Large Split Top Discharge **Fixed Speed Series** R410A 50/60Hz

Midea Building Technologies Division **Midea Group**

CE WERRANSS

Add.: Midea Headquarters Building, 6 Midea Avenue, Shunde, Fos

Postal code: 528311

mbt.midea.com

ISO 9001

ISO

400







Mides

Midea MBT

Midea MBT(Midea Building Technologies) is a key division of the Midea Group, a leading provider of comprehensive solutions of intelligent building, involving energy sources, elevators, control systems, and heating, ventilation & air conditioning. Midea MBT has continued with the tradition of innovation upon which it was founded and emerged as a global leader in the HVAC and building management industry. A strong drive for advancement has resulted in an extensive R&D department that has placed Midea MBT at the forefront of a competitive edge. Through these independent projects and joint-cooperation with other global enterprises, Midea has supplied thousands of innovative solutions to customers worldwide.



2000-2001

Cooperated with Toshiba and Copeland, enter VRF field

2008-2009

 Developed DC inverter technology with Toshiba Launched the DC Inverter V4 globally

2014

Launched the All DC Inverter V5X globally, outstanding product performance helps Midea leading VRF market

Several production bases are situated on Shunde, Chongqing, Hefei, and Italy. MBT Shunde: 38 product lines focusing on VRF, Split Products, Heat Pump Water Heaters and AHU/FCU. MBT Chongging: 14 product lines focusing on Water Cooled Centrifugal/Screw/Scroll Chillers, Air Cooled Screw/Scroll Chillers and AHU/FCU.

MBT Hefei: 11 product lines focusing on VRF, Chillers and Heat Pump Water Heaters. Clivet S.p.A: 50,000m2 workshop in Feltre and Verona, covering products such as ELFO system, hydronic, WHLP, packaged, split and close control and so on.

2014-2015

 Won FIFA World Cup Stadiums project in Brazil Beira Rio, Olympic Games Stadiums project in Brazil • Rio de Janeiro and Africa games Stadiums project in Congo Brazzaville successively

2011-2014

Launched the DC Inverter V4 Plus Series successively, complete product lines help Midea successfully enter the mainstream VRF marke

2011-2012

J.V. with Carrier LA and Carrier India successively

2017-2018

Launched the new generation heat pump VRF globally, leading in VRF market

2016 Acquired 80% stake in Clivet

1999 Entered the building technology field

2020-2021

2018-2019

Launched the All DC Inverter Cooling Only VC Pro VRF, ultra cool for hot regions

• Launched the new generation heat recovery VRF V6R Series globally, providing complete HVAC solutions and satisfying all building needs from one manufacturer • Acquired the Chinese national brand Winone Elevator and entered the elevator industry.

MBT Learning Academy



Objective

MBT Learning Academy aims to provide training to the sales personnel as well as technical personnel in order to increase the utilization for your MBT equipment. Once you have purchased equipment from MBT, taking care of the equipment is topmost priority. MBT Learning Academy offers training courses to learn firsthand from the manufacturer what it takes to get the best out of your MBT product. The goal of MBT Learning Academy is to provide product specific training, safe work procedures and expertise in carrying out the installation and maintenance of MBT products as well as teaching the main selling points in order to help the sales people sell the MBT products with ease.

Training Centers

Our world class training centers provide knowledge and skills necessary to efficiently deploy MBT technologies. The training centers include dedicated laboratories to provide hands-on experiences with various systems, components and controls to refresh and enhance the skills of your sales, design and installation and service teams. Right now we operate our trainings from the below two locations:

1. MBT Training Center

Address: MBT Training Center, 2nd Floor, Building 6, Midea Global Innovation Center, Beijiao, Shunde, Foshan, China Pin-528311

The Midea MBT Training Center is situated 70 kilometers from Baiyun Guangzhou International Airport. Products: VRF, M thermal

2. Chongqing Midea Training Center

Address: No. 15, Qiangwei Road, Nan'an District, Chongqing, China Chongqing Midea Training Center is 35 kilometers from Chongqing International Airport. Products: Centrifugal Chiller, Screw/Scroll Chiller and Terminals



VRF training

M thermal training



Global Technical Trainings

The training courses by MBT Learning Academy are divided into the following two categories with different targeted audiences for each.

Design and Application Trainings: The design and application trainings for various products are basically for the sales personnel selling MBT products in order to give them basic understanding about the main features. The trainings are conducted on a global level inviting sales engineers, technical engineers, consultants and project designers from different parts of the world.

After Sales- Service Trainings: These trainings are dedicated for the After Sales/ Service personnel in order for them to better carry out the installation, commissioning and maintenance of MBT products. Technical person and engineers from different parts of the world are invited to take part in these trainings.

Online Trainings: The trainings to the Global customers can also be done online with the help of Team and Midea Meeting software. This way, the customers do not need to be physically present for the training. Amid the COVID-19 pandemic, MBT Learning Academy has conducted a lot of online trainings. The training videos are available on the TSP system and can be downloaded by using QR codes.

Products: VRF, M thermal, Chillers and Terminals

Highly Skilled Trainers: The trainers for various courses by MBT Learning Academy are expert people with vast experiences in their field. Most of them have a deep insight about the global HVAC market and help the attendees to better understand the MBT products.

Training Certificates:

The attendees for Global trainings are provided a training certificate highlighting the courses discussed in the training, signed by Mr. Henry Cheng, General Manager of MBT Overseas Sales Company.

Registration:

You can contact your respective Midea contact point to provide you with the complete schedule about the global technical trainings as well as how to register for these trainings.

For further enquiries about the Global Trainings conducted by MBT Learning Academy, please send email at the following email address: peeyush@midea.com

)idea











Course List

Midea Global Spare Parts Center

The global spare parts center provides high quality and fast spare parts supply. Midea online system (https://tsp.midea.com) can query and purchase spare parts with one click, further shortening the supply time of spare parts.

Country / Territory **United States Puerto Rico**

Iceland Russia REGIONAL SPARE PARTS CENTER IN GEORGIA Belarus Kazakhstan ekistan Kyrgyzstan likistan



A

Contents

- » 08 Introduction
- >> 09 General Features
- >> 13 Duct Indoor Unit Series
- >> 27 Floor-standing Indoor Unit Series
- » 33 Dimensions
- » 37 Controllers

Introduction

Midea split type air conditioners are designed and manufactured to meet the requirements of the home, office, hotel and others public occasion use. The units are completely assembled, internally wired, charged outdoor unit with refrigerant at the factory.

