New Refrigerant 50Hz

Residential Air Conditioners

2011

The International Division
Midea Air Conditioning and Refrigeration Sector

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Corporate Introduction

Midea Group

From its humble beginnings in 1968, Midea has developed into a large corporation, covering HVAC, appliances, lighting, industrial components, logistics, and real estate. Its 40 years of relentless growth has brought its global turnover to $14 billion USD in 2009. Consequently, Midea has created over 150,000 jobs both within China and all over the world. In addition to providing affordable goods to consumers worldwide, Midea is also a responsible corporate citizen, and has contributed to several social causes.

Midea believes in creating value through rapid response to market demands, cost-efficient operations and consumer satisfaction. As a result, Midea wields vast production capacities to meet these demands, a fully integrated manufacturing process, and a comprehensive range of affordable, high-quality products to serve its global customers.

Today, Midea is a home appliance leader in China. The company continues to actively globalize its operation by opening plants in Vietnam, Belarus and Egypt, as well as several forthcoming plants in the future in order to be closer to the market and offer better products and services.

Midea TID

As a key part of Midea Group, The International Division (TID) of Midea Air-conditioning and Refrigeration Sector is a comprehensive export platform for residential/commercial air-conditioner, washing machine, refrigerator and heat pump water heater, providing best class service to customers worldwide.

Attribute to the belief and core value of "Safety, Quality, Cost, Efficiency", Midea TID has achieved significant growth in global market and successfully maintains its leadership in RAC, CAC, washing machine and refrigerator exports. With its competitive advantages of innovation, production capacity and dedicated services, Midea TID is nowadays regarded as a leading white goods supplier in the international market.

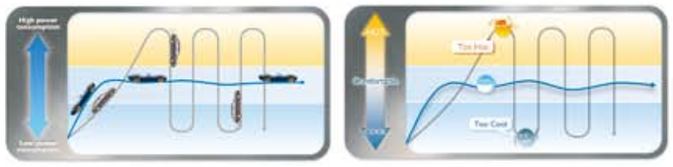
High Efficiency

3D DC Inverter

With the combination of advanced inverter driving technology, EEV metering device and DC twin-rotary compressor, the desired super high efficiency air conditioning system is possible.

Electronic Expansion Valve

Compared with conventional throttling by utilizing capillary, Electronic Expansion Valve (EEV) makes the refrigerant volume reasonable in the air conditioner system. Under the control of microcomputer, this device throttles up or down the refrigerant precisely according to the actual load situation, which optimizes the use of heat exchanger and improves energy efficiency. Furthermore, EEV extends the flexibility of the air conditioner, improves performance under different temperature condition especially heating operation in extreme low temperature, also makes the room temperature control more precise.



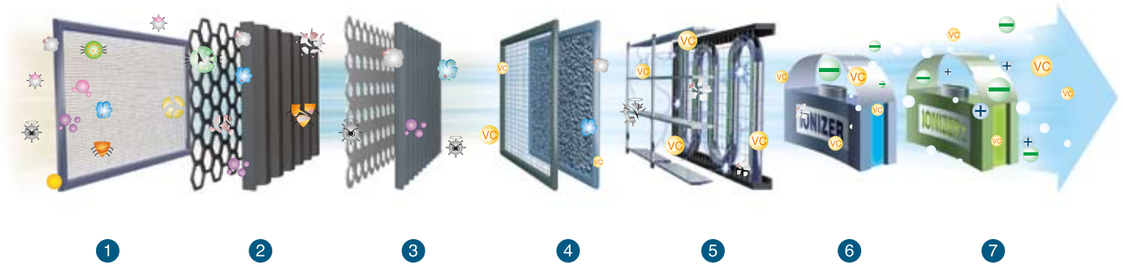
DC Inverter 180° Sine Wave

Compared with 120°Square Wave DC Inverter driving technology, the new 180° Sine Wave DC inverter driving technology has considerable advantages:

1. Applicable much wider range of frequency and voltage
2. More efficient and energy saving
3. Smooth running, low noise and vibration
4. More reliable in operation

Break through in inverter technology

Fresco Tech



Midea's Fresco Tech brings you clean and refreshing air and fills your room with the soothing scent of nature.

1. Silver Ion Filter

The Silver ion can kill bacteria or prevent their activity at very low density by destroying their inner-configuration and absorbing their elements in cells. Meanwhile, the Nano Silver attached on the filter release the Silver ion constantly to eliminate bacteria effectively.

2. Active Carbon

Active Carbon Electrostatic Fiber Filter is made of Active Carbon and Electrostatic Fiber Filter.
Active Carbon Filter eliminates certain kinds of odors such as ammonia (NH3) and deactivates harmful chemical gas such as formaldehyde(HCHO).
By forming positive positions on the filter surface, Electrostatic Fiber Filter traps small dust particles, smoke and pet fur to prevent allergic reactions.

3. Vitamin C Filter

The Vitamin C filter fills the air with vitamin C, which softens the skin and reduces stress. The lifetime of the Vitamin C filter is approximately two years.

