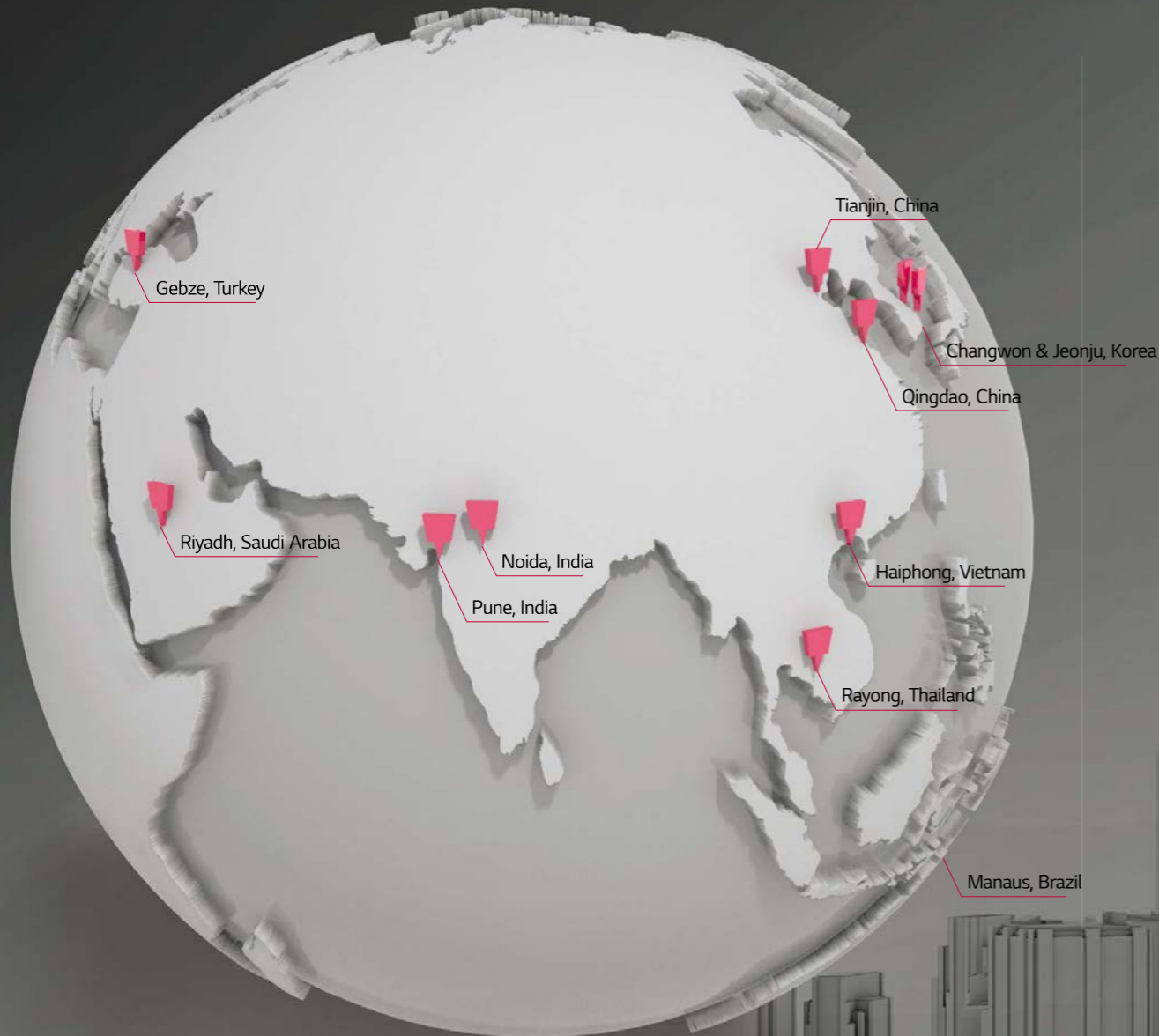
 **LG** | Business Solutions





# LG AIR SOLUTION

## AS A TOTAL HVAC & ENERGY SOLUTION PROVIDER



\* LG Air Solution production sites

The LG Electronics Air Solution Business Unit is a provider of total HVAC and energy solution. The company offers a broad portfolio of air conditioner products that are compatible with any building anywhere, including compact residences, towering skyscrapers, massive factories and giant concert halls. As a true total HVAC and energy solution provider, LG also supplies even the largest buildings and industrial facilities with central air conditioning systems such as chillers and efficient control solutions.

The history of the business unit goes back to 1968, when LG (then called GoldStar) rolled out Korea's first residential air conditioner. As the company first began making chillers for large commercial buildings in 1970, the commercial air conditioning business has grown

exponentially, especially within the last 20 years. In 2008, LG sold its 100 millionth air conditioning unit, becoming the first company in the industry to reach that significant milestone. The success of LG air conditioners has allowed the company to become one of the major players in the highly competitive HVAC industry. By enhancing the industry's B2B infrastructure and finding further solutions for the HVAC sector, LG has risen to become a total HVAC solutions specialist. The company has steadily increased its sales and market share by introducing energy efficient and reliable HVAC solutions and actively pursuing new opportunities wherever they arise. This sustained, excellent performance is built on a solid foundation of global R&D and advanced manufacturing capabilities.

# ENGINEERING CAPABILITY : HVAC TOOL & SUPPORT

From planning to service & maintenance and then to de-construction, an architectural project goes along many stages from the beginning to the end of its lifecycle. Along those stages, various engineering tools are applied to solve the diverse issues happening in each stage, with the most optimal solution possible. Due to the usage of such tools, buildings are effectively designed, built, supervised, and maintained throughout the lifecycle.

Dedicated to provide the best HVAC engineering support, LG Electronics Air-Solution Business Unit offers several engineering tools and solutions focused on HVAC, during the overall lifecycle of a building, related to the three categories: I. Draft Energy Estimation & Energy Modeling, II. Model Selection & Design, and III. Installation Environment Simulation. Among them, the LATS\* Program series has been developed to offer the best and the most optimized tool for LG HVAC systems, providing our customers a faster, easier, and a more accurate way in everyday duties of Model-selection, Draft Energy Estimation & Designing, and many more.

\* LATS : LG Air-conditioner Technical Solution



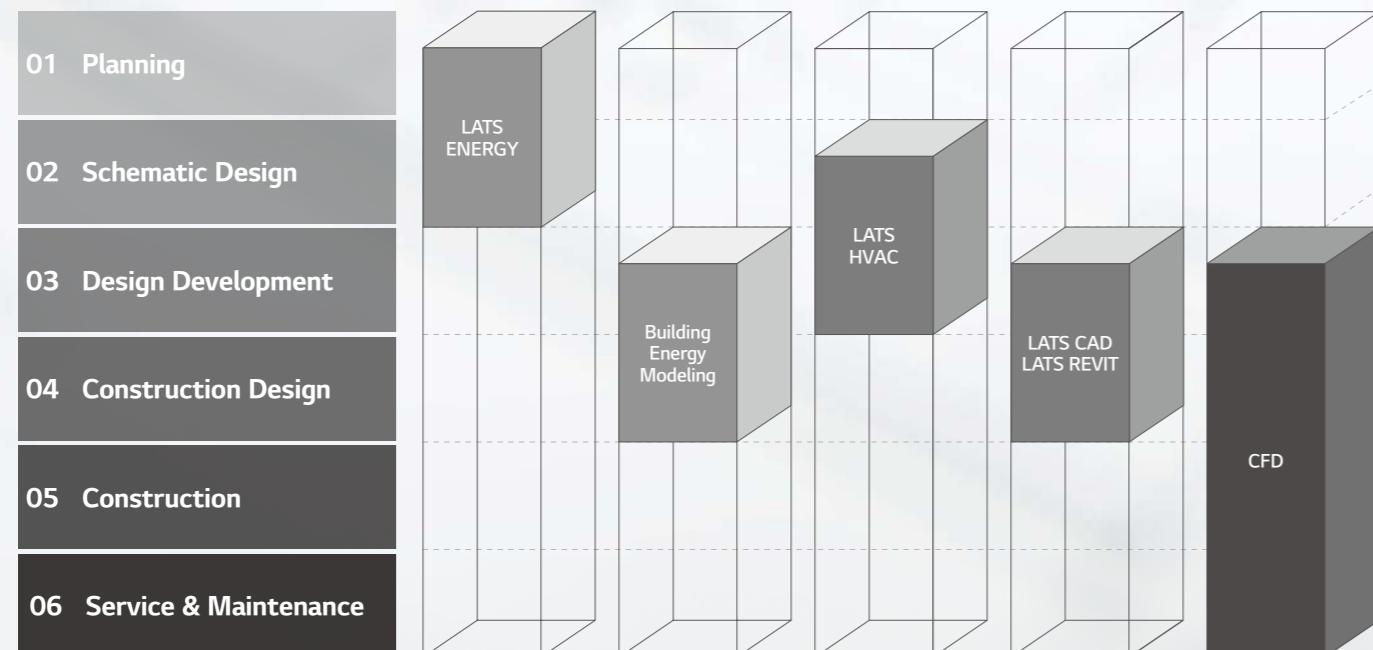
I  
Energy Estimation  
& Energy Modeling



II  
Model Selection  
& Design



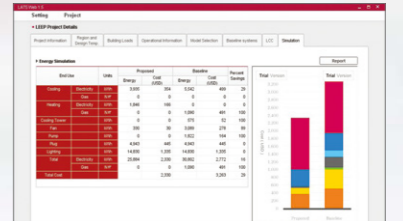
III  
Installation  
Environment  
Simulation



## 01 Draft Energy Estimation

### LATS Energy

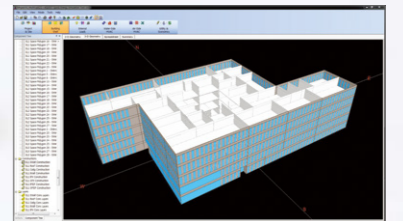
LATS Energy program is a draft energy estimation program, self-developed by LG. This program helps estimate the draft energy usage and analyzes the life cycle cost of LG VRF models during the early stage of a project.



## 02 Building Energy Modeling

### eQuest, EnergyPro, Trace700 and More

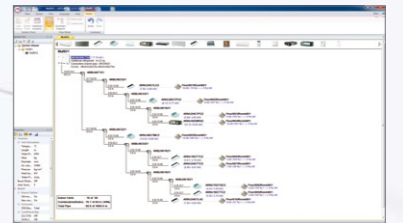
These are certified commercial programs which assess the HVAC system efficiency and building's annual energy saving for building standard or certification like LEED. LG HQ supports these programs for the project stages of Design Development and Construction Design wherein the overall designing is finished.



## 03 Model Selection

### LATS HVAC

LATS HVAC is an integrated model selection program of LG HVAC products, enabling an accurate and quick selection on the best model suitable to each sites. In addition to model selection, faster estimation on refrigerant piping diameter and additional refrigerant is possible, along with auto printing of reports.



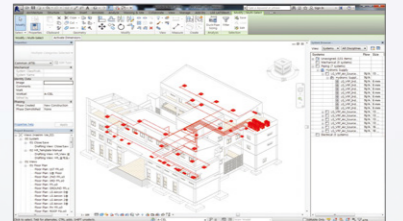
## 04 Design

### LATS CAD

LATS CAD enables faster and a more accurate design of LG HVAC products. Moreover, it offers not only designing, but also quotation and installation review in order to minimize problems during installation processes.

### LATS Revit

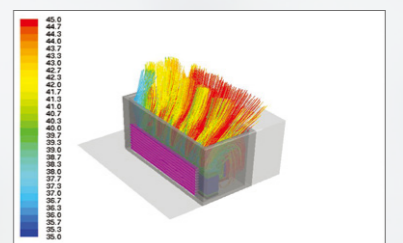
LATS REVIT is developed to make 3D designing of LG HVAC products easier than the previous program. It enables engineers to check 3D images from designing stage and prevents possible issues of the installation stage.



## 05 Installation Environment Simulation

### CFD Analysis

CFD Analysis is applied in areas of estimating: indoor airflow and temperature distribution while operating VRF products, outdoor airflow distribution, and noise level. By running a simulation before construction, engineers estimate possible issues and find optimal solutions of malfunction that could occur after construction.





# LG CONTROL SOLUTION

MULTI V 5 PRO offers diverse range of effective control solutions that satisfy specific needs of each building and its user scene. These controlling systems are equipped with user friendly interface, flexible interlocking environment, energy management and smart individual controller for optimized controlling conditions and smart building management.