Large Split Top Discharge Fixed Speed Series

Application	Power Supply	Series		
			Medium static pressure duct indoor unit	
R410A T1	220-240V, 1Ph~,50Hz	Indoor Units	High static pressure duct indoor unit	
(Heat Pump)			Floor standing indoor u	
	380-415V, 3Ph~,50Hz	Outdoor units		
			Medium static pressure duct indoor unit	
	220-240V, 1Ph~, 50Hz	Indoor units	High static pressure duct indoor unit	
			Floor standing indoor u	
	380-415V, 3Ph~, 50Hz	Outdoor units		
R410A T3 (Cooling Only)	208~230V 1Ph~ 60Hz	Indoor units	Medium static pressure duct indoor unit	
	200-2309, 1111-, 001/2		Floor standing indoor u	
	208~230V, 3Ph~, 60Hz	Outdoor units		
			Medium static pressure duct indoor unit	
R410A	220-240V, 1Ph~, 50Hz	Indoor units	High static pressure duct indoor unit	
(Heat Pump)			Floor standing indoor u	
	380-415V, 3Ph~, 50Hz	Outdoor units		

Notes: 1. Product's cooling capacity as per specification.

	Nominal Cooling Capacity (kBtu/h)								
	76	96	120	150	180	192	240		
2	0		0						
	0			0		0			
unit	0								
	0		0	0		0			
2	0	0	0	0					
	0	0							
unit	0	0	0						
	0	0	0						
2		0	0		0		0		
unit		0							
		0	0						
2	0	0	0						
	0	0							
unit	0	0							
	0	0	0						

General Features



General Features for Normal Conventional Split A/C Series

Convenient for unit selection General

Features for Normal Conventional Split A/C Series

Wide cooling capacity range

↔ Wide cooling capacity range. The duct type split A/C is from 76,000Btu/h to 240,000Btu/h.

Long piping length

Max. equivalent piping length is 50m. The outdoor unit can be installed at any ventilation locations. (Unavailable for AHU type)



Max. betwe and ou

Outstanding reliability

Durable construction

- Pre-painted exterior cabinet panels pass 1000 hours Salt Spray Test for durability.
- * Weather-resistant construction with capped steams and sloped top panels.
- ✤ G90 galvanized heavy gauge plate conforming to ASTM-A-653.



		Permitted value
quivalent pipi	ng length	50 m
neight drop en indoor utdoor unit	Outdoor unit up	25 m
	Outdoor unit down	30 m



Anti-corrosion treatment as optional

* The large split air conditioners with special anti-corrosion treatment are suitable for seaside areas or the areas exposed to acidic substances.



- Special anti-corrosion treatment of heat exchanger provides 5 to 6 times greater resistance against acid rain and salt corrosion.
- ✤ All PCB parts in the unit are coated with double-side moisture proof paint. The outer side of electric box metal cover is spray-painted.
- ✤ All screws are anti-rust.
- ✤ Casings of the unit and motors are anti-rust.

Reliable scroll compressor

- ✤ Famous brand compressor: Hitachi, Danfoss, etc. More reliable.
- ↔ No complex internal suction and discharge valves for quieter operation and higher reliability.
- Compact, light-weight design, and fewer moving parts design.

Multi-protection design

 Multi-measurement to ensure units operate normally and reliably:

System current protection, High/low pressure switch protection, Temperature sensor on/off protection, etc.

Three-phase protector is optional.

Easy for installation

- Units are completely assembled, internally wired, charged outdoor unit with refrigerant at the factory.
- * The site work only needs to connect refrigerant pipes and communication wires between outdoor unit and indoor unit.



Flexible choise of accessories

Controllers

- * Wireless remote controller is available for conventional split A/C series.
- Wired controller can be directly connected to indoor unts.



- R51/CE
- Centralized control function can be achieved through the centralized controller as optional. MD-NIM01 should be connected between the indoor units and centralized controller.



Notes: The new DC inverter series don't need the MD-NIM01, connect to outdoor unit directly

Multi-accessories

Description	T1, D	Duct	Tropical (T3), Duct		Floor-standing	
Description	Standard	Optional	Standard	Optional	Standard	Optional
Filter		\checkmark		\checkmark	\checkmark	
Outlet drainage			\checkmark		\checkmark	
EHK (Electric Heater Kits)				\checkmark		
Three-phase protector		\checkmark		\checkmark		\checkmark
Wireless controller		\checkmark	\checkmark		\checkmark	
Wired controller	\checkmark					
Centralized controller						





11



Duct Indoor Unit Series

1000





Convenient installation

- ↔ Compact design. Concealed installation without floor space requirement.
- + Hidden in the ceiling, unit installation is not hindered by the location of lighting fixtures or room structure.
- Air inlet & outlet flange are standard for easy duct connection.
- Easy maintenance through the inspection port.

Free air duct design

- Multi diffusers from one indoor unit, air-conditioned multi rooms at the same time.
- Three speeds of air supply can be chosen via controller.
- * The indoor unit is suitable for various applications where there are many rooms or halls, such as restaurant, concert halls and hotels.
- ↔ Flexible duct design for different room styles.



















PTC Heater

T1 Application Medium static pressure duct, heat pump



MTB-76HWN1 MTB-120HWN1

Indoor unit model			MTB-76HWN1	MTB-120HWN1	
Outdoor unit model / Quantity			MOV-76HN1-R / 1	MOV-120HN1-R / 1	
Indoor unit power supply			220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	
	Conneitu	Btu/h	76,000	120,000	
Cooling	Capacity	kW	22.3	35.0	
Cooling	Input	kW	7.5	11.9	
	EER	W/W	2.97	2.94	
		Btu/h	85,300	129,700	
Unation	Capacity	kW	25.0	38.0	
Heating	Input	kW	8.3	12.7	
	COP	W/W	3.01	2.99	
Max. power input		W	1,300 (Indoor unit)	2,000 (Indoor unit)	
Max. current		A	5.2 (Indoor unit)	9.0 (Indoor unit)	
Air flow (Hi)		m³/h	4,250 (2,500CFM)	6,375 (3,750CFM)	
Standard external	static pressure	Pa	100	100	
Noise level (Hi)		dB(A)	56	63	
[an	Туре		Centrifugal	Centrifugal	
Fan	Drive type		Direct	Direct	
Coil	1		Copper tube and aluminum fin	Copper tube and aluminum fin	
Controller			Wired controller	Wired controller	
Dimension	Net (W×H×D)	mm	1,452×462×797	1,452×462×797	
Dimension	Packing (W×H×D)	mm	1,555×500×875	1,555×500×875	
Net / Gross weight		kg	94 / 106	97 / 109	

Notes:

1. Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Specifications are subject to change without prior notice for product improvement.