4. Bio Filter

Bio Filter consists of a specialized biological enzyme and Eco filter.
The Eco filter catches very small airborne dust particles and neurilities bacteria, fungi and microbes.
Biological enzyme eliminates bacteria by dissolving their cell wall thus eliminating the problem of re-pollution.

5. Plasma Dust collector

The Plasma Dust Collector can generate an ionization zone. The air is converted to plasma as it passes the high voltage ion generator. 95% of the dust, smoke, and pollen particles are attracted to the electrostatic filter.

6. Ionizer

Anions can take care of your body
Anions can stimulate the blood circulation system, improve lung function and effectively prevent respiratory passage illnesses (Such as asthma and pneumonia).

7. Super Ionizer

Cutting edge technology releases Sterionizer to change surrounding bacteria structure,hence minimize bacteria level.The super Ionizer purifies the air and improve oxygen quality.

Environment Concern

Environment protection is a hot topic all over the world.
Environment concern is our responsibility and working philosophy.
Work together with TUV, we take actions to comply European new REACH and Eup. directive.

RoHS

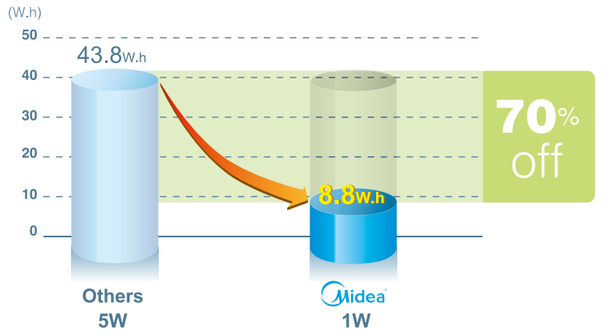
SGS APPROVED R-410 A Intellectual Property Audit www.sgs.com

Honeywell APPROVED R-410 A Intellectual Property Audit

Features

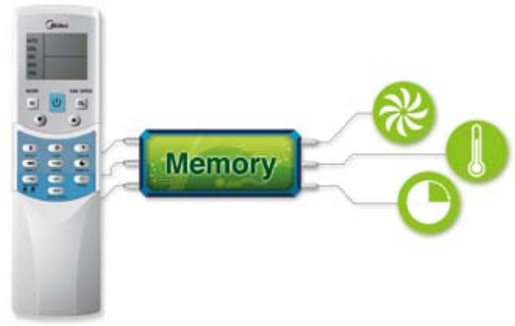
1W Standby

Intelligent on-off technology enables Midea products automatically enter energy-saving mode when standby, cut energy consumption from normal 4-5W to 1W which counts 70% of saving.



Remote Control

After you finish setting the air conditioner through remote control, the remote control can remember all the setting parameters itself. Next time when you start the unit with remote control, the unit will run under the mode that recorded You don't need to set the parameters again, and enjoy more convenience.



Health

Silver Ion Filter
The Silver Ion, released from the Nano Silver that attached on the filter, can kill bacteria or deactivate them at very low density effectively and continuously by destroying their inner-configuration and absorbing their elements in cells.

Bio Filter
Bio filter consists of a specialized biological enzyme and Eco filter. The Eco filter catches very small airborne dust particles and neurilities bacteria, fungi and microbes. Biological enzyme kills bacteria by dissolving their cell wall thus eliminating the problem of re-pollution.

Vitamin C Filter
The Vitamin C filter fills the air with Vitamin C, which softens the skin and reduce stress. The lifetime of this filter is approximately 2 years.

Active Carbon Filter
The filter is made up of Active Carbon layer and Electrostatic Fiber layer. Active Carbon eliminates certain kinds of odors such as ammonia (NH3) and deactivates harmful chemical gas like formaldehyde (HCHO). By forming positive electrode on the filter surface, Electrostatic Fiber layer traps small dust particles, smoke and pet fur to preventallergic reaction.

Plasma Dust Collector
The Plasma Dust Collector generates an high voltage electrostatic field. The air passing through this zone is converted to plasma, and 95% of the dust, smoke and pollen particles are attracted to the electrostatic filter.

Ionizer
Anions, always be found in forest or beside waterfall, can stimulate the blood circulation system in people's body, improve lung function and effectively prevent respiratory passage illnesses (such as asthma and pneumonia).

Self-Cleaning
When this function is activated, firstly the indoor unit operates as cooling mode with low fan speed, during this period the condensed water will take some dust on evaporator fins away. After that the unit turns to heating operation with low fan speed, which drys the inside of indoor unit. Finally it turns to fan-only mode and blows away the wet air. The whole process cleans the internal side of indoor unit and prevents the breeding of bacteria.

Comfort

8°C Heating
In heating operation, the preset temperature of the air conditioner can be as lower as 8°C, which keeps the room temperature steady at 8°C for in winter.

PTC Auxiliary Heating
With a built-in PTC device, the heating operation is more powerful even in some extreme cold area.

Anti-Cold-Air (Heat Pump Only)
When starting the heating operation, the fan speed is regulated automatically from the lowest grade to the preset level, according to the temperature rising of evaporator. This function can prevent cold air blowing out at the beginning of the operation, which avoids the discomfort to the user.