## HOTEL

Hotel Room Solution

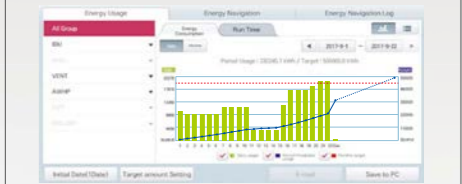


## OFFICE

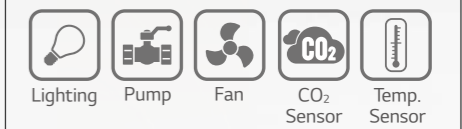
Central Control Solution



· Energy Management



· External Device



## SHOPPING MALL

Power Distribution Solution



## RESIDENTIAL

Smart Individual Control Solution



## SMALL BUILDING

Small Central Control Solution



Integration Solution



reddot award  
communication design



# MULTI V 5 PRO

LINE UP ..... 10  
FEATURE ..... 12



SPECIFICATION ..... 28











OUTDOOR UNIT  
**LINE-UP**



HP	8	10	12	14	16	18	20	22
Feature	 UXA				 UXB			

24	26	28	30	32	34	36	38	40	
 UXB		 UXA + UXB							

HP	42	44	46	48	50	52	54	56
Feature	 UXB + UXB				 UXA + UXB + UXB			

58	60	62	64	66	68	70	72	...
 UXA + UXB + UXB				 UXB + UXB + UXB				

HP	...	74	76	78	80	82	84	86
Feature	 UXB + UXB + UXB			 UXA + UXB + UXB + UXB				

88	90	92	94	96	98	100	102	104
 UXA + UXB + UXB + UXB			 UXB + UXB + UXB + UXB					

Expanded Model Line-up\*

\* Compare with MULTI V IV PRO



# COMFORT

The cooling load is mainly based on the amount of both sensible heat load and latent heat load. Most importantly, the cooling load is keen to, and thus, greatly affected by external humidity, rather than the outdoor temperature. For such reason, Dual Sensing Control of MULTI V 5 PRO senses both temperature and humidity and applies sensed data for load control in order to obtain in-depth understanding of sensible heat load and latent heat load. This helps preventing excessive cooling load supply and eventually offers the most pleasant and comfortable cooling environment the users want with reduction in energy consumption.



**MULTI V<sup>TM</sup> 5 PRO**  
: Dual Sensing



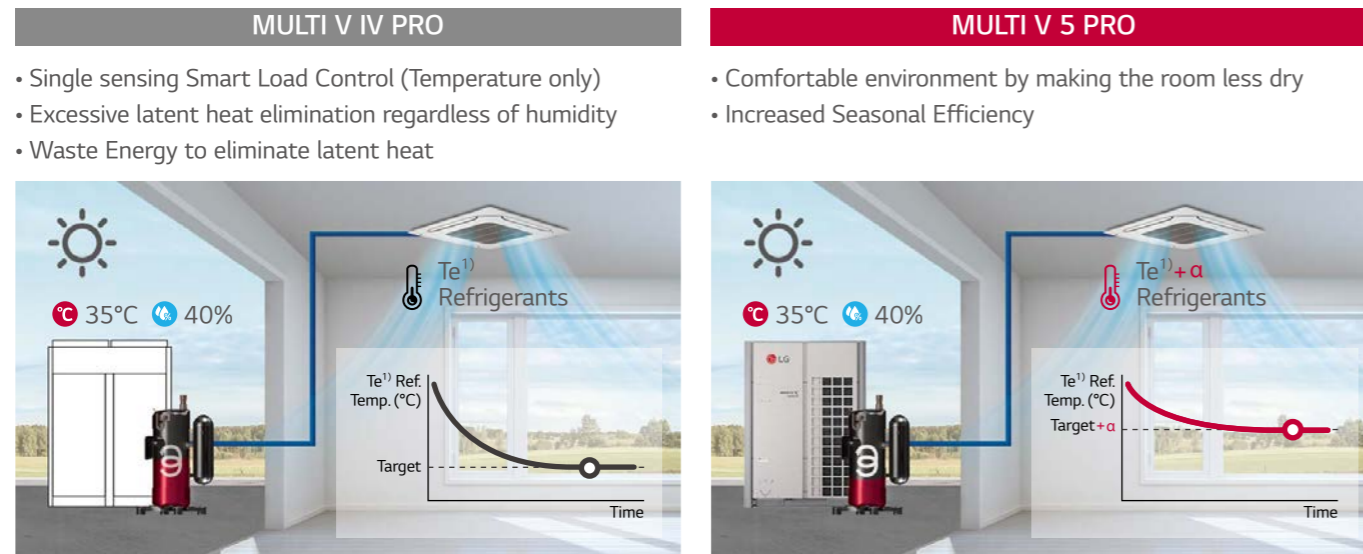


# OUTDOOR UNIT KEY FEATURES

## COMFORT

### Dual Sensing Control Dry Summer

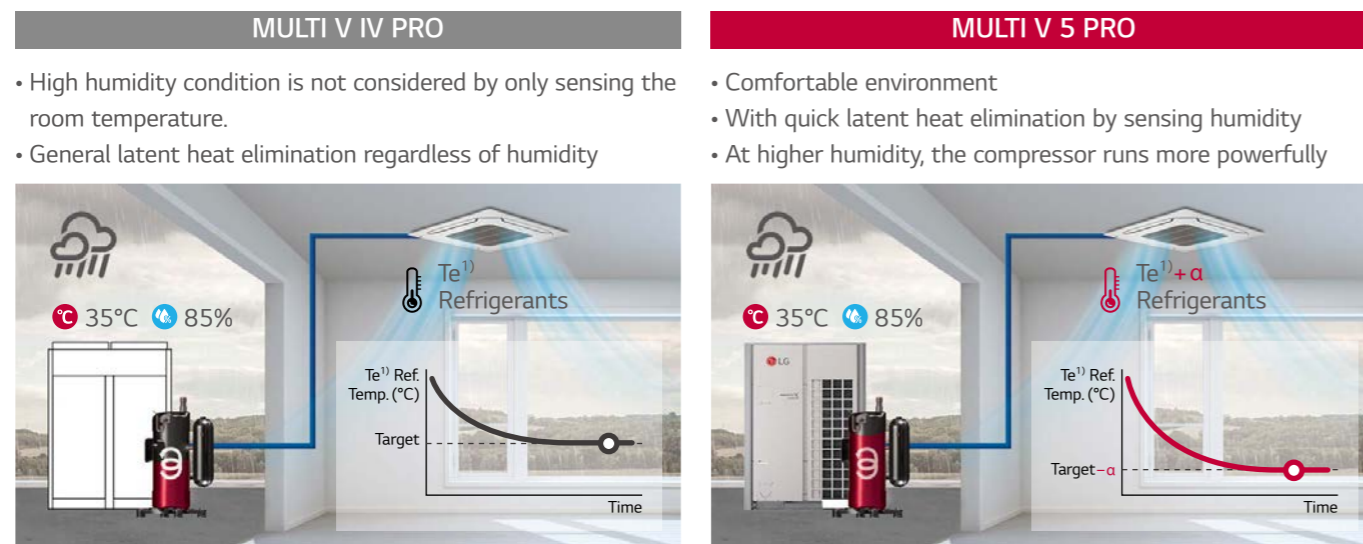
Dual Sensing SLC is a function that changes evaporation temperature according to temperature & humidity.



\* 1) Te : Evaporation Temperature  
\* Dual Sensing Control requires Standard III Wired Remote Controller (option).

### Dual Sensing Control Wet Summer

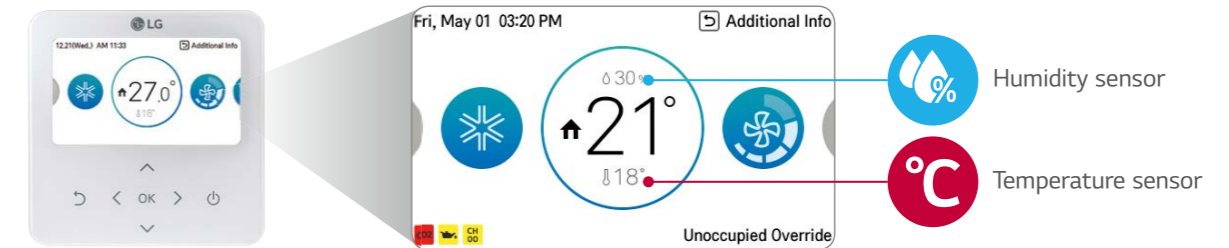
In wet summer season, the system senses the high humidity level and increases operating ratio to decrease humidity level rapidly for making room condition in comfort zone.



\* Dual Sensing Control requires Standard III Wired Remote Controller (option).

### Dual Sensing Control with Temperature & Humidity Sensor

MULTI V 5 PRO can provide better comfort environment and save energy by referring indoor humidity level. MULTI V 5 PRO can be operated by dual sensors for comfort and effective operation. (Temperature & Humidity)

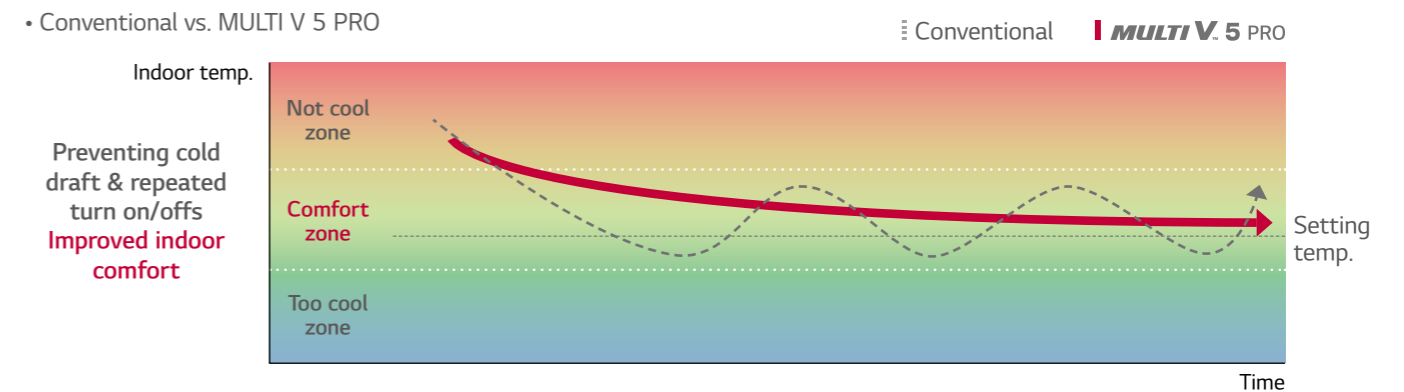


### Comfort Cooling

Without stopping in between operations, this function allows MULTI V 5 PRO to maintain operation at mild cooling mode around the set temperature by sensing both temperature and humidity with Dual Sensing Control. By preventing both cold draft and repeated turn on/off's previously required to match the set temperature, users can experience more comfortable indoor environment.