Specifications



MOV-76HN1-R

Outdoor unit model			MOV-76HN1-R	MOV-120HN1-R
Outdoor unit power supply			380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz
Max. power input		kW	11.7 (Outdoor unit)	17.3 (Outdoor unit)
Max. current		A	19.3 (Outdoor unit)	28.6 (Outdoor unit)
Noise level		dB(A)	68	69
Compressor (Type / Quantity)			Scroll / 1	Scroll / 1
Refrigerant (Type / Quantity)			R410A / 5.4kg	R410A / 7.5kg
Fan type / Drive type			Axial / Direct	Axial / Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin
Refrigerant piping size		mm	Φ9.52 (Liquid), Φ22 (Gas)	Φ12.7 (Liquid), Φ28.6 (Gas)
Ambiant tomporatura	Cooling	°C	17~46	17~46
Ambient temperature	Heating	°C	-7~24	-7~24
Dimension	Body (W×H×D)	mm	1,260×908×700	1,260×908×700
Dimension	Packing (W×H×D)	mm	1,320×1,060×730	1,320×1,060×730
Net / Gross weight		kg	174 / 193	201/217

Notes:

1. Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Specifications are subject to change without prior notice for product improvement.



MOV-120HN1-R

17

Specifications

T1 Application

High static pressure duct, heat pump





MHB-76HWN1

MHA-150HWN1 MHA-192HWN1

Indoor unit model		MHB-76HWN1	MHA-150HWN1	MHA-192HWN1	
Outdoor unit model / Quantity		MOV-76HN1-R / 1	MOV-150HN1-R / 1	MOV-192HN1-R / 1	
Indoor unit power	r supply		220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz
Course in		Btu/h	76,000	150,100	192,000
Cooling	Сарасну	kW	22.3	44.0	56.3
Cooling	Input	kW	7.5	16.3	22.0
	EER	W/W	2.97	2.70	2.56
	Capacity	Btu/h	85,300	160,300	200,000
Heating	Сарасну	kW	25.0	47.0	58.6
neating	Input	kW	8.3	15.7	19.3
	COP	W/W	3.01	2.99	3.04
Max. power input W		W	1,300 (Indoor unit)	2,730 (Indoor unit)	4,690 (Indoor unit)
Max. current		A	5.2 (Indoor unit)	12.1 (Indoor unit)	20.9 (Indoor unit)
Air flow (Hi)		m³/h	4,250 (2,500CFM)	8,500 (5,000CFM)	10,800 (6,350CFM)
Standard external	static pressure	Pa	196	196	196
Noise level (Hi)		dB(A)	56	63	65
[an	Туре		Centrifugal	Centrifugal	Centrifugal
FdII	Drive type		Direct	Direct	Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Controller			Wired controller	Wired controller	Wired controller
Dimension	Net (W×H×D)	mm	1,452×462×797	1,988×669×906	1,988×669×906
DIMENSION	Packing (W×H×D)	mm	1,555×500×875	2,095×800×964	2,095×800×964
Net / Gross weigh	t	kg	94 / 106	208 / 220	215 / 230

Notes:

1. Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Specifications are subject to change without prior notice for product improvement.

Specifications





MOV-76HN1-R

MOV-150HN1-R

Outdoor unit model		MOV-76HN1-R MOV-150HN1-R		MOV-192HN1-R	
Outdoor unit power s	upply		380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz
Max. power input		kW	11.7 (Outdoor unit)	26.9 (Outdoor unit)	32.2 (Outdoor unit)
Max. current		A	19.3 (Outdoor unit)	47.9 (Outdoor unit)	53.8 (Outdoor unit)
Noise level		dB(A)	68	70	73
Compressor (Type / Q	uantity)		Scroll / 1	Scroll / 3	Scroll / 3
Refrigerant (Type / Qu	antity)		R410A / 5.4kg	R410A / 5.4kg R410A / 10.0kg	
Fan type / Drive type		Axial / Direct Axial / Direct		Axial / Direct	
Coil		Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin	
Refrigerant piping size	2	mm	Φ9.52 (Liquid), Φ22 (Gas) Φ16 (Liquid), Φ32 (Gas)		Φ16 (Liquid), Φ35 (Gas)*
Ambient temperature	Cooling	°C	17~46	17~46	17~46
Ampient temperature	Heating	°C	-7~24	-7~24	-7~24
Dimension	Body (W×H×D)	mm	1,260×908×700	1,250×1,615×765	1,390×1,615×765
Dimension	Packing (W×H×D)	mm	1,320×1,060×730	1,305×1,790×820	1,455×1,790×830
Net / Gross weight		kg	174 / 193	288 /308	320 / 336

Notes:

1. Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

2. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

3. Specifications are subject to change without prior notice for product improvement.
 *. The connection pipes between indoor and outdoor unit are Φ16/Φ35. The Φ32 stop valve of outdoor unit should be connected with the straight pipe packaged with outdoor unit to change to Φ35.





MOV-192HN1-R

Tropical (T3) Application Medium static pressure duct, heat pump





MTB1T-96HWN1



MTA-120HRN1

Indoor unit model		MTA-76HRN1	MTB1T-96HWN1	MTA-120HRN1	
Outdoor unit mo	del / Quantity		MOV-76HN1-C / 1	MOVTA-96HN1-R / 1	MOV-120HN1-C / 1
Indoor unit powe	r supply		220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz
		Btu/h	75,100 / 64,100	96,000 / 87,860	119,400 / 102,400
Cooling	Capacity (11/13)	kW	22.0 / 18.8	28.1 / 25.75	35.0 / 30.0
cooling	Input (T1/T3)	kW	7.5 / 8.85	9.6 / 15.00	12.0 / 13.25
	EER (T1)	W/W	2.93	2.93	2.92
	<i>c</i>	Btu/h	85,000	106,000	130,000
Heating	Capacity	kW	25.0	31.1	38.0
пеациу	Input	kW	8.3	10.3	12.6
СОР		W/W	3.01	3.02	3.02
Max. power input		W	11,700 (Whole units)	1,700 (Whole units) 1,400 (IDU)	
Max. current		A	19.3 (Whole units)	.3 (Whole units) 5.8 (IDU)	
Air flow (Hi)		m³/h	4,250 (2,500CFM)	5,100 (3,000CFM)	6,375 (3,750CFM)
Standard external	static pressure	Pa	100	100	150
Noise level (Hi)		dB(A)	58	56	63
Fan type / Drive ty	/pe		Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct
Coil		Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin	
Controller		Wireless controller	Wired controller	Wireless controller	
Dimension	Net (W×H×D)	mm	1,443×450×846	1452×462×797	1,988×669×906
Dimension	Packing (W×H×D)	mm	1,549×476×917	1,555×500×875	2,095×800×964
Net / Gross weigh	t	kg	105 / 120	97 / 109	188 / 220