Low Noise Airflow System
Without decreasing the airflow volume and capacity output, large diameter cross flow fan can bring down the indoor unit noise level by lowering the fan speed.

Turbo Operation
With this function, the air conditioner will maximize the output of cooling or heating capacity, make the room cool down or heat up rapidly, and attain the desired temperature in the shortest time.

Wide-Angle Airflow
The design of large louvers, with wide swing angle range, Guiding the cool or warm air to every corner of the room.

Temperature Compensation
Based on different installation height of indoor unit, the temperature deviation of the sensor sensed against the actual floor temperature always is different. Changing the jumping wires combination on the indoor PCB is possible to compensate the deviation. This could be achieved by installer in the installation field.

Independent Dehumidification
The individual dehumidification mode dehumidifies the room efficiently, but not lower the temperature so obviously as cooling operation.

Follow Me
With this function, the temperature sensor built in remote controller is activated and replaces the sensor of in indoor unit. Then the air conditioner will control the room temperature based on temperature around the remote controller, just like the air conditioner is following the user.

Two-Direction Airflow
Due to the density of cold and warm air is different, in cooling mode the indoor unit blows out cool air horizontally while vertically of that in heating mode. This technology makes the room temperature more consisten and comfortable during the operation.

LCD Display
Control panel of indoor unit adopts LCD display.

Auto Changeover
In this mode, the air conditioner changes operation modes and capacity output automatically according to different preset and room temperature.

Reliability

PTC Heating Belt
With a PTC heating belt fitted on the base plate of the outdoor unit, the rain, snow or defrosted water accumulating on the base plate is avoided.

Low Ambient Kit
The air conditioner with a special built-in Low Ambient Kit can be used in temp. as low as 15°C for cooling operation.

Self-diagnosis Function
Monitoring some abnormal operations or parts failures, microcomputer of the air conditioner will switch off and protect the system automatically. Meanwhile, the error or protection code will be displayed on the indoor unit.

Soft-start Kit
With this kit, the big capacity units, especially for the type of consuming single phase power, will reduce starting current and weaken the impact to power grid significantly.

Valve Protection Cover
The cover protects the valves against impact during transportation. Furthermore, it also prevents the condensed water on the valve from dripping.

Two-speed Outdoor Fan Motor
With Two-speed Outdoor Fan Motor, the applicable temperature ranges of the outdoor unit are widened for both cooling and heating operation.

Energy Saving

Trapeziform Innergroove Copper Piping
Compared with the traditional copper piping, it allow more refrigerant to go through, improving heat exchange efficiency and lowering power consumption while keeping the same capacity output level.

Multi-bend Evaporator
Within compact internal space of indoor unit, multi-bend evaporator helps increase heat exchange surface for improving efficiency.

Hydrophilic Aluminium Fin
In indoor unit, heat exchanger using Hydrophilic Aluminium Fins improve cooling efficiency by enabling the unrestricted flow of condensated water between the fins. In outdoor unit, it improves heating efficiency by accelerating the defrosting process.

Sleep Mode
This function enables the air conditioner to automatically increase (cooling) or decrease(heating) 1°C per hour for the first two hours, then holds steady for the next 5 hours, after that it will switch off. This characteristic maintains both energy saving and comfort in night operation.

Convenience

Cleanable Panel
Front panel of the indoor unit is easy to be detached for periodic cleaning.

Flexible Wiring Connection
Terminal block makes the cable connection between indoor and outdoor units much more flexible.

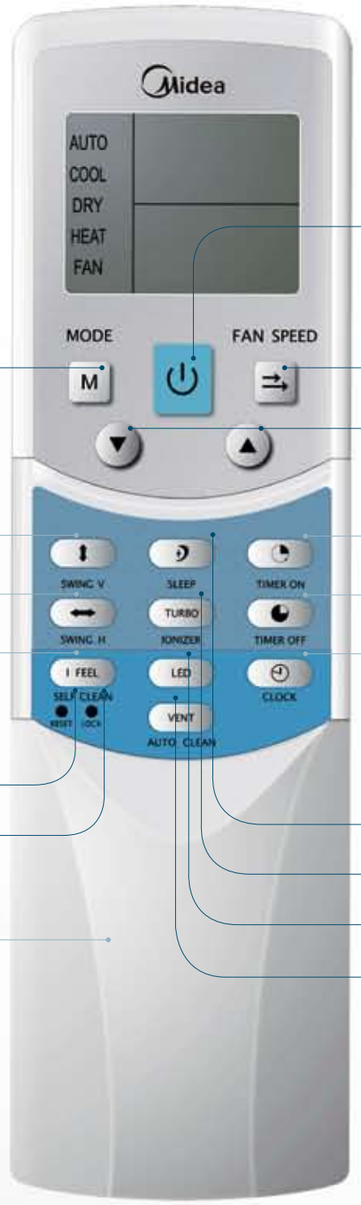
2 Ways Piping Connection
Both left and right sides of the indoor unit are possible for outstretch of connective piping and drainage hose

Quick Connector
For this kind of air conditioner, the installation is quite easy and facile and not so costly.

Wired Controller
Compared with infrared remote controller, Wired Controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.