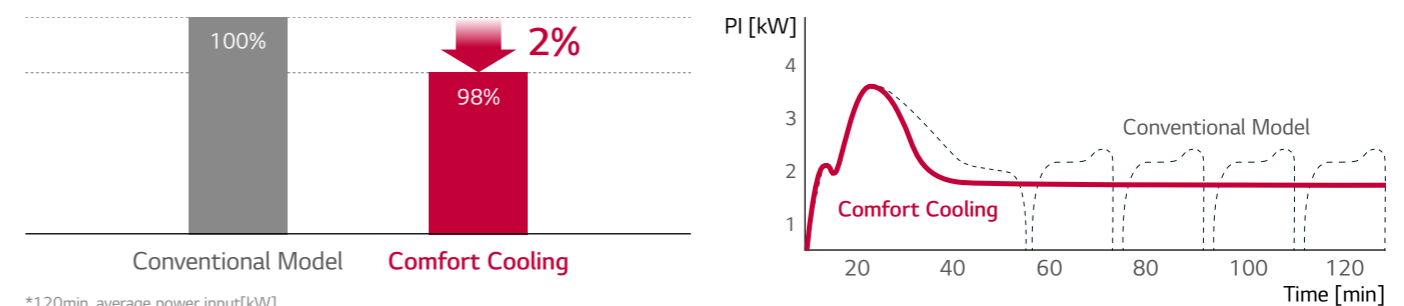


### Cooling operation comparison



### Energy Saving

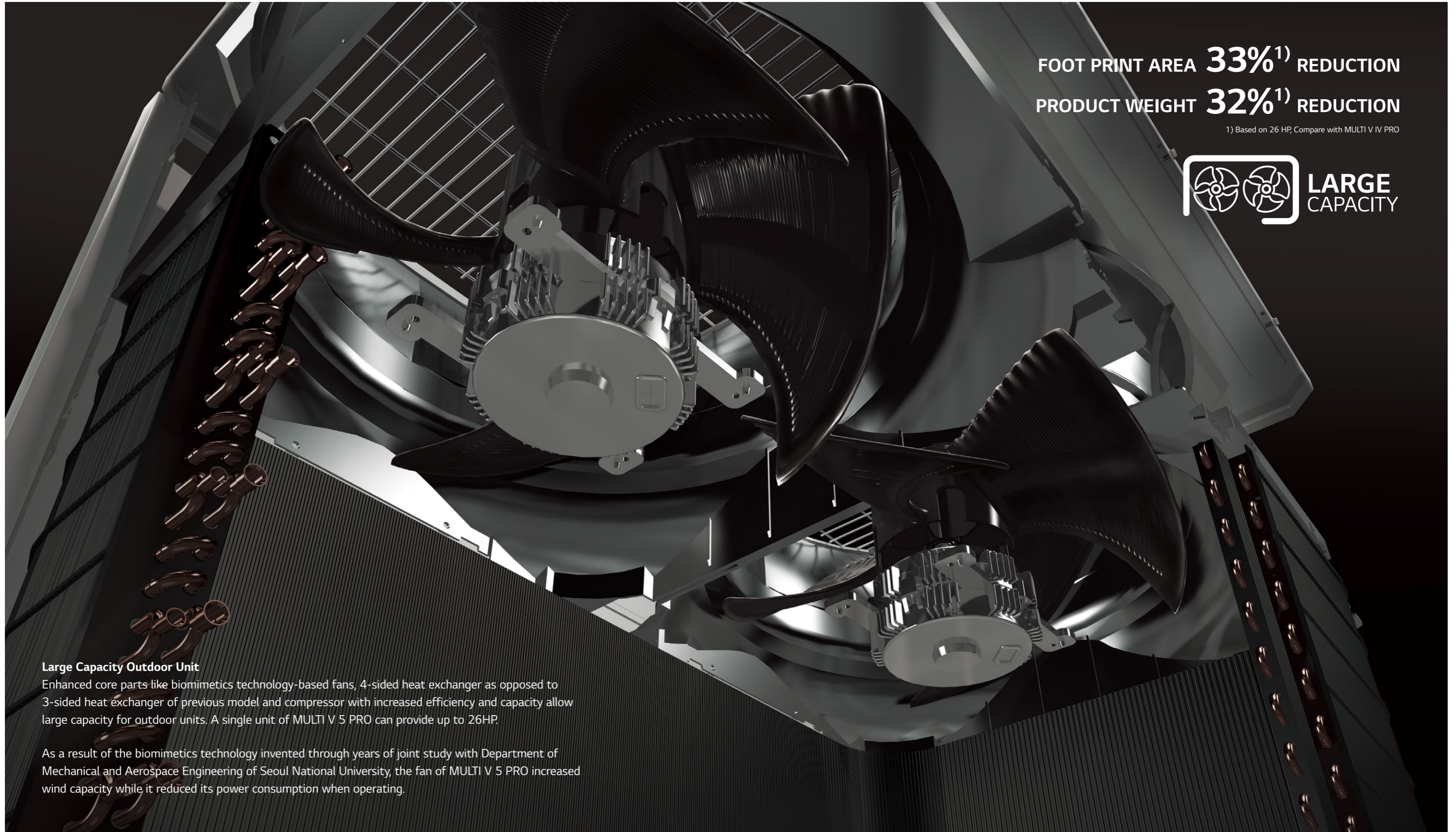
With comfort cooling feature, target superheat of indoor unit is increased while refrigerant flow rate is decreased. Moreover, thermo-on time has been increased from Conventional 47 minutes to 120 minutes or longer. Since there is no repeating of thermo on/off, average electric power is saved up to 2%.



\*120min. average power input[kW]



# FLEXIBILITY



FOOT PRINT AREA **33%<sup>1)</sup>** REDUCTION  
PRODUCT WEIGHT **32%<sup>1)</sup>** REDUCTION

1) Based on 26 HP, Compare with MULTI V IV PRO



### Large Capacity Outdoor Unit

Enhanced core parts like biomimetics technology-based fans, 4-sided heat exchanger as opposed to 3-sided heat exchanger of previous model and compressor with increased efficiency and capacity allow large capacity for outdoor units. A single unit of MULTI V 5 PRO can provide up to 26HP.

As a result of the biomimetics technology invented through years of joint study with Department of Mechanical and Aerospace Engineering of Seoul National University, the fan of MULTI V 5 PRO increased wind capacity while it reduced its power consumption when operating.



# OUTDOOR UNIT KEY FEATURES

## FLEXIBILITY

### Large Capacity Outdoor Unit

Without cooling operation stopping, this function allows MULTI V 5 PRO to maintain operation at mild cooling mode.

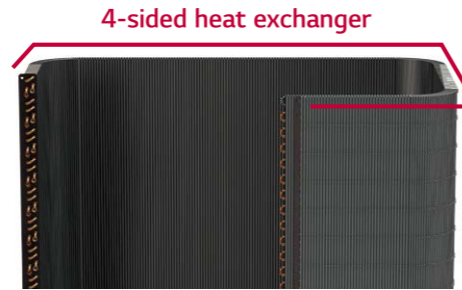
#### Biomimetic Fan

The moire pattern from external texture of clam shells has been applied on fans to create the range difference which results in reduction of noise level. At the same time, unlike the fans installed in previous products that generate separation of flow due to absence of tubercles, the bumpy back design inspired by the bumps on the humpback whale's flipper is applied as the tubercles on the back side of the fans, increasing wind power by reducing flacking.



#### 4 - sided Heat Exchanger

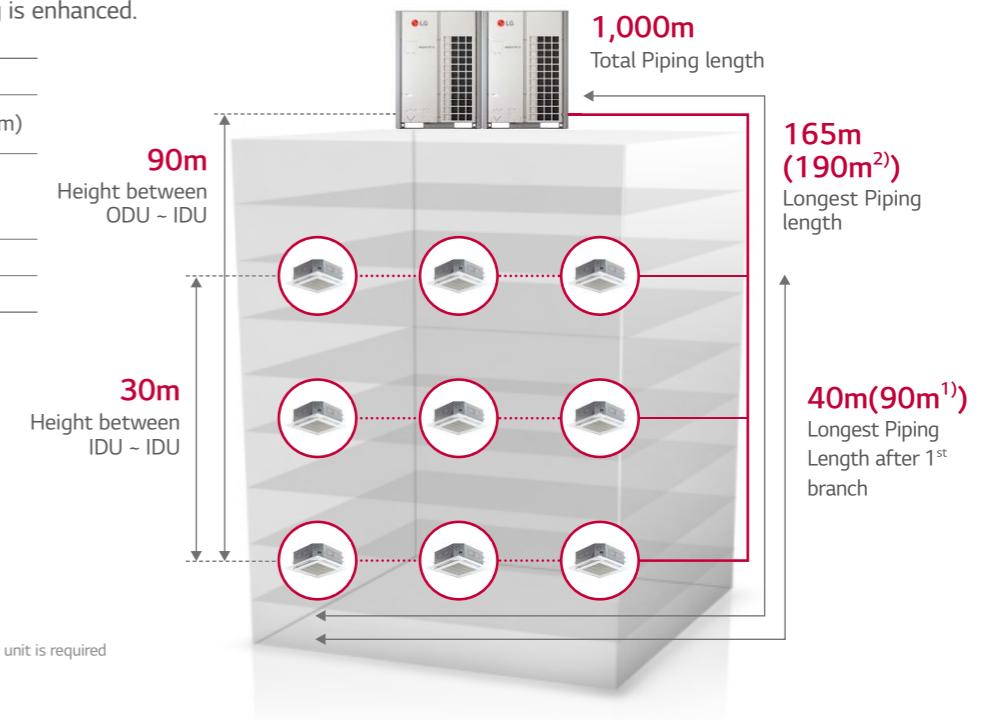
LG's exclusive Ocean Black Fin is applied on the heat exchanger of MULTI V 5 PRO in order to perform even in corrosive environments. The strong protection from various corrosive external environments such as seaside with high salt contamination and industrial cities with severe air pollution caused by fumes from factories keeps MULTI V 5 PRO operating without breakdown. This improvement in durability prolongs the product's lifespan and lowers both the operational and maintenance costs.



### Piping Capabilities

Design flexibility for high rise building is enhanced.

Total piping length	1,000m
Actual longest piping length (Equivalent)	165m (190m)
Longest piping length after 1 <sup>st</sup> branch (Conditional application)	40 (90m)
Height between ODU-IDU	90m
Height between IDU-IDU	30m



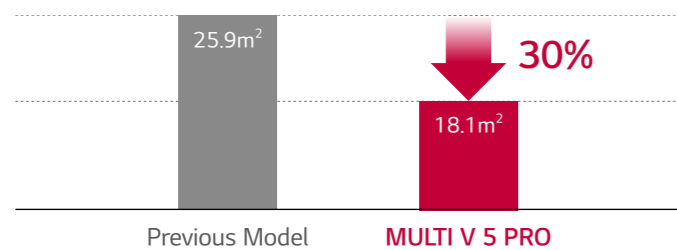
\* ODU : Outdoor unit, IDU : Indoor unit  
 1) Liquid piping size up and dedicated setting on outdoor unit is required  
 2) Equivalent

### Flexible Installation Space with Large Capacity Outdoor Units

Large capacity outdoor units of MULTI V 5 PRO minimizes installation space that spares valuable floor space and significantly decreases total installed weights. This allows users the flexible design potential and better use of the saved space.

#### Installation space area comparison

- Previous Model vs. MULTI V 5 PRO



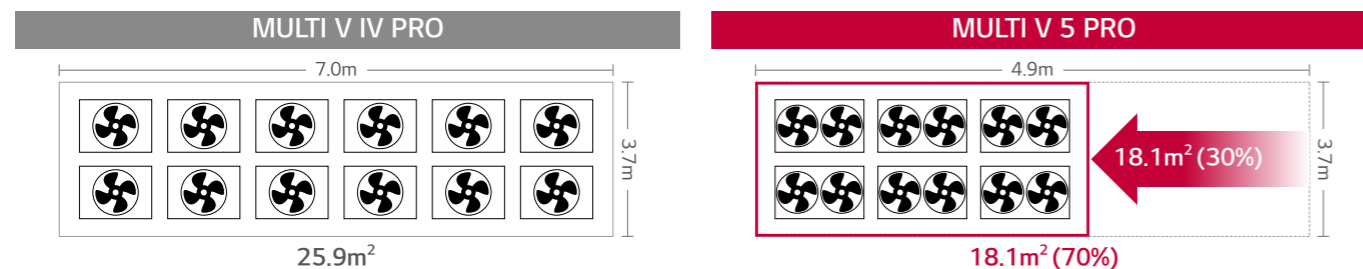
\* 156HP(26HP x 6sets) installation case

- Flexible design potential
- Better use of the saved space
- Foot print area **30% reduction**
- Product weight **30% reduction**

\* Comparison basis: 26HP (MULTI V 5 PRO vs. MULTI V IV PRO)

#### Comparison on installation space

- Previous Model vs. MULTI V 5 PRO

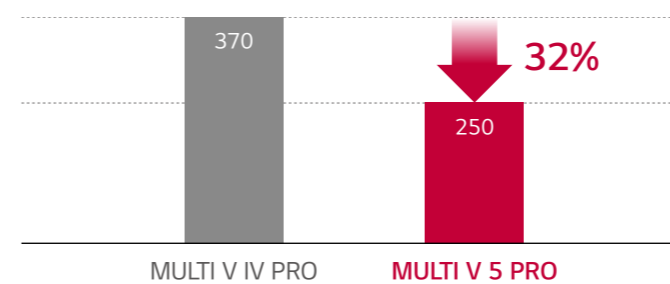


\* 156HP(26HP x 6sets) installation case

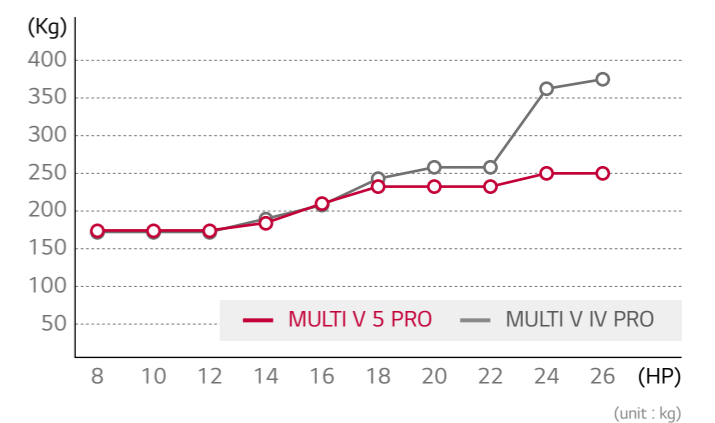
### Light Weight

Large capacity outdoor units of MULTI V 5 PRO significantly decreases total installed weights.