Notes: 1. T1 cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. T3 cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 29°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

Specifications



MOV-76HN1-C MOVTA-96HN1-R

Outdoor unit model			MOV-76HN1-C	MOVTA-96HN1-R	MOV-120HN1-C
Outdoor unit power supply			380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz	380-400V, 3Ph~, 50Hz
Max. power input		kW	11.7 (Whole units)	14.4 (ODU)	17.3 (Whole units)
Max. current		A	19.3 (Whole units)	23.7 (ODU)	28.6 (Whole units)
Noise level		dB(A)	65	68	69
Compressor(Type / Quanti	ity)		Scroll / 1	Scroll / 1	Scroll / 1
Refrigerant(Type / Quantity)			R410A / 5.4kg R410A / 6.0kg		R410A / 7.2kg
Fan type / Drive type			Axial / Direct	Axial / Direct	Axial / Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Refrigerant piping size		mm	Φ9.52(Liquid), Φ22(Gas)	Φ12.7(Liquid), Φ25(Gas) #	Ф12.7(Liquid), Ф28.6(Gas)
	Cooling	°C	17~52	17~52	17~52
Ambient temperature	Heating	°C	-7~24	-7~24	-7~24
	Body (W×H×D)	mm	1,260×908×700	1,312×919×658	1,260×908×700
Dimension	Packing (W×H×D)	mm	1,320×1,060×730	1,320×1,060×730	1,320×1,060×730
Net / Gross weight		kg	174 / 193	177 /192	201 / 217

Notes:

Notes:
 #. Connection piping diameter is the inlet and outlet pipe of the indoor unit and stop valves of outdoor unit. When the length of the refrigerant pipe between indoor and outdoor is not more than 30m, please connect the straight pipes as the accessory in indoor and outdoor unit with liquid pipe joints to change the diameter of liquid pipes to Φ9.52. When the length of the refrigerant pipe is more than 30m and less than 50m, please connect the straight pipe (prepared in site) with gas pipe joints to change the diameter of gas pipe to Φ28.1.
 1. To cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

2. T3 cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 29°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

3. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

4. Specifications are subject to change without prior notice for product improvement.

19



MOV-120HN1-C

Tropical (T3) Application

Medium static pressure duct, cooling only











MTA-76CRN1

MTB1T-96CWN1

MTA-120CRN1

MTA-150CRN1

Indoor unit model			MTA-76CRN1	MTB1T-96CWN1	MTA-120CRN1	MTA-150CRN1
Outdoor unit mod	lel / Quantity		MOV-76CN1-C / 1	MOVTA-96CN1-R / 1	MOV-120CN1-C / 1	MOV-76CN1-C / 2
Indoor unit power	supply		220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz
		Btu/h	75,100 / 64,100	96,000 / 87,860	119,400 / 102,400	150,100 / 130,300
Castra	Capacity (T1/T3)	kW	22.0 / 18.8	28.1 / 25.75	35.0 / 30.0	44.0 / 38.2
Cooling	Input (T1/T3)	kW	7.5 / 8.85	9.6 / 15.0	12.0 / 13.25	15.1 / 18.00
	EER (T1)	W/W	2.93	2.93	2.92	2.91
		Btu/h	-	-	-	-
Lingting	Capacity	kW	-	-	-	-
Heating	Input	kW	-	-	-	-
	COP	W/W	-	-	-	-
Max. power input kW		11.7 (Whole units)	1.4 (IDU)	17.3 (Whole units)	21.2 (Whole units)	
Max. current		A	19.3 (Whole units)	5.8 (IDU)	28.6 (Whole units)	35.0 (Whole units)
Air flow (Hi)		m³/h	4,250 (2,500CFM)	5,100 (3,000CFM)	6,375 (3,750CFM)	7,650 (4,500CFM)
Standard external s	static pressure	Pa	100	100	150	150
Noise level (Hi)		dB(A)	58	56	63	68
Fan type / Drive ty	pe		Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct
Coil		Copper tube and aluminum fin				
Controller			Wireless controller	Wired controller	Wireless controller	Wireless controller
D	Net (W×H×D)	mm	1,443×450×846	1,452×462×797	1,988×669×906	1,988×669×906
Dimension	Packing (W×H×D)	mm	1,549×476×917	1,555×500×875	2,095×800×964	2,095×800×964
Net / Gross weight		kg	105 / 120	97 / 109	168 / 196	188 / 200

Notes:

1.T1 cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2.13 cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 29°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Specifications are subject to change without prior notice for product improvement.

Specifications



MOV-76CN1-C MOVTA-96CN1-R

Outdoor unit model		MOV-76CN1-C	MOVTA-96CN1-R	MOV-120CN1-C	
Outdoor unit powe	er supply		380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz 380-415V, 3Ph~, 50Hz	
Max. power input		kW	11.7 (Whole units)	14.4 (ODU)	17.3 (Whole units)
Max. current		A	19.3 (Whole units)	23.7 (ODU)	28.6 (Whole units)
Noise level		dB(A)	65	68	69
Compressor (Type / Quantity)			Scroll / 1	Scroll / 1	Scroll / 1
Refrigerant (Type / Charged)		R410A / 5.4kg	R410A / 6.0kg R410A / 7.2kg		
Fan type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Refrigerant piping	size	mm	Φ9.52 (Liquid), Φ22 (Gas)	Φ12.7 (Liquid), Φ25 (Gas) #	Φ12.7 (Liquid), Φ28.6 (Gas)
Ambient temperat	ure	°C	17~52	17~52	17~52
Body (W×H×D) mm		mm	1,260×908×700	1,312×919×658	1,260×908×700
Dimension Packing (W×H×D		mm	1,320×1,060×730	1,320×1,060×730	1,320×1,060×730
Net / Gross weight		kg	171 / 190	168 / 183	199 / 215