Auto-Restart
If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous function setting automatically when the power resumes.

Remote Control



ON / OFF

Mode Setting
AUTO / COOL / DRY / HEAT / FAN

Fan Speed Setting
HIGH / MED / LOW / AUTO

Temperature Setting

Swing Vertical

Timer On Setting

Swing Horizontal

Timer Off Setting

Follow Me / Self Clean

Clock Setting

Reset pinhole

Lock pinhole

Sleep

Turbo / Ionizer

LED Display

Sliding Cover

Ventilating / Auto Clean

Model Code

M S X I - 12 H R D N - Q D2 F

Special Function
- **F** Ionizer
- **J** Plasma
- **L** Low Ambient Kit
- **H** Fresh Air
- **Q** Quicker Connect
- **P** Soft-starter Kit

EER Code / **EER**

EER Code	EER
A0-A9	1.0-1.9
B0-B9	2.0-2.9
C0-C9	3.0-3.9
D0-D9	4.0-4.9

Power Code / **Power Supply (V-Hz-Ph)**

Power Code	Power Supply (V-Hz-Ph)
Q	220-240V~, 50Hz, 1Phase
R	380-420V~, 50Hz, 3Phase
S	380V~, 50Hz, 3Phase

Refrigerant
N1 R410A **N2** R407C **N3** R134a - R22

Inverter Type
- **I** AC Inverter
- **D** DC Inverter
- **-** Constant Speed

Control Mode
- **W** Wire Control
- **E** Electric Control
- **M** Mechanical Control
- **R** Remote Control

Function Code
- **C** Cooling Only
- **H** Heat Pump
- **A** Heat Pump with Auxiliary Electric Heater
- **E** Cooling & Electric Heater

Capacity
Air Conditioner: Cooling/Heating Capacity (x1000Btu/h)
Dehumidifier: Moisture Removal Volume (L/day)

Connection Type
- **I** Multi Type
- **-** Single Type

Product Series
Residential
- **1A** Alps Series
- **X** X Series
- **Y** Y Series
- **V1** Vertu Series
- **9V1** Vida Series
- **9A1** Luna Series
- **C** Corona Series
- **R1** R Series

Unit Type
Residential
- **S** Split Wall-mounted
- **D** Dehumidifier
- **P** Portable
- **W** Window
- **O** Outdoor unit

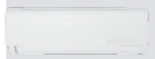
Midea

Lineup 2011

Light Commercial

	Series	DC Inverter	ON/OFF	
	Four-way Cassette (Compact)	12K 18K	12K 18K	18-19
	Four-way Cassette	18K 24K 30K 36K 48K 60K	24K 30K 36K 48K 60K	20-21
	Ceiling & Floor	12K 18K 24K 30K 36K 48K 60K	12K 18K 24K 30K 36K 48K 60K	22-23
	Console	12K 18K	12K 18K	24-25
	Duct	12K 18K 24K 30K 36K 48K 60K	12K 18K 24K 30K 36K 48K 60K	26-28

Split

	Series	Super DC Inverter	DC Inverter (COP:4.2)	DC Inverter	ON/OFF	Multi (ON/OFF)	
	Alps	9K 12K 18K 24K					30-31
	X	7K 9K 12K 18K					32-33
	Y	9K 12K	9K 12K	9K 12K 18K	7K 9K 12K 18K	9K 12K	34-37
	Vertu	9K 12K	9K 12K	9K 12K 18K 24K	7K 9K 12K 18K 21K 24K	9K 12K	38-41
	Vida	9K 12K	9K 12K	9K 12K 18K 24K	7K 9K 12K 18K 21K 24K	9K 12K	42-45
	Luna	9K 12K	9K 12K	9K 12K 18K 24K	7K 9K 12K 18K 21K 24K	9K 12K 18K	46-49
	Corona	9K 12K	9K 12K	9K 12K 18K 24K	7K 9K 12K 18K 21K 24K	9K 12K 18K	50-53
	Glory			9K 12K 18K 24K	7K 9K 12K 18K 24K 36K	9K 12K	54-57
	R			9K 12K 18K 24K	7K 9K 12K 18K 21K 24K	9K 12K	58-60

Portable

	Series	Btu/h			
	Tango	7K	9K		62-63
	Nova		9K	12K	64-65
	N3	7K	9K		66-67
	N/N1	8K	9K	12K	68-69
	M4/M5		9K	12K	70-71
	Mini	7K	9K		72-73

Dehumidifier

	Series	L/day					
	T1	8L/day	10L/day	16L/day	20L/day		75-76
	T2		10L/day				77-78
	N3	8L/day	10L/day	16L/day	20L/day		79-80
	N1	8L/day	10L/day				81-82
	N	8L/day	10L/day				81-82
	N2	8L/day	10L/day				81-82
	F2	8L/day	10L/day	12L/day	16L/day	20L/day	83-84
	F3	8L/day	10L/day	12L/day	16L/day	20L/day	83-84