- The weight is 14 % reduced than MULTI V IV PRO. (based on 8~26HP average)
- Easy transportation and installation



\* Based on 26 HP



	8	10	12	14	16	18	20	22	24*	26*
MULTI V 5 PRO	175	175	175	185	205	230	230	230	250	250
MULTI V IV PRO	175	175	175	190	205	245	255	255	360	370

\* MULTI V 5 PRO is single unit, MULTI V IV PRO is combined unit (2unit)



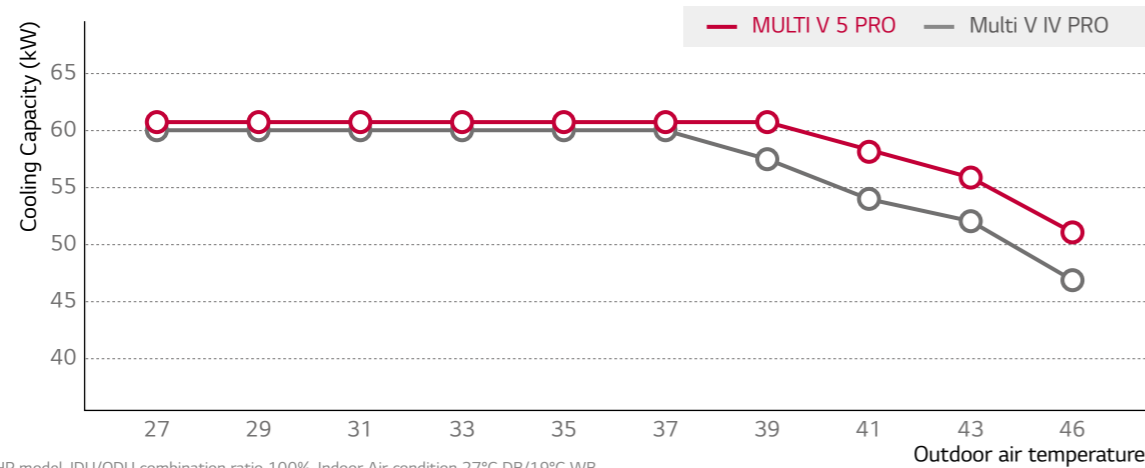
# PERFORMANCE & EFFICIENCY

## Powerful Cooling Performance in High Ambient

MULTI V 5 PRO can perform stable cooling operation even when the outdoor air temperature goes up to maximum of 48°C. The supplying cooling capacity is also increased from the previous model, specially when the ambient temperature is as high as 46°C. This powerful cooling capability enables reliable operation even under extremely high temperature conditions.

### Increasing cooling capacity

• Previous Model vs. MULTI V 5 PRO



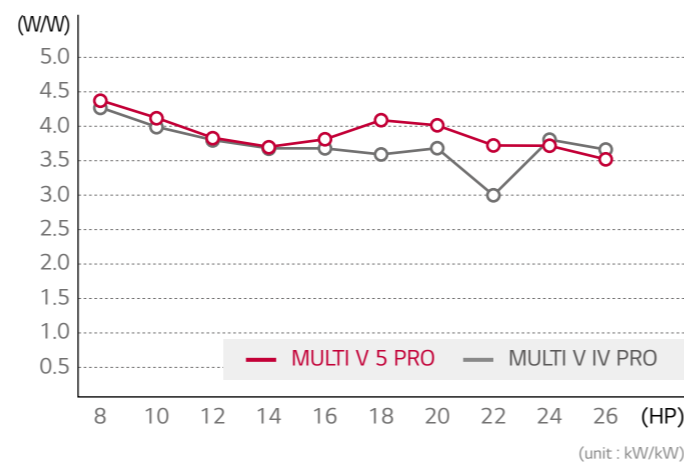
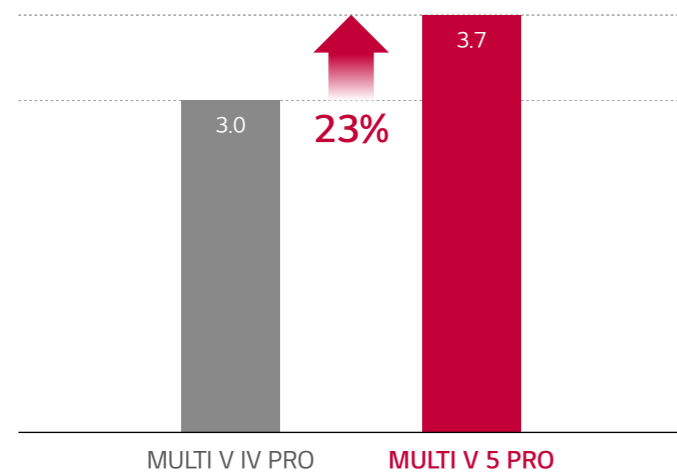
\* Based on 22HP model, IDU/ODU combination ratio 100%, Indoor Air condition 27°C DB/19°C WB

## Cooling Efficiency

MULTI V 5 PRO cooling efficiency improved than MULTI V IV PRO specially in 18~22HP model ranges.

### EER (Cooling)

• Cooling efficiency is improved 5% than MULTI V IV PRO. (based on 8~26HP average)



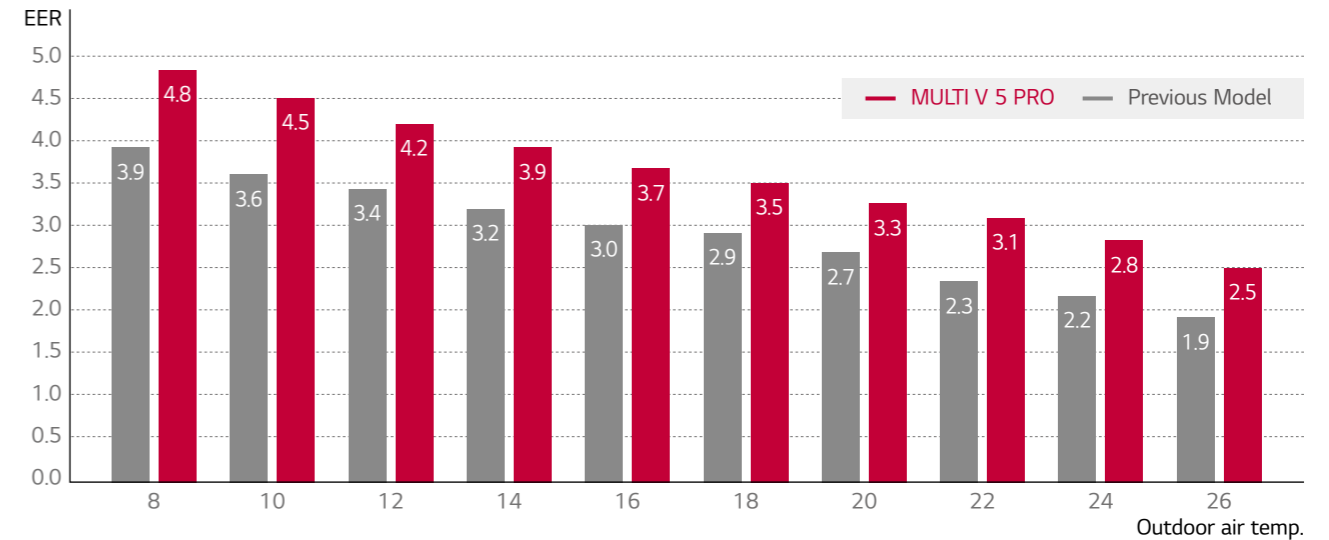
	8	10	12	14	16	18	20	22	24*	26*
MULTI V 5 PRO	4.4	4.1	3.8	3.7	3.8	4.1	4.0	3.7	3.7	3.5
MULTI V IV PRO	4.3	4.0	3.8	3.7	3.7	3.6	3.7	3.0	3.8	3.7

\* MULTI V 5 PRO is single unit, MULTI V IV PRO is combined unit (2unit)

\* Based on 22HP  
 ※ Test Condition  
 - Cooling : Indoor 27°C(80.6°F) DB / 19°C(66.2°F) WB, Outdoor 35°C(95°F) DB / 24°C(75.2°F) WB  
 - Heating : Indoor 20°C(68°F) DB / 15°C(59°F) WB, Outdoor 7°C(44.6°F) DB / 6°C(42.8°F) WB  
 - Piping Length : Interconnected Pipe Length = 7.5m  
 - Difference of Elevation (ODU - IDU) is Zero.

## Performance & Efficiency

During the morning and night time, outdoor temp. is relatively low and partial load condition is occurred but in the day time, peak cooling load is occurred. MULTI V 5 PRO's cooling efficiency has been improved in every outdoor air temperature condition which is more actual operating condition than previous model (In case of 22HP model, average 24% increased)



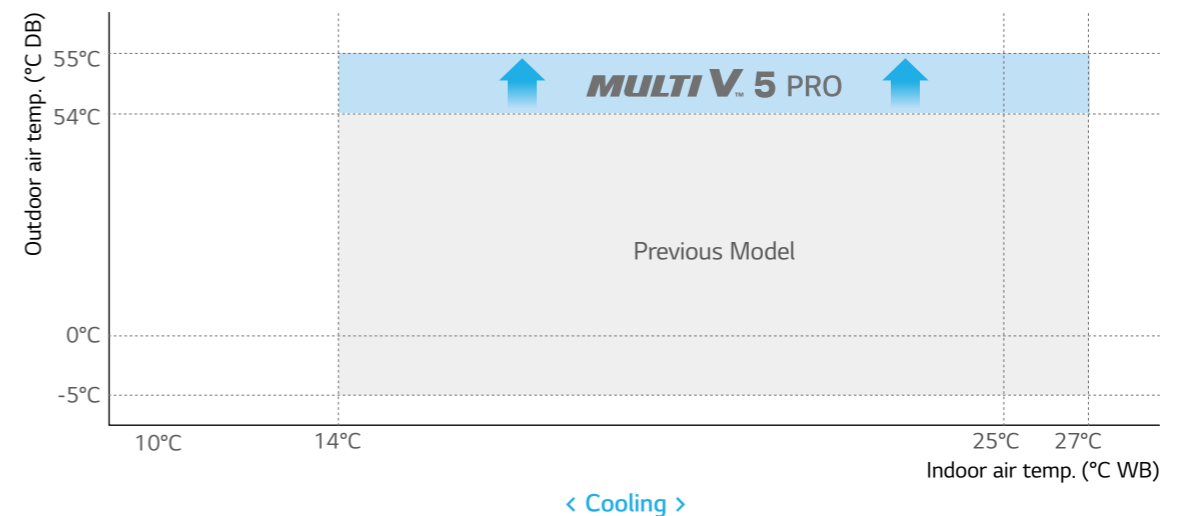
※ Based on 22HP model, IDU/ODU combination ratio 100%, indoor Air condition 27°C DB/19°C WB

## Reliable Performance in Extreme Environment

With enhanced inverter compressor and control technology coming from improved supercooling technology installation, MULTI V PRO extended range of cooling operations. MULTI V PRO's cycle technology with enhanced durability enables optimal cooling performance at high temperature that increases up to 48°C.

### Wider operational range for each performance

With enhanced inverter compressor and control technology coming from improved inverter





OUTDOOR UNIT KEY FEATURES

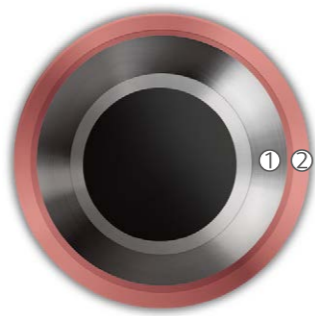
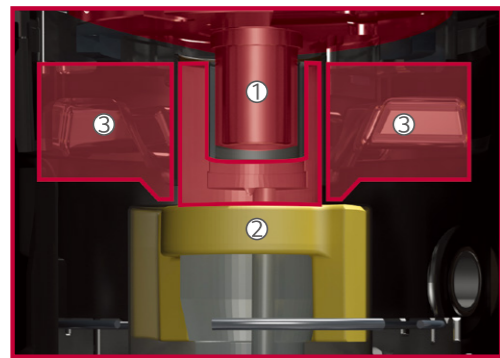
# RELIABILITY

## Ultimate Inverter Compressor

Motivated by the lubricative material of PEEK\* bearing used for aero engines, the newly invented scroll system with refined shape increases durability and reliability of compressor.

### Enhanced Bearing with PEEK\* Material

- Improved Efficiency Up to 5% / 10% (Cooling / Heating)
- Noise Level 3dB reduction
- Enhanced low-load operation (min. 10Hz @ 6.8HP Comp)
- Min. 1.1HP (about 35%p↓ vs. MULTI V IV PRO)

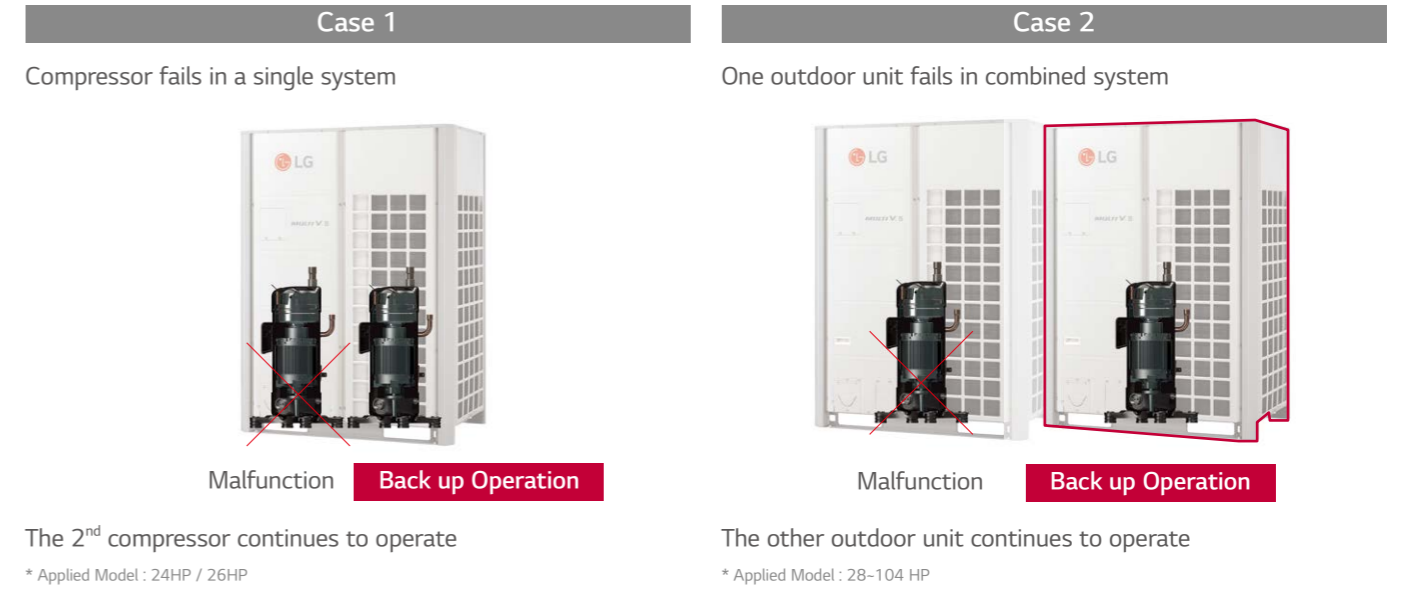


- ① Material : PEEK (Polyetheretherketone)
- ①+② Structure : New Outer Bearing
- ③ Supporter : High speed operation with reduction of bearing load and vibration

\* PEEK is a semicrystalline thermoplastic with excellent mechanical and chemical resistance properties that are retained to high temperatures.