Notes:

#. Connection piping diameter is the inlet and outlet pipe of the indoor unit and stop valves of outdoor unit. When the length of the refrigerant pipe between indoor and outdoor is not more than 30m, please a. Connection pipel daries is the inter and outer pipe of the indoor unit and stop waves of outpool unit. When the length of the reingerant pipe between indoor and outpool is not inder than soft, presse connect the straight pipes as the accessory in indoor and outpool unit with liquid pipe joints to change the diameter of liquid pipes to Φ9.52. When the length of the refrigerant pipe is more than 30m and less than 50m, please connect the straight pipe (prepared in site) with gas pipe joints to change the diameter of gas pipe to Φ28.1.
 1. T1 cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.
 2. T3 cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 29°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

3. Specifications are subject to change without prior notice for product improvement.



MOV-120CN1-C

Tropical (T3) application

Medium static pressure duct, cooling only Outdoor unit power supply: 208-230V, 3Ph, 60Hz



MTA1-96CQN1

MTA1-120CQN1



MTA1-180CQN1 MTA1-240CQN1

Indoor unit model		MTA1-96CQN1		MTA1-120CQN1	
Outdoor unit model / Quantity			MOV-96CN1-X / 1	MOV-120CN1-X / 1	
Indoor unit pov	wer supply		208~230V, 1Ph~, 60Hz	208~230V, 1Ph~, 60Hz	
	Canadity (T1 (T2)	Btu/h	95,600 / 90,400	119,400 / 90,400	
Cooling		kW	28.0 / 26.50	35.0 / 29.50	
Cooling	Input (T1/T3)	kW	9.6 / 11.92	12.0 / 14.50	
	EER (T1)	W/W	2.92	2.92	
Max. power inp	but	W	1,700 (Indoor unit)	1,900 (Indoor unit)	
Max. current		A	8.4 (Indoor unit)	9.0 (Indoor unit)	
Air flow (Hi)		m³/h	5,100 (3,000CFM)	6,375 (3,750CFM)	
Standard exter	nal static pressure	Pa	100	150	
Noise level		dB(A)	56	58	
Fan type / Driv	e type		Centrifugal / Direct	Centrifugal / Direct	
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	
Controller			Remote controller	Remote controller	
Dimension	Net (W×H×D)	mm	1,452×462×797	1,988×669×906	
	Packing (W×H×D)	mm	1,555×500×875	2,095×800×964	
Net / Gross we	ight	kg	96 / 108	188 / 220	

Indoor unit model			MTA1-180CQN1	MTA1-240CQN1	
Outdoor unit i	model / Quantity		MOV-96CN1-X / 2	MOV-120CN1-X / 2	
Indoor unit po	wer supply		208~230V, 1Ph~, 60Hz	208~230V, 1Ph~, 60Hz	
	(apacity (T1/T2)	Btu/h	179,100 / 166,800	238,840 / 209,800	
Cooling		kW	52.5 / 48.94	70.0 / 61.50	
Cooling	Input (T1/T3)	kW	18.1 / 22.01	24.0 / 30.50	
	EER (T1)	W/W	2.90	2.92	
Max. power inp	out	W	2,500 (Indoor unit)	2,600 (Indoor unit)	
Max. current	Max. current A		12.5 (Indoor unit)	13.0 (Indoor unit)	
Air flow (Hi)	Air flow (Hi) m³/h		10,000 (5,880CFM)	12,000 (7,060CFM)	
Standard exter	nal static pressure	Pa	150	150	
Noise level		dB(A)	60	60	
Fan type / Driv	e type		Centrifugal / Direct	Centrifugal / Direct	
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	
Controller	Controller		Remote controller	Remote controller	
Dimension	Net (W×H×D)	mm	1,988×669×906	1,988×669×906	
Dimension	Packing (W×H×D)	mm	2,095×800×964	2,095×800×964	
Net / Gross we	ight	kg	190 / 217	193 / 220	

Specifications



MOV-96CN1-X

Outdoor unit model			MOV-96CN1-X	MOV-120CN1-X	
Outdoor unit powe	er supply		208~230V, 3Ph~, 60Hz	208~230V, 3Ph~, 60Hz	
Max. power input		W	16,700 (Outdoor unit)	18,200 (Outdoor unit)	
Max. current		A	44.4 (Outdoor unit)	53.1 (Outdoor unit)	
Noise level		dB(A)	69	70	
Compressor (Type	/ Quantity)		Scroll / 1	Scroll / 1	
Refrigerant (Type / Charged)			R410A / 6.5kg	R410A / 7.5kg	
Fan type / Drive type			Axial / Direct	Axial / Direct	
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	
Refrigerant piping	size	mm	Φ9.52 (Liquid), Φ22 (Gas)	Φ12.7 (Liquid), Φ25 (Gas)	
Ambient temperat	ure	°C	17~52	17~52	
	Body (W×H×D)	mm	1,260×908×700	1,260×908×700	
Dimension	Packing (W×H×D)	mm	1,320×1,060×730	1,320×1,060×730	
Net / Gross weight		kg	187 / 204	199 / 215	

Notes:

1. T1 Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. T3 Cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 29°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

Specifications are subject to change without prior notice for product improvement.