Window

	Series	Btu/h			
	H/F1/F	9K	12K	16K	86-87

Free Match *Outdoor Unit*

M2OC-14HRDN1	One Unit	Two Units	
	7	7+7	9+9
	9	7+9	9+12
	12	7+12	

M2OC1-18HRDN1-Q	One Unit	Two Units	
	7	7+7	9+9
	9	7+9	9+12
	12	7+12	12+12
	18	7+18	

M3OC-21HRDN1-Q	One Unit	Two Units		Three Units	
	7	7+7	9+9	7+7+7	7+9+12
	9	7+9	9+12	7+7+9	9+9+9
	12	7+12	9+18	7+7+12	9+9+12
	18	7+18	12+12	7+9+9	

M3OC1-27HRDN1-Q	One Unit	Two Units			Three Units		
	7	7+7	9+9	12+18	7+7+7	7+9+9	9+9+12
	9	7+9	9+12		7+7+9	7+9+12	9+12+12
	12	7+12	9+18		7+7+12	7+12+12	
	18	7+18	12+12		7+7+18	9+9+9	

M4OC-24HRDN1-Q	One Unit	Two Units			Three Units			Four Units		
	7	7+7	9+9	12+18	7+7+7	7+9+9	9+9+12	7+7+7+7	7+7+9+12	9+9+9+12
	9	7+9	9+12		7+7+9	7+9+12	9+12+12	7+7+7+9	7+9+9+9	
	12	7+12	9+18		7+7+12	7+12+12		7+7+7+12	7+9+9+12	
	18	7+18	12+12		7+7+18	9+9+9		7+7+9+9	9+9+9+9	

M4OC-27HRDN1	One Unit	Two Units			Three Units				Four Units			
	7	7+7	9+9	12+18	7+7+7	7+9+9	7+12+18	9+12+12	7+7+7+7	7+7+9+9	7+9+9+12	
	9	7+9	9+12	18+18	7+7+9	7+9+12	9+9+9	9+12+18	7+7+9+12	7+9+9+9		
	12	7+12	9+18		7+7+12	7+9+18	9+9+12	12+12+12	7+7+7+12	7+7+12+12	9+9+9+9	
	18	7+18	12+12		7+7+18	7+12+12	9+9+18		7+7+7+18	7+9+9+9	9+9+9+12	

M4OC-36HRDN1-Q	One Unit	Two Units			Three Units				
	7	7+7	9+9	12+18	7+7+7	7+9+9	7+12+18	9+9+18	12+12+12
	9	7+9	9+12	18+18	7+7+9	7+9+12	7+18+18	9+12+12	12+12+18
	12	7+12	9+18		7+7+12	7+9+18	9+9+9	9+12+18	12+18+18
	18	7+18	12+12		7+7+18	7+12+12	9+9+12	9+18+18	

Four Units						
7+7+7+7	7+7+9+9	7+7+12+18	7+9+9+18	7+12+12+12	9+9+9+18	9+12+12+18
7+7+7+9	7+7+9+12	7+7+18+18	7+9+12+12	7+12+12+18	9+9+12+12	12+12+12+12
7+7+7+12	7+7+9+18	7+9+9+9	7+9+12+18	9+9+9+9	9+9+12+18	12+12+12+18
7+7+7+18	7+7+12+12	7+9+9+12	7+9+18+18	9+9+9+12	9+12+12+12	

M5OA-36HRDN1-Q	One Unit	Two Units		Three Units			
	7	7+7	9+12	7+7+7	7+9+18	9+9+18	12+18+18
	9	7+9	9+18	7+7+9	7+12+12	9+12+12	18+18+18
	12	7+12	12+12	7+7+12	7+12+18	9+12+18	
	18	7+18	12+18	7+7+18	7+18+18	9+18+18	
		9+9	18+18	7+9+9	9+9+9	12+12+12	
				7+9+12	9+9+12	12+12+18	

Four Units					Five Unit				
7+7+7+7	7+7+9+18	7+9+9+18	7+12+18+18	9+9+18+18	7+7+7+7+7	7+7+7+9+18	7+7+9+12+18	7+9+9+12+18	9+9+9+12+12
7+7+7+9	7+7+12+12	7+9+12+12	9+9+9+9	9+12+12+18	7+7+7+7+9	7+7+7+12+18	7+7+12+12+18	7+9+12+12+12	9+9+9+12+18
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7+7+9+12	7+9+9+12	7+12+12+18	9+9+12+18		7+7+7+9+12	7+7+9+9+18	7+9+9+12+12	9+9+9+9+18	

DC Inveter 1×2

	Outdoor Unit		M2OC-14HRDN1	M2OC1-18HRDN1-Q
Capacity	Cooling Capacity	nor(min-max) Btu/h	14000(7000~16000)	18000(7000~19000)
	Heating Capacity	nor(min-max) Btu/h	15000(9000~17000)	21000(10000~22000)
Electrical Parts	Power Supply(V~,Hz,Ph)		220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling/Heating	1270/1220	1620/1670
	Operating Current (A)	Cooling/Heating	5.7/5.5	7.5/7.6
Performance	EER/COP	W/W	3.23/3.61	3.21/3.65
	Net Dimension	WxHxD (mm)	760×590×285	845×695×335
	Packing Dimension	WxHxD (mm)	887×645×355	965×755×395
	Net/Gross Weight	kg	39/41	53.5/57
	Air Flow	m^3/h	2200	2500
	Noice Level	dB(A)	53	53
	Liquid/Gas Side	mm	2×(Ø6.35/Ø9.53)	2×(Ø6.35/Ø9.53)