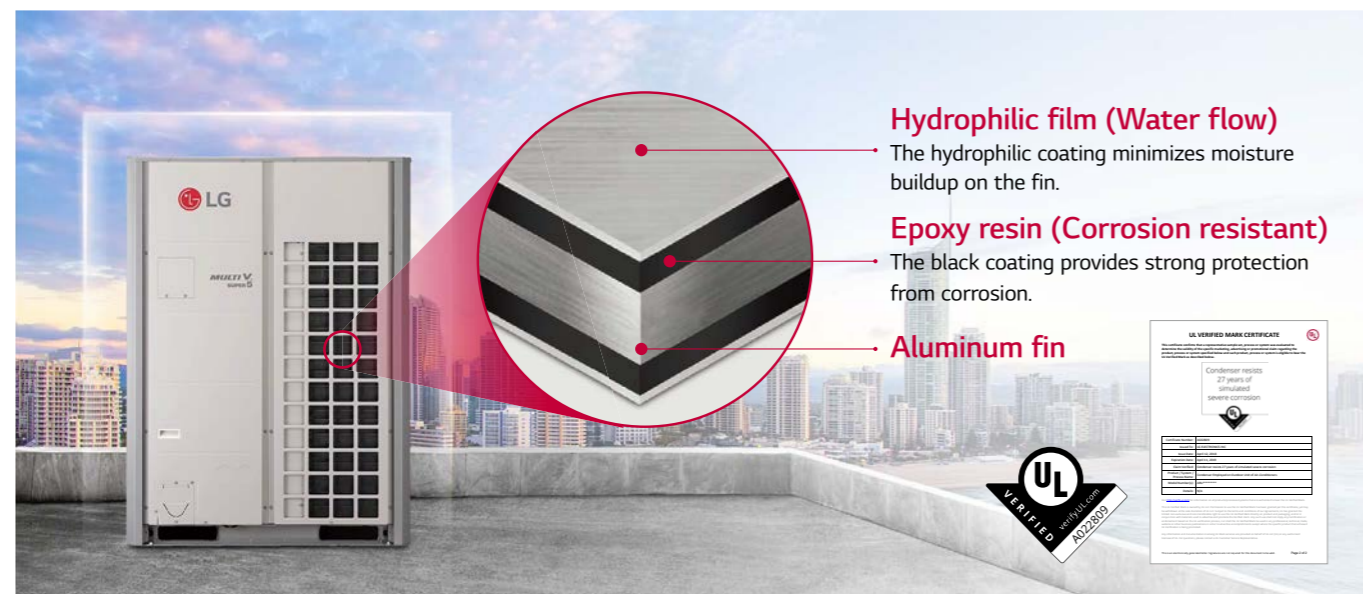
## Back Up Function

When an operating compressor is malfunctioning, automatic emergency back up function is activated in order to continue cooling or heating operation using another compressor or another outdoor unit for back up operation whilst waiting for service. This function is for emergency situation, so users should contact their authorized service dealer as soon as fault has occurred.



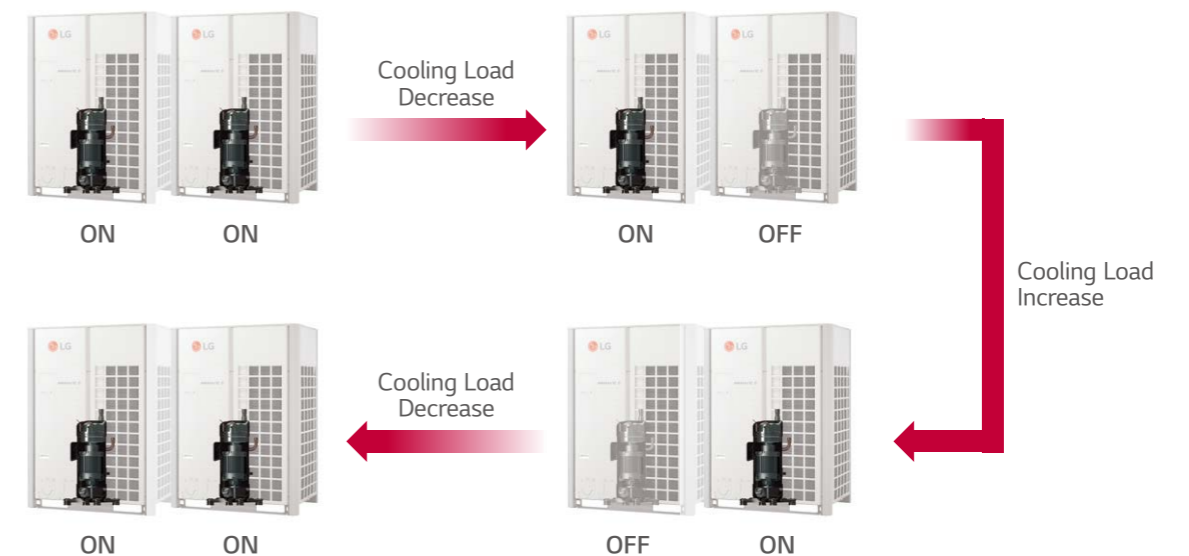
## Ocean Black Fin

LG's exclusive "Ocean Black Fin" heat exchanger is designed for Improved Corrosion Resistance.



## Extended Compressor Life Cycle by Alternative Operation

The running sequence of compressors are monitored by a built-in micro computer to ensure accumulated operation hours of all compressors are balanced. This leads to the longer working life of the compressors and the system.





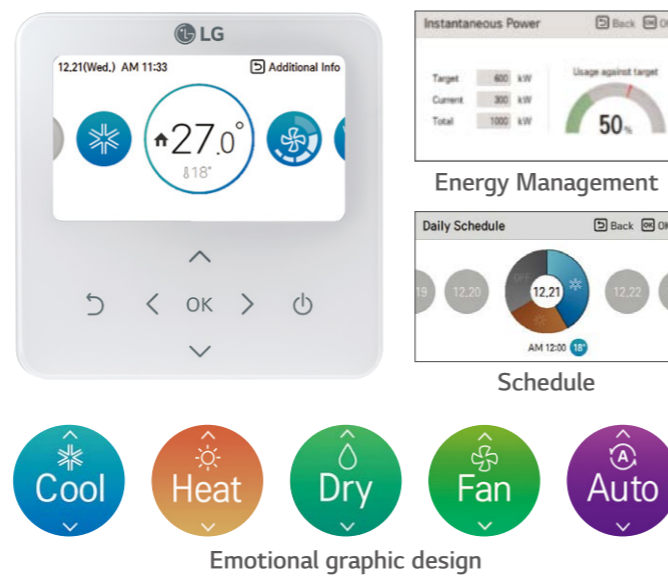
# CONVENIENCE

## Smart Individual Controller

Standard III Wired Remote Controller offers 4.3-inch large LCD screen with neat and premium design. This luxurious design well-matches interior design through colored screen and simple button layout.



- Premium Design
  - New Modern design 4.3 inch colored LCD & Simple touch button
- Intuitive Interface
  - Emotional graphic design Simple & user friendly
- Energy Management
  - Energy Monitoring
  - Real time - Yearly, Target setting & Alarm pop-up
  - Energy saving function (Time limit control, Setback)
- Variable Functions
  - Environment Information (Temperature, Humidity)
  - Integrated Schedule (Simple, Weekly)
  - Programmable with Digital Output (Option)



## Wi-Fi Control

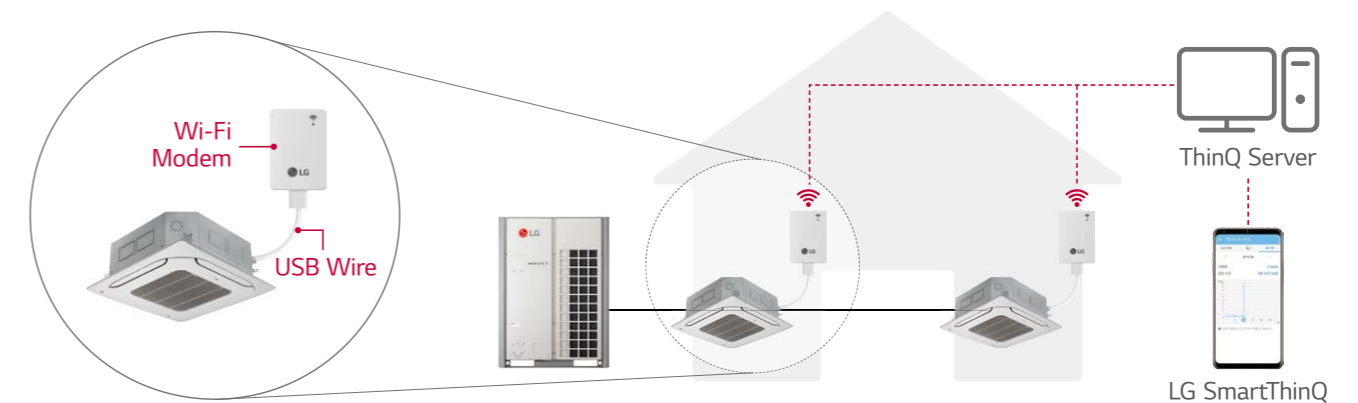
Control your air conditioners via using the smart internet devices as Android or iOS based smartphones.

### Wi-Fi Modem & Smart ThinQ

- It is possible to access LG air conditioner anytime and from anywhere with Wi-Fi equipped device.
- Simple operation for various functions
  - On / Off
  - Operation Mode
  - Current / Set Temperature
  - Fan Speed
  - Vane Control
  - Reservation (Sleep, Weekly On / Off)
  - Energy Monitoring
  - Filter Management
  - Error check



### Overview



※ Search "LG SmartThinQ" on Google market or Appstore then download the app.  
 ※ Internet service with Wi-Fi connection has to be available.

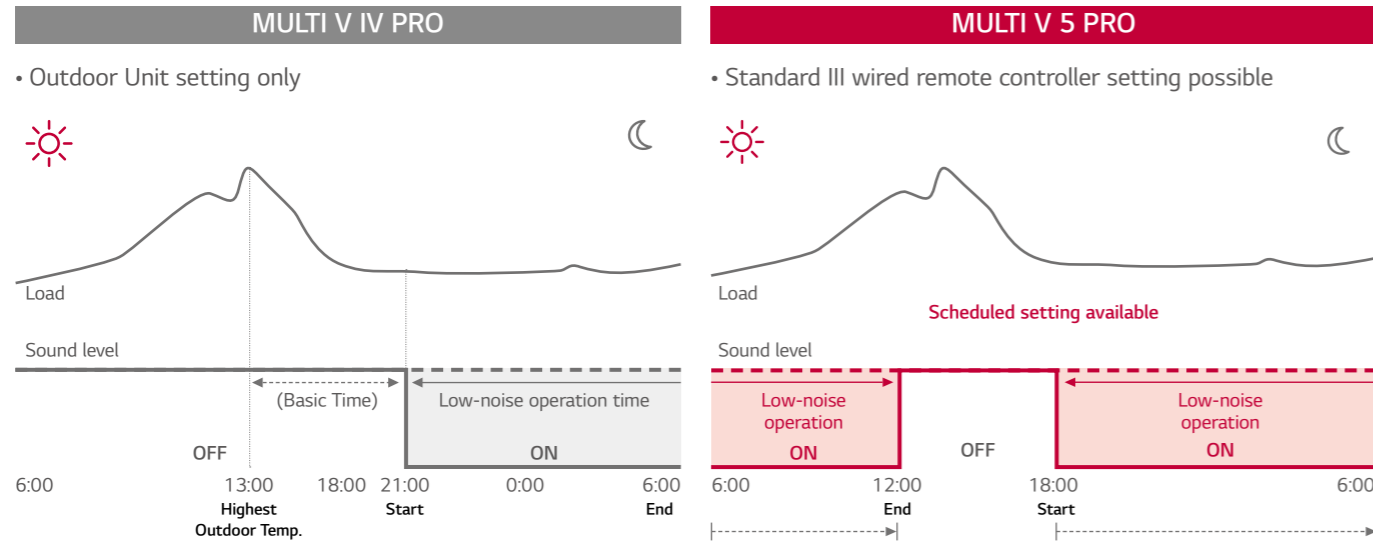


# OUTDOOR UNIT KEY FEATURES

## CONVENIENCE

### Low-Noise Operation

The Low-Noise Operation is possible regardless of the time where noise sensitive areas. This function can be set by users through remote controller



\* Low-Noise Operation requires Standard III Wired Remote Controller(option).