MOV-120CN1-X

Tropical (T3) Application

High static pressure duct, heat pump & cooling only



Heat pump: MHB-76HRN1 Cooling only: MHB-76CRN1



Heat pump: MHB1T-96HWN1 Cooling only: MHB1T-96CWN1

Indoor unit mode	I		MHB-76HRN1	MHB1T-96HWN1	MHB-76CRN1	MHB1T-96CWN1
Outdoor unit model / Quantity			MOV-76HN1-C / 1	MOVTA-96HN1-R / 1	MOV-76CN1-C / 1	MOVTA-96CN1-R / 1
Indoor unit power	supply		220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz
	C	Btu/h	75,100 / 64,100	96,000 / 87,860	75,100 / 64,100	96,000 / 87,860
Cooling	Capacity (11/13)	kW	22.0 / 18.8	28.1 / 25.75	22.0 / 18.8	28.1 / 25.75
Cooling	Input (T1/T3)	kW	7.5 / 8.85	9.6 / 15.00	7.5 / 8.85	9.6 / 15.00
	EER (T1)	W/W	2.93	2.93	2.93	2.93
		Btu/h	85,000	106,000	-	-
11. after	Capacity	kW	25.0	31.1	-	-
Heating	Input	kW	8.3	10.3	-	-
	COP	W/W	3.01	3.02	-	-
Max. power input kW		kW	11.7 (Whole units)	1.4 (IDU)	11.7 (Whole units)	1.4 (IDU)
Max. current A		A	19.3 (Whole units)	5.8 (IDU)	19.3 (Whole units)	5.8 (IDU)
Air flow (Hi)		m³/h	4,250 (2,500CFM)	5,100 (3,000CFM)	4,250 (2,500CFM)	5,100 (3,000CFM)
Standard external	static pressure	Pa	196	196	196	196
Noise level (Hi)		dB(A)	58	56	58	56
Fan type / Drive ty	pe		Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct
Coil			Copper tube and aluminum fin			
Controller		Wireless controller	Wired controller	Wireless controller	Wired controller	
Dimension	Net (W×H×D)	mm	1,443×450×846	1,452×462×797	1,443×450×846	1,452×462×797
Dimension	Packing (W×H×D)	mm	1,549×476×917	1,555×500×875	1,549×476×917	1,555×500×875
Net / Gross weight		kg	105 / 120	97 / 109	105 / 120	97 / 109

Notes:

1. T1 cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. T3 cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 29°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Specifications are subject to change without prior notice for product improvement.

Outdoor unit model			MOV-76HN1-C	MOVTA-96HN1-R	MOV-76CN1-C	MOVTA-96CN1-R
Outdoor unit power supply			380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz
Max. power	input	kW	11.7 (Whole units)	14.4 (ODU)	11.7 (Whole units)	14.4 (ODU)
Max. current	:	A	19.3 (Whole units)	23.7 (ODU)	19.3 (Whole units)	23.7 (ODU)
Noise level		dB(A)	65	68	65	68
Compressor(Type / Quantity)			Scroll / 1	Scroll / 1	Scroll / 1	Scroll / 1
Refrigerant(Type / Quantity)			R410A / 5.4kg	R410A / 6.0kg	R410A / 5.4kg	R410A / 6.0kg
Fan type / Drive type			Axial / Direct	Axial / Direct	Axial / Direct	Axial / Direct
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Refrigerant p	biping size	mm	Φ9.52(Liquid), Φ22(Gas)	Φ12.7(Liquid), Φ25(Gas) #	Φ9.52(Liquid), Φ22(Gas)	Φ12.7(Liquid), Φ25(Gas) #
Ambient temperature °C		17~52(Cooling) / -7~24(Heating)	17~52(Cooling) / -7~24(Heating)	17~52(Cooling)	17~52(Cooling)	
Body (W×H×D) r		mm	1,260×908×700	1,312×919×658	1,260×908×700	1,312×919×658
Dimension	Packing (W×H×D)	mm	1,320×1,060×730	1,320×1,060×730	1,320×1,060×730	1,320×1,060×730
Net / Gross v	weight	kg	174 / 193	177 /192	171 / 190	168 /183

Notes:

Specifications

#. Connection piping diameter is the inlet and outlet pipe of the indoor unit and stop valves of outdoor unit. When the length of the refrigerant pipe between indoor and outdoor is not more than 30m, please connect the straight pipes as the accessory in indoor and outdoor unit with liquid pipe joints to change the diameter of liquid pipes to Φ9.52. When the length of the refrigerant pipe is more than 30m and less than 50m, please connect the straight pipe (prepared in site) with gas pipe joints to change the diameter of gas pipe to Φ28.1. 1. T1 cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. T3 cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 29°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 4. Specifications are subject to change without prior notice for product improvement.

Heat pump:

- MOV-76HN1-C MOVTA-96HN1-R
- Cooling only:
- MOV-76CN1-C MOVTA-96CN1-R

Floor-standing Indoor Unit Seires





Strong wind, long distance air supply



Touch screen control



Washable inlet air filter

Midea













PTC Heater

Optiona

T1 Application Heat pump



Tropical (T3) Application Heat pump

Indoor unit model			MFA-76HRN1	MFA3T-96HRN1
Outdoor unit	Outdoor unit model / Quantity Indoor unit power supply		MOV-76HN1-C / 1	MOVTA-96HN1-R / 1
Indoor unit po			220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz
	Саларіі (Д1 Д2)	Btu/h	75,100 / 64,800	96,000 / 87,860
Cooling	Capacity (11/13)	kW	22.0 / 19.0	28.1 / 25.75
Cooling	Input (T1/T3)	kW	7.5 / 8.98	9.6 / 15.00
	EER (T1)	W/W	2.93	2.93
	Capacity	Btu/h	85,000	106,000
Heating	Capacity	kW	25.0	31.1
Heating	Input	kW	8.3	10.3
	COP	W/W	3.01	3.02
Max. power in	put	kW	11.7 (Whole units)	0.7 (IDU)
Max. current		A	19.3 (Whole units)	3.0 (IDU)
Air flow (Hi)		m³/h	4,250 (2,500CFM)	5,100 (3,000CFM)
Noise level		dB(A)	58	56
Fan type / Driv	ve type		Centrifugal / Direct	Centrifugal / Direct
Coil	Coil		Copper tube and aluminum fin	Copper tube and aluminum fin
Controller	Controller		Remote controller	Remote controller
D:	Net (W×H×D)	mm	1,200×1,860×518	1,200×1,860×518
Dimension	Packing (W×H×D)	mm	1,362×2,050×582	1,362×2,050×582
Net / Gross we	eight .	kg	138 / 153	140 / 155

Outdoor unit model			MOV-76HN1-C	MOVTA-96HN1-R	
Outdoor unit pow	ver supply		380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz	
Max. power input		kW	11.7 (Whole units)	14.4 (ODU)	
Max. current		Α	19.3 (Whole units)	23.7 (ODU)	
Noise level		dB(A)	65	68	
Compressor (Type	e / Quantity)		Scroll / 1	Scroll / 1	
Refrigerant (Type	/ Quantity)		R410A / 5.4kg	R410A / 6.0kg	
Fan type / Drive type			Axial / Direct	Axial / Direct	
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	
Refrigerant piping	ı size	mm	Φ9.52 (Liquid), Φ22 (Gas)	Φ12.7 (Liquid), Φ25 (Gas) #	
Ambient tempera	ture	°C	17~52 (Cooling) / -7~24 (Heating)	17~52 (Cooling) / -7~24 (Heating)	
Dimonsion	Body (W×H×D)	mm	1,260×908×700	1,312×919×658	
Dimension	Packing (W×H×D)	mm	1,320×1,060×730	1,320×1,060×730	
Net / Gross weight kg		kg	174 / 193	177 /192	