DC Inveter 1×3

	Outdoor Unit		M3OC1-21HRDN1-Q	M3OC1-27HRDN1-Q
Capacity	Cooling Capacity	nor(min-max) Btu/h	21000(7000~25000)	27000(7000~28000)
	Heating Capacity	nor(min-max) Btu/h	23000(9000~26000)	30000(10000~31000)
Electrical Parts	Power Supply(V~,Hz,Ph)		220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling/Heating	1910/1860	2400/2420
	Operating Current (A)	Cooling/Heating	8.6/8.4	11/11.2
Performance	EER/COP	W/W	3.22/3.62	3.25/3.63
	Net Dimension	WxHxD (mm)	845×695×335	845×695×335
	Packing Dimension	WxHxD (mm)	965×755×395	965×755×395
	Net/Gross Weight	kg	55/60	57/60.5
	Air Flow	m^3/h	2500	2500
	Noice Level	dB(A)	55	55
	Liquid/Gas Side	mm	3×(Φ6.35/Φ9.53)	3×(Φ6.35/Φ9.53)

DC Inveter 1×4

	Outdoor Unit		M4OC-24HRDN1-Q	M4OC-27HRDN1	M4OC-36HRDN1-Q
Capacity	Cooling Capacity	nor(min-max) Btu/h	24000(7000~27000)	27000(7000~31000)	36000(7000~43000)
	Heating Capacity	nor(min-max) Btu/h	26000(9000~28000)	30000(9000~34000)	38000(9000~45000)
Electrical Parts	Power Supply(V~,Hz,Ph)		220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling/Heating	2190/110	2470/2440	3450/3380
	Operating Current (A)	Cooling/Heating	9.6/9.2	11.2/11.1	15.5/15.2
Performance	EER/COP	W/W	3.21/3.61	3.21/3.61	3.04/3.28
	Net Dimension	WxHxD (mm)	845×695×335	895×860×330	990×966×396
	Packing Dimension	WxHxD (mm)	965×755×395	1043×915×395	1120×1100×435
	Net/Gross Weight	kg	56/60	78/82	86/90
	Air Flow	m^3/h	2500	3500	5800
	Noice Level	dB(A)	55	57	61
	Liquid/Gas Side	mm	4×(Φ6.35/Φ9.53)	4×(Φ6.35/Φ9.53)	4×(Φ6.35/Φ9.53)

DC Inveter 1×5

	Outdoor Unit		M5OA-36HRDN1-Q
Capacity	Cooling Capacity	nor(min-max) Btu/h	36000(7000~43000)
	Heating Capacity	nor(min-max) Btu/h	40000(9000~48000)
Electrical Parts	Power Supply(V~,Hz,Ph)		220-240V~,50Hz,1Ph
	Power Input (W)	Cooling/Heating	3480/3430
	Operating Current (A)	Cooling/Heating	15.6/15.4
Performance	EER/COP	W/W	3.03/3.42
	Net Dimension	WxHxD (mm)	990×966×396
	Packing Dimension	WxHxD (mm)	1120×1100×435
	Net/Gross Weight	kg	88/92
	Air Flow	m^3/h	5800
	Noice Level	dB(A)	61
	Liquid/Gas Side	mm	5×(Φ6.35/Φ9.53)

Free Match *Indoor Unit*

Alps Series

Indoor Unit		MS1AI-09HRDN1-Q	MS1AI-12HRDN1-Q	MS1AI-18HRDN1-Q
Cooling/Heating	Btu/h	9000/10000	12000/13000	18000/18500
Air Flow	m^3/h	750	780	800
Noice Level	Hi/Med/Lo	38/32/25	39/33/25	41/34/26
Net Dimension	WxHxD (mm)	830x250x316	830x250x316	830x250x316
Packing Dimension	WxHxD (mm)	915x330x395	915x330x395	915x330x395
Net/Gross Weight	kg	11/14	11/14	11/14
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7

X Series

Indoor Unit		MSXI-07HRDN1	MSXI-09HRDN1	MSXI-12HRDN1	MSXI-18HRDN1-Q
Cooling/Heating	Btu/h	7000/8000	9000/10000	12000/13000	18000/19000
Air Flow	m^3/h	480	480	650	850
Noice Level	Hi/Med/Lo	39/33/28	39/33/28	40/34/29	45/40/36
Net Dimension	WxHxD (mm)	710x250x194	710x250x194	790x265x198	850x305x225
Packing Dimension	WxHxD (mm)	800x340x270	800x340x270	875x375x285	945x385x313
Net/Gross Weight	kg	8.5/10	8.5/11	10/12.5	11.5/15
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