### Refrigerant Leakage Detection

Refrigerant leakage detector senses real time refrigerant leakage and can secure Customer's safety.

- This detector alarms refrigerant leakage when the refrigerant concentration exceeds 6,000ppm. (The green and red LED lights blink simultaneously.)
- Alarm is "ON" over 6,000ppm has been maintained 5 seconds, and Alarm is "OFF" under 6,000ppm has been maintained 5 seconds.
- When the alarm of the refrigerant leak detector is switched on the user must ventilate the room until the alarm is disabled

CASE 1	CASE 2	CASE 3
Stop Operating (System Termination)	Main Pipe Closing & Pump Down	Branch Pipe Closing & Continuous Operating

• Accessory Specification (To realize the case2 application)



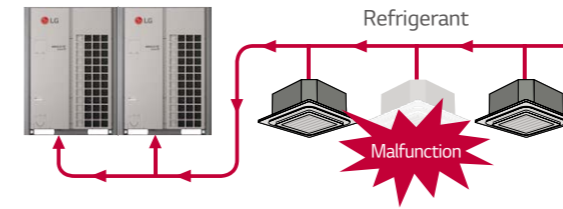
\* Field supply item: Please contact to subsidiary to get the recommended specification of Necessary accessory. (LG Electronic don't provide this accessory)

### Other Convenient functions

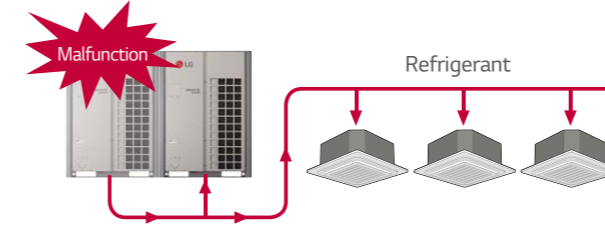
MULTI V 5 PRO has many useful functions.

#### Pump Down, Pump Out      Auto Dust Removal

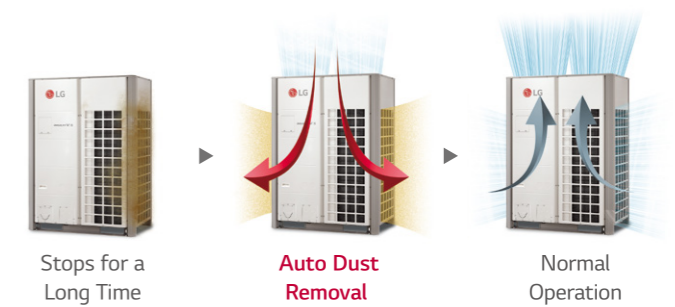
- This function is very useful and convenient to repair the malfunction unit.
- Pump Down : When an indoor unit malfunctions, this function collects the refrigerant remaining in the piping line or indoor units to an outdoor unit.



- Pump Out : When an outdoor unit malfunctions, this function collects the refrigerant in other outdoor units, indoor unit, and piping line.



- MULTI V 5 PRO can remove dust(sand, leaves, and etc.) on heat exchanger of outdoor unit. This function can prevent performance degradation of the ODU heat exchanger
- Dust is removed on heat exchanger by reverse rotation of fan with Dip switch setting, 5 min. operation in every 2 hours.



### Simple Test Run via LGMV

In order to bring out performance to the 100% level, proper product test run is necessary. For previous product, professional engineer who is well-aware of more than 40 different functional settings and 200+ error codes had to check main parts in order to make sure that the test run had succeeded. With Mobile LGMV of MULTI V 5 PRO, however, fast and accurate auto test run can be executed and the professional installer running the test can receive test results via email, which shortens installation hours and increases overall efficiency in installation processes.

#### Test run comparison

- Previous Model vs. MULTI V 5 PRO



#### LGMV smartphone application setting pages



OUTDOOR UNIT SPECIFICATION

# MULTI V 5 PRO

ARUN080LLS5 / ARUN100LLS5 / ARUN120LLS5 / ARUN140LLS5



HP			8	10	12	14
Model Name	Combination Unit		ARUN080LLS5	ARUN100LLS5	ARUN120LLS5	ARUN140LLS5
	Independent Unit		ARUN080LLS5	ARUN100LLS5	ARUN120LLS5	ARUN140LLS5
Capacity	Cooling (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
	Heating (Rated)	kW	22.4	28.0	33.6	39.2
		Btu/h	76,400	95,500	114,600	133,800
Input (Rated)	Cooling	kW	5.10	6.80	8.90	10.60
	Heating	kW	5.03	7.07	9.10	11.60
EER (Rated)			4.39	4.12	3.78	3.70
COP (Rated)			4.45	3.96	3.69	3.38
Power Factor	Rated	-	0.93	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number		4,200	4,200	5,300	5,300
	Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number		1,200	1,200	1,200	1,200
	Air Flow Rate (High)	m³/min	240	240	240	240
		ft³/min	8,476	8,476	8,476	8,476
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	DC INVERTER
	Discharge		Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)
	Gas Pipe	mm (inch)	19.05(3/4)	22.2(7/8)	28.58(1-1/8)	28.58(1-1/8)
Dimensions (W × H × D)		mm	(930 × 1,690 × 760)	(930 × 1,690 × 760)	(930 × 1,690 × 760)	(930 × 1,690 × 760)
Net Weight			175	175	175	185
			386	386	386	408
Sound Pressure Level	Cooling	dB(A)	58.0	58.0	59.0	60.0
	Heating	dB(A)	59.0	59.0	60.0	61.0
Sound Power Level	Cooling	dB(A)	78.0	78.0	79.0	82.0
	Heating	dB(A)	79.0	79.0	80.0	83.0
Communication Cable		No. × mm² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A	R410A
	Precharged Amount in factory	kg	4.7	4.7	4.7	7.5
		lbs	10.4	10.4	10.4	16.5
	TCO2eq		9.8	9.8	9.8	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			13(20)	16(25)	20(30)	23(35)

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

ARUN160LLS5 / ARUN180LLS5 / ARUN200LLS5



HP			16	18	20
Model Name	Combination Unit		ARUN160LLS5	ARUN180LLS5	ARUN200LLS5
	Independent Unit		ARUN160LLS5	ARUN180LLS5	ARUN200LLS5
Capacity	Cooling (Rated)	kW	44.8	50.4	56.0
		Btu/h	152,900	172,000	191,100
	Heating (Rated)	kW	44.8	50.4	56.0
		Btu/h	152,900	172,000	191,100
Input (Rated)	Cooling	kW	11.90	12.30	14.10
	Heating	kW	12.10	12.10	14.50
EER (Rated)			3.76	4.10	3.97
COP (Rated)			3.70	4.17	3.86
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number		5,300	7,500	7,500
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number		900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m³/min	320	320	320
		ft³/min	11,301	11,301	11,301
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge		Side / Top	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Gas Pipe	mm (inch)	28.58(1-1/8)	28.58(1-1/8)	28.58(1-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)	(1,240 × 1,690 × 760)
Net Weight			205	230	230
			452	507	507
Sound Pressure Level	Cooling	dB(A)	60.5	62.0	63.0
	Heating	dB(A)	61.5	64.5	66.0
Sound Power Level	Cooling	dB(A)	83.0	85.0	86.0
	Heating	dB(A)	85.0	86.0	89.0
Communication Cable		No. × mm² (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	6.5	7.5	7.5
		lbs	14.3	16.5	16.5
	TCO2eq		13.6	15.7	15.7
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			26(40)	29(45)	32(50)

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.



OUTDOOR UNIT SPECIFICATION

# MULTI V 5 PRO

ARUN220LLS5 / ARUN240LLS5 / ARUN260LLS5



HP			22	24	26
Model Name	Combination Unit		ARUN220LLS5	ARUN240LLS5	ARUN260LLS5
	Independent Unit		ARUN220LLS5	ARUN240LLS5	ARUN260LLS5
Capacity	Cooling (Rated)	kW	61.6	67.2	72.8
		Btu/h	210,200	229,300	248,400
	Heating (Rated)	kW	61.6	67.2	72.8
		Btu/h	210,200	229,300	248,400
Input (Rated)	Cooling	kW	16.80	18.20	20.80
	Heating	kW	17.80	17.90	20.50
EER (Rated)			3.67	3.69	3.50
COP (Rated)			3.46	3.75	3.55
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	7,500	5,300 × 2	5,300 × 2
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	900 × 2	900 × 2	900 × 2
	Air Flow Rate (High)	m <sup>3</sup> /min	320	320	320
		ft <sup>3</sup> /min	11,301	11,301	11,301
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	15.88(5/8)	15.88(5/8)	19.05(3/4)
	Gas Pipe	mm (inch)	28.58(1-1/8)	34.9(1-3/8)	34.9(1-3/8)
Dimensions (W × H × D)			mm (1,240 × 1,690 × 760)	mm (1,240 × 1,690 × 760)	mm (1,240 × 1,690 × 760)
Net Weight			kg 230	kg 250	kg 250
			lbs 507	lbs 551	lbs 551
Sound Pressure Level	Cooling	dB(A)	64.0	65.0	65.0
	Heating	dB(A)	67.0	67.0	67.0
Sound Power Level	Cooling	dB(A)	87.0	88.0	88.0
	Heating	dB(A)	90.0	90.0	90.0
Communication Cable			No. × mm <sup>2</sup> (VCTF-SB) 2C × 1.0 - 1.5	No. × mm <sup>2</sup> (VCTF-SB) 2C × 1.0 - 1.5	No. × mm <sup>2</sup> (VCTF-SB) 2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	7.5	11	11
		lbs	16.5	24.3	24.3
	TCO2eq		15.7	23.0	23.0
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	∅, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			35(56)	39(61)	42(64)

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

ARUN280LLS5 / ARUN300LLS5 / ARUN320LLS5



HP			28	30	32
Model Name	Combination Unit		ARUN280LLS5	ARUN300LLS5	ARUN320LLS5
	Independent Unit		ARUN160LLS5 ARUN120LLS5	ARUN180LLS5 ARUN120LLS5	ARUN200LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	78.4	84.0	89.6
		Btu/h	267,500	286,600	305,700
	Heating (Rated)	kW	78.4	84.0	89.6
		Btu/h	267,500	286,600	305,700
Input (Rated)	Cooling	kW	20.8	21.2	23.0
	Heating	kW	21.2	21.2	23.6
EER (Rated)			3.77	3.96	3.90
COP (Rated)			3.70	3.96	3.80
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 2	(7,500 × 1) + (5,300 × 1)	(7,500 × 1) + (5,300 × 1)
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate (High)	m <sup>3</sup> /min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm (inch)	34.9(1-3/8)	34.9(1-3/8)	34.9(1-3/8)
Dimensions (W × H × D)			mm (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	mm (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	mm (1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1
Net Weight			kg (205) + (175)	kg (230) + (175)	kg (230) + (175)
			lbs (452) + (386)	lbs (507) + (386)	lbs (507) + (386)
Sound Pressure Level	Cooling	dB(A)	62.8	63.8	64.5
	Heating	dB(A)	63.8	65.8	67.0
Sound Power Level	Cooling	dB(A)	84.5	86.0	86.8
	Heating	dB(A)	86.2	87.0	89.5
Communication Cable			No. × mm <sup>2</sup> (VCTF-SB) 2C × 1.0 - 1.5	No. × mm <sup>2</sup> (VCTF-SB) 2C × 1.0 - 1.5	No. × mm <sup>2</sup> (VCTF-SB) 2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	11.2	12.2	12.2
		lbs	24.7	26.9	26.9
	TCO2eq		23.4	25.5	25.5
	Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	∅, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			45(56)	49(60)	52(64)

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.