Notes:

#. Connection piping diameter is the inlet and outlet pipe of the indoor unit and stop valves of outdoor unit. When the length of the refrigerant pipe between indoor and outdoor is not more than 30m, please connect the straight pipes as the accessory in indoor and outdoor unit with liquid pipe joints to change the diameter of liquid pipes to Φ 9.52. When the length of the refrigerant pipe is more than 30m and less than 50m, please connect the straight pipe (prepared in site) with gas pipe joints to change the diameter of gas pipe to Φ 28.1. 1. T1 cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

2. T3 cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 20°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m.

4. Specifications are subject to change without prior notice for product improvement.

Indoor unit model			MFA2-76HRN1	
Outdoor unit model / Quanti	ity		MOV-76HN1-R / 1	
Indoor unit power supply			220-240V, 1Ph~, 50Hz	
	Capacity	Btu/h	76,000	
Cooling	Capacity	kW	22.3	
Cooling	Input	kW	7.5	
	EER	W/W	2.97	
	Capacity	Btu/h	85,300	
Heating	Capacity	kW	25.0	
heating	Input	kW	8.3	
	COP	W/W	3.01	
Max. power input		W	700 (Indoor unit)	
Max. current		A	3.0 (Indoor unit)	
Air flow (Hi)		m³/h	4,300 (2,530CFM)	
Noise level		dB(A)	56	
Fan type / Drive type			Centrifugal / Direct	
Coil			Copper tube and aluminum fin	
Controller			Remote controller	
Dimension	Net (W×H×D)	mm	1,200×1,860×518	
Dimension	Packing (W×H×D)	mm	1,362×2,050×582	
Net / Gross weight	·	kg	130 / 145	



Outdoor unit model			MOV-76HN1-R	
Outdoor unit power supply			380-415V, 3Ph~, 50Hz	
Max. power input		kW	11.7 (Outdoor unit)	
Max. current		A	19.3 (Outdoor unit)	
Noise level		dB(A)	68	
Compressor (Type / Quantity)			Scroll / 1	
Refrigerant (Type / Quantity)			R410A / 5.4kg	
Fan type / Drive type			Axial / Direct	
Coil			Copper tube and aluminum fin	
Refrigerant piping size		mm	Φ9.52 (Liquid), Φ22 (Gas)	
Ambient temperature		°C	17~46 (Cooling) / -7~24 (Heating)	
Dimension	Body (W×H×D)	mm	1,260×908×700	
Dimension	Packing (W×H×D)	mm	1,320×1,060×730	
Net / Gross weight	Net / Gross weight kg		174 / 193	
Notes:				

1. Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Specifications are subject to change without prior notice for product improvement.







Tropical (T3) Application Cooling only



Indoor unit model			MFA-76CRN1	MFA3T-96CRN1	MFAT-120CRN1	
Outdoor unit m	odel / Quantity		MOV-76CN1-C / 1	MOVTA-96CN1-R / 1	MOV-120CN1-C / 1	
Indoor unit pow	er supply		220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	220-240V, 1Ph~, 50Hz	
	(Btu/h	75,100 / 64,800	96,000 / 87,860	121,000 / 110,900	
Cooling	Capacity (11/13)	kW	22.0 / 19.0	28.1 / 25.75	35.0 / 32.5	
Cooling	Input (T1/T3)	kW	7.5 / 8.98	9.6 / 15.00	13.0 / 15.50	
	EER (T1)	W/W	2.93	2.93	2.69	
	Connecitu	Btu/h	-	-	-	
Heating	Capacity	kW			-	
Heating	Input	kW			-	
	COP	W/W	-	-	-	
Max. power input kW		kW	11.7 (Whole units)	0.7 (IDU)	17.3 (Whole units)	
Max. current		A	19.3 (Whole units)	3.0 (IDU)	28.6 (Whole units)	
Air flow (Hi)		m³/h	4,250 (2,500CFM)	5,100 (3,000CFM)	6,060 (3,560CFM)	
Noise level		dB(A)	58	56	65	
Fan type / Drive	type		Centrifugal / Direct	Centrifugal / Direct	Centrifugal / Direct	
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin	
Controller			Remote controller	Remote controller	Remote controller	
D	Net (W×H×D)	mm	1,200×1,860×518	1,200×1,860×518	1,200×1,860×518	
Dimension	Packing (W×H×D)	mm	1,362×2,050×582	1,362×2,050×582	1,362×2,050×582	
Net / Gross weig	ht	kg	138 / 153	140 / 155	148 / 163	



					a the
Outdoor unit mod	del		MOV-76CN1-C	MOVTA-96CN1-R	MOV-120CN1-C
Outdoor unit pow	er supply		380-415V, 3Ph~, 50Hz	380-415V, 3Ph~, 50Hz	380-400V, 3Ph~, 50Hz
Max. power input		kW	11.7 (Whole units)	14.4 (ODU)	17.3 (Whole units)
Max. current		A	19.3 (Whole units)	23.7 (ODU)	28.6 (Whole units)
Noise level		dB(A)	65	68	69
Compressor (Type / Quantity)		Scroll / 1	Scroll / 1	Scroll / 1	
Refrigerant (Type / Charged)		R410A / 5.4kg	R410A / 6.0kg R410A / 7.2kg		
Fan type / Drive type		Axial / Direct	Axial / Direct	Axial / Direct	
Coil			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Refrigerant piping	size	mm	Φ9.52 (Liquid), Φ22 (Gas)	Φ12.7 (Liquid), Φ25 (Gas) #	Φ12.7 (Liquid), Φ28.6 (Gas)
Ambient temperature °C		°C	17~52	17~52	17~52
Diamatan	Body (W×H×D)	mm	1,260×908×700	1,312×919×658	1,260×908×700
Dimension	Packing (W×H×D)	mm	1,320×1,060×730	1,320×1,060×730	1,320×1,060×730
Net / Gross weight	t	kg	171 / 190	168 / 183	199 / 215

Notes

#. Connection piping diameter is the inlet and outlet pipe of the indoor unit and stop valves of outdoor unit. When the length of the refrigerant pipe between indoor and outdoor is not more than 30m, please A connection pipel danteer is the mate and outer pipe of the indoor unit and stop waves of outer of the religion of the religion

3. Heating capacity test condition: Outdoor ambient temperature: 7°C DB / 6°C WB, indoor temperature 20°C DB / 15°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 4. Specifications are subject to change without prior notice for product improvement.