Y Series

Indoor Unit		MSYI-07HRDN1	MSYI-09HRDN1	MSYI-12HRDN1	MSYI-18HRDN1
Cooling/Heating	Btu/h	7000/8000	9000/10000	12000/13000	18000/19000
Air Flow	m^3/h	480	480	600	870
Noice Level	Hi/Med/Lo	37/33/27	37/33/27	38/34/28	42/37/32
Net Dimension	WxHxD (mm)	850x275x160	850x275x160	900x285x160	1022x295x185
Packing Dimension	WxHxD (mm)	940x365x250	940x365x250	990x375x250	1105x385x275
Net/Gross Weight	kg	8.5/10.5	8.5/10.5	9/11	12.5/15.5
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

Vertu Series

Indoor Unit		MSVI-07HRDN1	MSVI-09HRDN1	MSVI-12HRDN1	MSVI-18HRDN1
Cooling/Heating	Btu/h	7000/8000	9000/10000	12000/14000	18000/18500
Air Flow	m^3/h	570	570	700	800
Noice Level	Hi/Med/Lo	37/34/27	37/34/27	40/35/28	42/37/33
Net Dimension	WxHxD (mm)	795x270x165	795x270x165	845x286x165	995x292x194
Packing Dimension	WxHxD (mm)	850x340x285	850x340x285	905x355x285	1100x415x290
Net/Gross Weight	kg	10/11.5	10/11.5	10.5/12	11.5/14.5
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

Vida Series

Indoor Unit		MS9VI-07HRDN1-Q	MS9VI-09HRDN1-Q	MS9VI-12HRDN1-Q	MS9VI-18HRDN1-Q
Cooling/Heating	Btu/h	7000/8000	9000/10000	12000/13000	18000/18500
Air Flow	m^3/h	550	550	580	720
Noice Level	Hi/Med/Lo	38/32/27	38/32/27	38/32/27	39/33/28
Net Dimension	WxHxD (mm)	845x290x165	845x290x165	845x290x165	995x292x200
Packing Dimension	WxHxD (mm)	920x365x240	920x365x240	920x365x240	1070x370x275
Net/Gross Weight	kg	9/11.5	9/11.5	9/11.5	12.5/15
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7

Luna Series

Indoor Unit		MS9AI-07HRDN1-Q	MS9AI-09HRDN1-Q	MS9AI-12HRDN1-Q	MS9AI-18HRDN1-Q
Cooling/Heating	Btu/h	7000/8000	9000/11000	12000/14000	18000/18500
Air Flow	m^3/h	550	550	600	800
Noice Level	Hi/Med/Lo	37/33/26	37/33/26	39/34/28	43/39/33
Net Dimension	WxHxD (mm)	710x250x190	710x250x190	790x265x198	918x292x223
Packing Dimension (mm)	WxHxD (mm)	770x318x265	770x318x265	875x335x265	1015x368x295
Net/Gross Weight (kg)	kg	7.5/9.5	7.5/9.5	9/11	11.5/15
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7

Corona Series

Indoor Unit		MSCI-07HRIN1	MSCI-09HRIN1	MSCI-12HRIN1	MSCI-18HRDN1
Cooling/Heating	Btu/h	7000/8500	9000/11000	12000/13000	18000/18500
Air Flow	m^3/h	570	570	620	800
Noice Level	Hi/Med/Lo	38/33/29	38/33/29	42/36/30	44/40/37
Net Dimension	WxHxD (mm)	710x250x195	710x250x195	790x265x195	920x292x225
Packing Dimension	WxHxD (mm)	800x340x270	800x340x270	875x375x285	1015x368x295
Net/Gross Weight	kg	8/9.5	8/9.5	9/11	11.5/15
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

Glory Series

Indoor Unit		MSGI-07HRDN1	MSGI-09HRDN1	MSGI-12HRDN1	MSGI-18HRDN1
Cooling/Heating	Btu/h	7000/8000	9000/10000	11000/12000	17000/18000
Air Flow	m^3/h	510	510	660	800
Noice Level	Hi/Med/Lo	39/34/29	39/34/29	41/36/30	44/40/37
Net Dimension	WxHxD (mm)	750x250x196	750x250x196	750x250x196	906x286x235
Packing Dimension	WxHxD (mm)	830x335x280	830x335x280	830x335x280	1020x381x328
Net/Gross Weight	kg	7.5/9.5	7.5/9.5	7.5/9.5	11/13.5
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

R Series

Indoor Unit		MSRI-07HRDN1-Q	MSRI-09HRDN1-Q	MSRI-12HRDN1	MSRI-18HRDN1
Cooling/Heating	Btu/h	7000/8000	9000/10000	12000/13000	18000/19000
Air Flow	m^3/h	450	450	550	750
Noice Level	Hi/Med/Lo	37/30/27	37/30/27	45/42/33	46/43/34
Net Dimension	WxHxD (mm)	710x250x189	710x250x189	790x275x190	940x275x198
Packing Dimension	WxHxD (mm)	775x324x260	775x324x260	865x350x265	1015x350x265
Net/Gross Weight	kg	7/8.5	7/8.5	8.5/10.5	11/13
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

Four way Cassette (Compact)