OUTDOOR UNIT SPECIFICATION

# MULTI V 5 PRO

ARUN340LLS5 / ARUN360LLS5 / ARUN380LLS5



HP		34	36	38	
Model Name	Combination Unit	ARUN340LLS5	ARUN360LLS5	ARUN380LLS5	
	Independent Unit	ARUN220LLS5 ARUN120LLS5	ARUN240LLS5 ARUN120LLS5	ARUN260LLS5 ARUN120LLS5	
Capacity	Cooling (Rated)	kW	95.2	100.8	106.4
		Btu/h	324,800	343,900	363,000
	Heating (Rated)	kW	95.2	100.8	106.4
		Btu/h	324,800	343,900	363,000
Input (Rated)	Cooling	25.7	27.1	29.7	
	Heating	26.9	27.0	29.6	
EER (Rated)		3.70	3.72	3.58	
COP (Rated)		3.54	3.73	3.59	
Power Factor	Rated	0.93	0.93	0.93	
Exterior	Casing Color	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	
	RAL code	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Compressor	Motor Output × Number	W × No.	(7,500 × 1) + (5,300 × 1)	(7,500 × 1) + (5,300 × 1)	5,300 × 3
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)	(900 × 2) + (1,200 × 1)
	Air Flow Rate (High)	m <sup>3</sup> /min	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)	(320 × 1) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)	(11,301 × 1) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm (inch)	34.9(1-3/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions (W × H × D)	mm	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1	
Net Weight	kg	(230) + (175)	(250) + (175)	(250) + (175)	
	lbs	(507) + (386)	(551) + (386)	(551) + (386)	
Sound Pressure Level	Cooling	dB(A)	65.2	66.0	66.0
	Heating	dB(A)	67.8	67.8	67.8
Sound Power Level	Cooling	dB(A)	87.6	88.5	88.5
	Heating	dB(A)	90.4	90.4	90.4
Communication Cable	No. × mm <sup>2</sup> (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5	
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	12.2	15.7	15.7
		lbs	26.9	34.6	34.6
	TCO2eq		25.5	32.8	32.8
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	∅, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maxmum connectable indoor units <sup>1)</sup>		55(64)	58(64)	61(64)	

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

ARUN400LLS5 / ARUN420LLS5 / ARUN440LLS5



HP		40	42	44	
Model Name	Combination Unit	ARUN400LLS5	ARUN420LLS5	ARUN440LLS5	
	Independent Unit	ARUN260LLS5 ARUN140LLS5	ARUN260LLS5 ARUN160LLS5	ARUN260LLS5 ARUN180LLS5	
Capacity	Cooling (Rated)	kW	112.0	117.6	123.2
		Btu/h	382,200	401,300	420,400
	Heating (Rated)	kW	112.0	117.6	123.2
		Btu/h	382,200	401,300	420,400
Input (Rated)	Cooling	31.4	32.7	33.1	
	Heating	32.1	32.6	32.6	
EER (Rated)		3.57	3.60	3.72	
COP (Rated)		3.49	3.61	3.78	
Power Factor	Rated	0.93	0.93	0.93	
Exterior	Casing Color	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	
	RAL code	NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	
Heat Exchanger		Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Compressor	Motor Output × Number	W × No.	5,300 × 3	5,300 × 3	(5,300 × 2) + (7,500 × 1)
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	(900 × 2) + (1,200 × 1)	900 × 4	900 × 4
	Air Flow Rate (High)	m <sup>3</sup> /min	(320 × 1) + (240 × 1)	320 × 2	320 × 2
		ft <sup>3</sup> /min	(11,301 × 1) + (8,476 × 1)	11,301 × 2	11,301 × 2
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Pipe	mm (inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)
Dimensions (W × H × D)	mm	"(1,240 × 1,690 × 760) × 1 + (930 × 1,690 × 760) × 1"	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2	
Net Weight	kg	(250) + (185)	(250) + (205)	(250) + (230)	
	lbs	(551) + (408)	(551) + (452)	(551) + (507)	
Sound Pressure Level	Cooling	dB(A)	66.2	66.3	66.8
	Heating	dB(A)	68.0	68.1	68.9
Sound Power Level	Cooling	dB(A)	89.0	89.2	89.8
	Heating	dB(A)	90.8	91.2	91.5
Communication Cable	No. × mm <sup>2</sup> (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5	
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	18.5	17.5	18.5
		lbs	40.8	38.6	40.8
	TCO2eq		38.6	36.5	38.6
Control		Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	
Power Supply	∅, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maxmum connectable indoor units <sup>1)</sup>		64	64	64	

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.



OUTDOOR UNIT SPECIFICATION

# MULTI V 5 PRO

ARUN460LLS5 / ARUN480LLS5 / ARUN500LLS5



HP			46	48	50	
Model Name	Combination Unit		ARUN460LLS5	ARUN480LLS5	ARUN500LLS5	
	Independent Unit		ARUN260LLS5 ARUN200LLS5	ARUN260LLS5 ARUN240LLS5	ARUN260LLS5 ARUN240LLS5	
Capacity	Cooling (Rated)	kW	128.8	134.4	140.0	
		Btu/h	439,500	458,600	477,700	
	Heating (Rated)	kW	128.8	134.4	140.0	
		Btu/h	439,500	458,600	477,700	
Input (Rated)	Cooling	kW	34.9	37.6	39.0	
	Heating	kW	35.0	38.3	38.4	
EER (Rated)			3.69	3.57	3.59	
COP (Rated)			3.68	3.51	3.65	
Power Factor	Rated	-	0.93	0.93	0.93	
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Compressor	Motor Output × Number	W × No.	(5,300 × 2) + (7,500 × 1)	(5,300 × 2) + (7,500 × 1)	5,300 × 4	
	Type		Propeller fan	Propeller fan	Propeller fan	
Fan	Motor Output × Number	W	900 × 4	900 × 4	900 × 4	
	Air Flow Rate (High)	m <sup>3</sup> /min	320 × 2	320 × 2	320 × 2	
		ft <sup>3</sup> /min	11,301 × 2	11,301 × 2	11,301 × 2	
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	
	Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	
	Gas Pipe	mm (inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)	
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2	
Net Weight			kg	(250) + (230)	(250) + (250)	
			lbs	(551) + (507)	(551) + (551)	
Sound Pressure Level	Cooling	dB(A)	67.1	67.5	68.0	
	Heating	dB(A)	69.5	70.0	70.0	
Sound Power Level	Cooling	dB(A)	90.1	90.5	91.0	
	Heating	dB(A)	92.5	93.0	93.0	
Communication Cable	No. × mm <sup>2</sup> (VCTF-SB)		2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5	
Refrigerant	Refrigerant name		R410A	R410A	R410A	
	Precharged Amount in factory	kg	18.5	18.5	22.0	
		lbs	40.8	40.8	48.5	
	TCO <sub>2eq</sub>			38.6	38.6	45.9
	Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50	
			380, 3, 60	380, 3, 60	380, 3, 60	
Number of maximum connectable indoor units <sup>1)</sup>			64	64	64	

ARUN400LLS5 / ARUN420LLS5 / ARUN440LLS5



HP			52	54	56	
Model Name	Combination Unit		ARUN520LLS5	ARUN540LLS5	ARUN560LLS5	
	Independent Unit		ARUN260LLS5 ARUN260LLS5	ARUN260LLS5 ARUN160LLS5 ARUN120LLS5	ARUN260LLS5 ARUN180LLS5 ARUN120LLS5	
Capacity	Cooling (Rated)	kW	145.6	151.2	156.8	
		Btu/h	496,800	515,900	535,000	
	Heating (Rated)	kW	145.6	151.2	156.8	
		Btu/h	496,800	515,900	535,000	
Input (Rated)	Cooling	kW	41.6	41.6	42.0	
	Heating	kW	41.0	41.7	41.7	
EER (Rated)			3.50	3.63	3.73	
COP (Rated)			3.55	3.63	3.76	
Power Factor	Rated	-	0.93	0.93	0.93	
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K	
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus	
Compressor	Motor Output × Number	W × No.	5,300 × 4	5,300 × 4	(5,300 × 3) + (7,500 × 1)	
	Type		Propeller fan	Propeller fan	Propeller fan	
Fan	Motor Output × Number	W	900 × 4	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	
	Air Flow Rate (High)	m <sup>3</sup> /min	320 × 2	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	
		ft <sup>3</sup> /min	11,301 × 2	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	
	Drive		DC INVERTER	DC INVERTER	DC INVERTER	
	Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	
	Gas Pipe	mm (inch)	41.3(1-5/8)	41.3(1-5/8)	41.3(1-5/8)	
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 2	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	
Net Weight			kg	(250) + (250)	(250) + (205) + (175)	
			lbs	(551) + (551)	(551) + (452) + (386)	
Sound Pressure Level	Cooling	dB(A)	68.0	67.1	67.4	
	Heating	dB(A)	70.0	68.7	69.5	
Sound Power Level	Cooling	dB(A)	91.0	89.6	90.1	
	Heating	dB(A)	93.0	91.5	91.8	
Communication Cable	No. × mm <sup>2</sup> (VCTF-SB)		2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5	
Refrigerant	Refrigerant name		R410A	R410A	R410A	
	Precharged Amount in factory	kg	22.0	22.2	23.2	
		lbs	48.5	48.9	51.1	
	TCO <sub>2eq</sub>			45.9	46.3	48.4
	Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50	
			380, 3, 60	380, 3, 60	380, 3, 60	
Number of maximum connectable indoor units <sup>1)</sup>			64	64	64	

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

OUTDOOR UNIT SPECIFICATION

# MULTI V 5 PRO

ARUN580LLS5 / ARUN600LLS5 / ARUN620LLS5



HP			58	60	62
Model Name	Combination Unit		ARUN580LLS5	ARUN600LLS5	ARUN620LLS5
	Independent Unit		ARUN260LLS5 ARUN200LLS5 ARUN120LLS5	ARUN260LLS5 ARUN240LLS5 ARUN120LLS5	ARUN260LLS5 ARUN240LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	162.4	168.0	173.6
		Btu/h	554,100	573,200	592,300
	Heating (Rated)	kW	162.4	168.0	173.6
		Btu/h	554,100	573,200	592,300
Input (Rated)	Cooling	kW	43.8	46.5	47.9
	Heating	kW	44.1	47.4	47.5
EER (Rated)			3.71	3.61	3.62
COP (Rated)			3.68	3.54	3.65
Power Factor		Rated	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	(5,300 × 3) + (7,500 × 1)	(5,300 × 3) + (7,500 × 1)	5,300 × 5
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)
	Air Flow Rate (High)	m <sup>3</sup> /min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	19.05(3/4)	19.05(3/4)	22.2(7/8)
	Gas Pipe	mm (inch)	41.3(1-5/8)	41.3(1-5/8)	44.5(1-3/4)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1
Net Weight		kg	(250) + (230) + (175)	(250) + (230) + (175)	(250) + (250) + (175)
		lbs	(551) + (507) + (386)	(551) + (507) + (386)	(551) + (551) + (386)
Sound Pressure Level	Cooling	dB(A)	67.7	68.1	68.5
	Heating	dB(A)	70.0	70.4	70.4
Sound Power Level	Cooling	dB(A)	90.4	90.8	91.3
	Heating	dB(A)	92.8	93.2	93.2
Communication Cable		No. × mm <sup>2</sup> (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	23.2	23.2	26.7
		lbs	51.1	51.1	58.9
	TCO2eq		48.4	48.4	55.7
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	∅, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			64	64	64

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

ARUN640LLS5 / ARUN660LLS5 / ARUN680LLS5



HP			64	66	68
Model Name	Combination Unit		ARUN640LLS5	ARUN660LLS5	ARUN680LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN140LLS5	ARUN260LLS5 ARUN260LLS5 ARUN160LLS5
Capacity	Cooling (Rated)	kW	179.2	184.8	190.4
		Btu/h	611,400	630,600	649,700
	Heating (Rated)	kW	179.2	184.8	190.4
		Btu/h	611,400	630,600	649,700
Input (Rated)	Cooling	kW	50.5	52.2	53.5
	Heating	kW	50.1	52.6	53.1
EER (Rated)			3.55	3.54	3.56
COP (Rated)			3.58	3.51	3.59
Power Factor		Rated	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 5	5,300 × 5	5,300 × 5
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	(900 × 4) + (1,200 × 1)	(900 × 4) + (1,200 × 1)	900 × 6
	Air Flow Rate (High)	m <sup>3</sup> /min	(320 × 2) + (240 × 1)	(320 × 2) + (240 × 1)	320 × 3
		ft <sup>3</sup> /min	(11,301 × 2) + (8,476 × 1)	(11,301 × 2) + (8,476 × 1)	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
Discharge	Side / Top	TOP	TOP	TOP	
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm (inch)	44.5(1-3/4)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 2 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3
Net Weight		kg	(250) + (250) + (175)	(250) + (250) + (185)	(250) + (250) + (205)
		lbs	(551) + (551) + (386)	(551) + (551) + (408)	(551) + (551) + (452)
Sound Pressure Level	Cooling	dB(A)	68.5	68.6	68.7
	Heating	dB(A)	70.4	70.5	70.6
Sound Power Level	Cooling	dB(A)	91.3	91.5	91.6
	Heating	dB(A)	93.2	93.4	93.6
Communication Cable		No. × mm <sup>2</sup> (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	26.7	29.5	28.5
		lbs	58.9	65.0	62.8
	TCO2eq		55.7	61.6	59.5
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	∅, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			64	64	64

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.