Specifications

Tropical (T3) application Outdoor unit power supply: 208-230V, 3Ph, 60Hz

Indoor unit mode	ł		
Outdoor unit mod	del / Quantity		
Indoor unit power	supply		
	(Btu/h	
Cooling	Capacity (11/13)	kW	
Cooling	Input (T1/T3)	kW	
	EER (T1)	W/W	
Max. power input	(Whole units)	W	
Max. current (Who	le units)	A	
Air flow (Hi)		m³/h	
Standard external	static pressure	Pa	
Noise level		dB(A)	
Fan type / Drive ty	rpe		
Coil			
Controller			
Dimension	Net (W×H×D)	mm	
Dimension	Packing (W×H×D)	mm	
Net / Gross weight	t	kg	

Outdoor unit model			MOV-96CN1-X	
Outdoor unit power supply			208~230V, 3Ph~, 60Hz	
Max. power input W		W	16,700 (Outdoor unit)	
Max. current A		A	44.4 (Outdoor unit)	
Noise level dB		dB(A)	69	
Compressor (Type / Quantity)			Scroll / 1	
Refrigerant (Type / Charged)			R410A / 6.5kg	
Fan type / Drive type			Axial / Direct	
Coil			Copper tube and aluminum fin	
Refrigerant piping size		mm	Φ9.52 (Liquid), Φ22 (Gas)	
Ambient temperature		°C	17~52	
Dimension	Body (W×H×D)	mm	1,260×908×700	
	Packing (W×H×D)	mm	1,320×1,060×730	
Net / Gross weight		kg	187 / 204	

Notes:

1. T1 Cooling capacity test condition: Outdoor ambient temperature: 35°C, indoor temperature 27°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 2. T3 Cooling capacity test condition: Outdoor ambient temperature: 46°C, indoor temperature 29°C DB / 19°C WB; refrigerant pipe length between indoor unit and outdoor unit is 7.5m. 3. Specifications are subject to change without prior notice for product improvement.



MFA1-96CRN1	
MOV-96CN1-X / 1	
208~230V, 1Ph~, 60Hz	
95,500 / 90,400	
28.0 / 26.50	
9.6 / 11.92	
2.92	
1,700 (Indoor unit)	
8.4 (Indoor unit)	
5,100 (3,000CFM)	
\	
56	
Centrifugal / Direct	
Copper tube and aluminum fin	
Remote controller	
1,200×1,860×518	
1,362×2,050×582	
140 / 155	



Floor-standing Indoor Unit Series

Dimensions

T1 application

Duct indoor unit: MTB-76HWN1, MTB-120HWN1, MHB-76HWN1, (Units: mm)





т

T1 application Duct indoor unit: MHC1-76HWD1N1, MHC-75HWD1N1(A), MHC-96HWD1N1, MHC-96HWD1N1(A) (Units: mm)





T1 application Duct indoor unit: MHA-150HWN1, MHA-192HWN1 (Units: mm)





Tropical (T3) application Duct indoor unit: MTA-76HRN1, MTA-76CRN1 MHB-76HRN1, MHB-76CRN1 (Units: mm)



Tropical (T3) application

Duct indoor unit: MTB1T-96HWN1, MTB1T-96CWN1 MHB1T-96HWN1, MHB1T-96CWN1, MTA1-96CQN1 (Units: mm)



Tropical (T3) application Duct indoor unit: MTA-120HRN1, MTA-120CRN1, MTA1-120CQN1 (Units: mm)



Tropical (T3) application Duct indoor unit: MTA-150CRN1 MTA1-180CQN1,MTA1-240CQN1 (Units: mm)











Dimensions

34

T1 & Tropical (T3) application

Floor-standing indoor unit: MFA2-76HRN1, MFA-76HRN1, MFA-76CRN1,

MFA3T-96HRN1, MFA3T-96CRN1, MFA1-96CRN1, MFAT-120CRN1, MFA-96CRDN1-V, MFA-76CRDN1-V (Units: mm)





T1 & Tropical (T3) application

Outdoor unit: MOV-76HN1-R, MOV-76HN1-C, MOV-76CN1-C (Units: mm)



T1 & Tropical (T3) application Outdoor unit: MOVTA-96HN1-R, MOVTA-96CN1-R (Units: mm)



T1 & Tropical (T3) application Outdoor unit: MOV-120HN1-R, MOV-120HN1-C, MOV-120CN1-C (Units: mm)









T3 application, 208~230V/380V 3Ph~ 60Hz Outdoor unit: MOV-96CN1-X (Units: mm)



T3 application, 208~230V/380V 3Ph~ 60Hz Outdoor unit: MOV-120CN1-X (Units: mm)



T1 application Outdoor unit: MOV-150HN1-R (Units: mm)



T1 application Outdoor unit: MOV-192HN1-R (Units: mm)



35









Dimensions

Controllers

6 9		k 8	
28	E 000	00:00	
	- UI VI 44	-111	
8 * % 8 AR	A2	٢	
	0	-	
100	V 2	()/OK	



Remote Controller - R51



Parameter

Model: R51/CE (Cooling only type) R51/E (Heat pump type) Dimension (mm): 140×60×15 Power: 1.5V (LR03/AAA)×2

Standard features

- * It provides a convenient way for users to control the air conditioners everywhere within a range up to 11m.
- * Built-in daily timer offers the convenience of automatically starting and turning down the air conditioners according to the set time.

Wired Controller - KJR-29B



Standard features

- * Keyboard locking function as standard, it can be used to prevent other people from using the controller.
- Built-in daily timer offers the convenience of automatically starting and turning down the air conditioners according to the set time.

Remote signal receiving function

- * KJR-29B provides a signal receiver to receive the signal from remote controller.
- * The received signal can be directly sent to the indoor unit by wired controller. It is convenient to control the air conditioner.

	Guain	
6- 8 107 1040		27 B
28	38	0000
	25.00	Dia
Patt	AF.	0
430	e	49
N.	A1	41 CH

Silent mode

* During the operating, when operate the silent mode, the units can reduce the running noise through setting the fan speed to low automatically. It will help you bring a quieter environment.

RM05



Parameter

Model: RM05 Dimension (mm): 150×65×20 Power: 1.5V (LR03/AAA)×2

Parameter

- Model: KJR-29B (Touch-style key)
- Dimension (mm): 120×120×20
- Power: From the display panel,
- extra power is unnecessary.