OUTDOOR UNIT SPECIFICATION

# MULTI V 5 PRO

ARUN580LLS5 / ARUN600LLS5 / ARUN620LLS5



HP			70	72	74
Model Name	Combination Unit		ARUN700LLS5	ARUN720LLS5	ARUN740LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN180LLS5	ARUN260LLS5 ARUN260LLS5 ARUN200LLS5	ARUN260LLS5 ARUN260LLS5 ARUN220LLS5
Capacity	Cooling (Rated)	kW	196.0	201.6	207.2
		Btu/h	668,800	687,900	707,000
	Heating (Rated)	kW	196.0	201.6	207.2
		Btu/h	668,800	687,900	707,000
Input (Rated)	Cooling	kW	53.9	55.7	58.4
	Heating	kW	53.1	55.5	58.8
EER (Rated)			3.64	3.62	3.55
COP (Rated)			3.69	3.63	3.52
Power Factor		Rated	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	(5,300 × 4) + (7,500 × 1)	(5,300 × 4) + (7,500 × 1)	(5,300 × 4) + (7,500 × 1)
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	900 × 6	900 × 6	900 × 6
	Air Flow Rate (High)	m <sup>3</sup> /min	320 × 3	320 × 3	320 × 3
		ft <sup>3</sup> /min	11,301 × 3	11,301 × 3	11,301 × 3
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm (inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3
Net Weight		kg	(250) + (250) + (230)	(250) + (250) + (230)	(250) + (250) + (230)
		lbs	(551) + (551) + (507)	(551) + (551) + (507)	(551) + (551) + (507)
Sound Pressure Level	Cooling	dB(A)	69.0	69.2	69.5
	Heating	dB(A)	71.1	71.5	71.8
Sound Power Level	Cooling	dB(A)	92.0	92.2	92.5
	Heating	dB(A)	93.8	94.5	94.8
Communication Cable		No. × mm <sup>2</sup> (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	29.5	29.5	29.5
		lbs	65.0	65.0	65.0
	TCO <sub>2eq</sub>			61.6	61.6
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			64	64	64

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

ARUN760LLS5 / ARUN780LLS5 / ARUN800LLS5



HP			76	78	80
Model Name	Combination Unit		ARUN760LLS5	ARUN780LLS5	ARUN800LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN240LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5	ARUN260LLS5 ARUN260LLS5 ARUN160LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	212.8	218.4	224.0
		Btu/h	726,100	745,200	764,300
	Heating (Rated)	kW	212.8	218.4	224.0
		Btu/h	726,100	745,200	764,300
Input (Rated)	Cooling	kW	59.8	62.4	62.4
	Heating	kW	58.9	61.5	62.2
EER (Rated)			3.56	3.50	3.59
COP (Rated)			3.61	3.55	3.60
Power Factor		Rated	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 6	5,300 × 6	5,300 × 6
	Type		Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	900 × 6	900 × 6	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m <sup>3</sup> /min	320 × 3	320 × 3	(320 × 3) + (240 × 1)
		ft <sup>3</sup> /min	11,301 × 3	11,301 × 3	(11,301 × 3) + (8,476 × 1)
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm (inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
Net Weight		kg	(250) + (250) + (250)	(250) + (250) + (250)	(250) + (250) + (205) + (175)
		lbs	(551) + (551) + (551)	(551) + (551) + (551)	(551) + (551) + (452) + (386)
Sound Pressure Level	Cooling	dB(A)	69.8	69.8	69.2
	Heating	dB(A)	71.8	71.8	70.9
Sound Power Level	Cooling	dB(A)	92.8	92.8	91.9
	Heating	dB(A)	94.8	94.8	93.8
Communication Cable		No. × mm <sup>2</sup> (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	33.0	33.0	33.2
		lbs	72.8	72.8	73.2
	TCO <sub>2eq</sub>			68.9	68.9
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			64	64	64

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

OUTDOOR UNIT SPECIFICATION

# MULTI V 5 PRO

ARUN820LLS5 / ARUN840LLS5 / ARUN860LLS5



HP			82	84	86
Model Name	Combination Unit		ARUN820LLS5	ARUN840LLS5	ARUN860LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN180LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN200LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN220LLS5 ARUN120LLS5
Capacity	Cooling (Rated)	kW	229.6	235.2	240.8
		Btu/h	783,400	802,500	821,600
	Heating (Rated)	kW	229.6	235.2	240.8
		Btu/h	783,400	802,500	821,600
Input (Rated)	Cooling	kW	62.8	64.6	67.3
	Heating	kW	62.2	64.6	67.9
EER (Rated)			3.66	3.64	3.58
COP (Rated)			3.69	3.64	3.55
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	(5,300 × 5) + (7,500 × 1)	(5,300 × 5) + (7,500 × 1)	(5,300 × 5) + (7,500 × 1)
	Type	Propeller fan			
Fan	Motor Output × Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m <sup>3</sup> /min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive	DC INVERTER			
Discharge	Side / Top		TOP		
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	22.2(7/8)		
	Gas Pipe	mm (inch)	53.98(2-1/8)		
Dimensions (W × H × D)	mm		(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
Net Weight	kg		(250) + (250) + (230) + (175)	(250) + (250) + (230) + (175)	(250) + (250) + (230) + (175)
	lbs		(551) + (551) + (507) + (386)	(551) + (551) + (507) + (386)	(551) + (551) + (507) + (386)
Sound Pressure Level	Cooling	dB(A)	69.4	69.6	69.8
	Heating	dB(A)	71.4	71.8	72.1
Sound Power Level	Cooling	dB(A)	92.2	92.4	92.7
	Heating	dB(A)	94.0	94.6	94.9
Communication Cable	No. × mm <sup>2</sup> (VCTF-SB)		2C × 1.0 - 1.5		
Refrigerant	Refrigerant name		R410A		
	Precharged Amount in factory	kg	34.2		
		lbs	75.4		
	TCO <sub>2eq</sub>		71.4		
Control		Electronic Expansion Valve			
Power Supply	∅, V, Hz		380-415, 3, 50		380-415, 3, 50
			380, 3, 60		380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			64		64

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

ARUN880LLS5 / ARUN900LLS5 / ARUN920LLS5



HP			88	90	92
Model Name	Combination Unit		ARUN880LLS5	ARUN900LLS5	ARUN920LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN240LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN120LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN140LLS5
Capacity	Cooling (Rated)	kW	246.4	252.0	257.6
		Btu/h	840,700	859,800	879,000
	Heating (Rated)	kW	246.4	252.0	257.6
		Btu/h	840,700	859,800	879,000
Input (Rated)	Cooling	kW	68.7	71.3	73.0
	Heating	kW	68.0	70.6	73.1
EER (Rated)			3.59	3.53	3.53
COP (Rated)			3.62	3.57	3.52
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 7	5,300 × 7	5,300 × 7
	Type	Propeller fan			
Fan	Motor Output × Number	W	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)	(900 × 6) + (1,200 × 1)
	Air Flow Rate (High)	m <sup>3</sup> /min	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)	(320 × 3) + (240 × 1)
		ft <sup>3</sup> /min	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)	(11,301 × 3) + (8,476 × 1)
	Drive	DC INVERTER			
Discharge	Side / Top		TOP		
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	22.2(7/8)		
	Gas Pipe	mm (inch)	53.98(2-1/8)		
Dimensions (W × H × D)	mm		(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1	(1,240 × 1,690 × 760) × 3 + (930 × 1,690 × 760) × 1
Net Weight	kg		(250) + (250) + (250) + (175)	(250) + (250) + (250) + (175)	(250) + (250) + (250) + (185)
	lbs		(551) + (551) + (551) + (386)	(551) + (551) + (551) + (386)	(551) + (551) + (551) + (408)
Sound Pressure Level	Cooling	dB(A)	70.1	70.1	70.2
	Heating	dB(A)	72.1	72.1	72.1
Sound Power Level	Cooling	dB(A)	92.9	92.9	93.1
	Heating	dB(A)	94.9	94.9	95.1
Communication Cable	No. × mm <sup>2</sup> (VCTF-SB)		2C × 1.0 - 1.5		
Refrigerant	Refrigerant name		R410A		
	Precharged Amount in factory	kg	37.7		
		lbs	83.1		
	TCO <sub>2eq</sub>		78.7		
Control		Electronic Expansion Valve			
Power Supply	∅, V, Hz		380-415, 3, 50		380-415, 3, 50
			380, 3, 60		380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			64		64

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.



OUTDOOR UNIT SPECIFICATION

# MULTI V 5 PRO

ARUN940LLS5 / ARUN960LLS5 / ARUN980LLS5



HP			94	96	98
Model Name	Combination Unit		ARUN940LLS5	ARUN960LLS5	ARUN980LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN160LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN180LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN200LLS5
Capacity	Cooling (Rated)	kW	263.2	268.8	274.4
		Btu/h	898,100	917,200	936,300
	Heating (Rated)	kW	263.2	268.8	274.4
		Btu/h	898,100	917,200	936,300
Input (Rated)	Cooling	kW	74.3	74.7	76.5
	Heating	kW	73.6	73.6	76.0
EER (Rated)			3.54	3.60	3.59
COP (Rated)			3.58	3.65	3.61
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	5,300 × 7	(5,300 × 6) + (7,500 × 1)	(5,300 × 6) + (7,500 × 1)
		Type	Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	900 × 8	900 × 8	900 × 8
		Air Flow Rate (High)	m <sup>3</sup> /min ft <sup>3</sup> /min	320 × 4 11,301 × 4	320 × 4 11,301 × 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm (inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
Net Weight		kg	(250) + (250) + (250) + (205)	(250) + (250) + (250) + (230)	(250) + (250) + (250) + (230)
		lbs	(551) + (551) + (551) + (452)	(551) + (551) + (551) + (507)	(551) + (551) + (551) + (507)
Sound Pressure Level	Cooling	dB(A)	70.3	70.4	70.6
	Heating	dB(A)	72.2	72.5	72.8
Sound Power Level	Cooling	dB(A)	93.2	93.4	93.6
	Heating	dB(A)	95.2	95.3	95.8
Communication Cable		No. × mm <sup>2</sup> (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	39.5	40.5	40.5
		lbs	87.1	89.3	89.3
	TCO <sub>2eq</sub>			82.5	84.5
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			64	64	64

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.

ARUN1000LLS5 / ARUN1020LLS5 / ARUN1040LLS5



HP			100	102	104
Model Name	Combination Unit		ARUN1000LLS5	ARUN1020LLS5	ARUN1040LLS5
	Independent Unit		ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN200LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN240LLS5	ARUN260LLS5 ARUN260LLS5 ARUN260LLS5 ARUN260LLS5
Capacity	Cooling (Rated)	kW	280.0	285.6	291.2
		Btu/h	955,400	974,500	993,600
	Heating (Rated)	kW	280.0	285.6	291.2
		Btu/h	955,400	974,500	993,600
Input (Rated)	Cooling	kW	79.2	80.6	83.2
	Heating	kW	79.3	79.4	82.0
EER (Rated)			3.54	3.54	3.50
COP (Rated)			3.53	3.60	3.55
Power Factor	Rated	-	0.93	0.93	0.93
Exterior	Casing Color		Warm Gray / Dawn Gray	Warm Gray / Dawn Gray	Warm Gray / Dawn Gray
	RAL code		NL503K / NA507K	NL503K / NA507K	NL503K / NA507K
Heat Exchanger			Wide Louver Plus	Wide Louver Plus	Wide Louver Plus
Compressor	Motor Output × Number	W × No.	(5,300 × 6) + (7,500 × 1)	5,300 × 8	5,300 × 8
		Type	Propeller fan	Propeller fan	Propeller fan
Fan	Motor Output × Number	W	900 × 8	900 × 8	900 × 8
		Air Flow Rate (High)	m <sup>3</sup> /min ft <sup>3</sup> /min	320 × 4 11,301 × 4	320 × 4 11,301 × 4
	Drive		DC INVERTER	DC INVERTER	DC INVERTER
	Discharge	Side / Top	TOP	TOP	TOP
Pipe Connections For Heat Pump	Liquid Pipe	mm (inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Pipe	mm (inch)	53.98(2-1/8)	53.98(2-1/8)	53.98(2-1/8)
Dimensions (W × H × D)		mm	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4	(1,240 × 1,690 × 760) × 4
Net Weight		kg	(250) + (250) + (250) + (230)	(250) + (250) + (250) + (250)	(250) + (250) + (250) + (250)
		lbs	(551) + (551) + (551) + (507)	(551) + (551) + (551) + (551)	(551) + (551) + (551) + (551)
Sound Pressure Level	Cooling	dB(A)	70.8	71.0	71.0
	Heating	dB(A)	73.0	73.0	73.0
Sound Power Level	Cooling	dB(A)	93.8	94.0	94.0
	Heating	dB(A)	96.0	96.0	96.0
Communication Cable		No. × mm <sup>2</sup> (VCTF-SB)	2C × 1.0 - 1.5	2C × 1.0 - 1.5	2C × 1.0 - 1.5
Refrigerant	Refrigerant name		R410A	R410A	R410A
	Precharged Amount in factory	kg	40.5	44.0	44.0
		lbs	89.3	97.0	97.0
	TCO <sub>2eq</sub>			84.5	91.9
Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz		380-415, 3, 50	380-415, 3, 50	380-415, 3, 50
			380, 3, 60	380, 3, 60	380, 3, 60
Number of maximum connectable indoor units <sup>1)</sup>			64	64	64

1) The number in parentheses means maximum connectable indoor units in accordance with outdoor units combination (160 - 200%). The recommended ratio is 130%.