Indoor Unit		MCA2I-07HRDN1	MCA2I-09HRDN1	MCA2I-12HRDN1	MCA2I-18HRDN1
Cooling/Heating	Btu/h	7000/9000	9000/11000	12000/13000	18000/20500
Air Flow	m^3/h	580	580	580	750
Noice Level	Hi/Med/Lo	42/38/32	42/38/32	42/38/32	44/39/33
Body Net Dimension	WxHxD (mm)	575x260x575	575x260x575	575x260x575	575x260x575
Panel Net Dimension	WxHxD (mm)	647x50x647	647x50x647	647x50x647	647x50x647
Body Packing Dimension	WxHxD (mm)	655x290x655	655x290x655	655x290x655	655x290x655
Panel Packing Dimension	WxHxD (mm)	715x123x715	715x123x715	715x123x715	715x123x715
Body Net/Gross Weight	kg	16/19	16/19	16/19	18/21
Panel Net/Gross Weight	kg	3/5	3/5	3/5	3/5
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

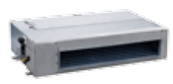
Ceiling & Floor

Indoor Unit		MUBI-12HRDN1	MUBI-18HRDN1
Cooling/Heating	Btu/h	12000/13500	18000/20000
Air Flow	m^3/h	600	800
Noice Level	Hi/Med/Lo	38/33/30	38/33/30
Net Dimension	WxHxD (mm)	990x203x660	990x203x660
Packing Dimension	WxHxD (mm)	1089x296x744	1089x296x744
Net/Gross Weight	kg	24/30	24/30
Liquid/Gas Side	mm	Ø6.35/Ø12.7	Ø6.35/Ø12.7

Console

Indoor Unit		MFF-07HRDN1	MFF-09HRDN1	MFF-12HRDN1	MFF-18HRDN1
Cooling/Heating	Btu/h	7000/8000	9000/10000	12000/14000	18000/20000
Air Flow	m^3/h	450	450	450	630
Noice Level	Hi/Med/Lo	37/32/28	37/32/28	37/32/28	45/42/35
Net Dimension	WxHxD (mm)	700x600x210	700x600x210	700x600x210	700x600x210
Packing Dimension	WxHxD (mm)	810x710x305	810x710x305	810x710x305	810x710x305
Net/Gross Weight	kg	13/18	13/18	15/20	15/20
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

Duct



Indoor Unit		MST2I-07HRIN1	MST2I-09HRIN1	MST2I-12HRIN1	MST2I-18HRIN1
Cooling/Heating	Btu/h	7000/8500	9000/11000	12000/13000	18000/20500
Air Flow	m^3/h	680	680	680	870
Noice Level	Hi/Med/Lo	48/45/41	48/45/41	48/45/41	48/44/40
Net Dimension	WxHxD (mm)	870x210x385	870x210x385	870x210x385	1224x210x385
Packing Dimension	WxHxD (mm)	1045x278x440	1045x278x440	1045x278x440	1390x278x440
Net/Gross Weight	kg	15/19	15/19	15/19	18/23
Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

Duct

Specification_ON/OFF

	Indoor Unit Outdoor Unit		MTB1-12HWN1-Q MOU-12HN1	MTB-18HWN1-Q MOU-18HN1-Q	MTB-24HWN1-Q MOU-24HN1-Q	MTB-30HWN1-Q MOU-30HN1-Q	MTB-30HWN1-R MOU-30HN1-R
Capacity	Cooling Capacity	Btu/h	12000	18000	24000	30000	30000
		kW	3.2	5.3	7.1	9.0	9.0
	Heating Capacity	Btu/h	13000	20000	26000	32000	32000
		kW	4.0	6.0	7.6	9.5	9.5
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	380-420, 50,3
	Power Input (kW)	Cooling	1.060	1.755	2.415	3.169	3.167
		Heating	1.212	1.875	2.420	3.333	3.330
Performance	EER	W/W	3.02	3.02	2.94	2.84	2.84
	COP	W/W	3.30	3.20	3.14	2.85	2.85
	Air Flow Volume	m^3/h	800/610/520	1170/770/650	1400/1100/1000	2250/1940/1720	2250/1940/1720
	Static Pressure	Pa	40	70	70	80	80
	Noise Level (dB(A))	Hl/Med/Low	36.9 /30.2/26.4	44.0/35.9/32.8	45.1/43.2/40.9	46.1/44.0/42.2	46.1/44.0/42.2
Dimension & Weight & Piping Size	Net Dimension (mm)	WxHxD	700x210x635	920x210x635	920x270x635	1140x270x775	1140x270x775
	Net Weight	kg	20	24	28	41	41
	Packing Dimension (mm)	WxHxD	915x290x655	1135x290x655	1135x350x655	1355x350x795	1355x350x795
	Gross Weight	kg	25	30	34	46	46
	Piping Size (mm)	Liquid	Ø6.4	Ø6.4	Ø9.5	Ø12.7	Ø12.7
		Gas	Ø12.7	Ø12.7	Ø15.9	Ø19.0	Ø19.0
		Drainage	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25
Applicable Area & Stuffing Quantity	Applicable Area	m^2	13-21	21-35	28-47	36-60	36-60
	Stuffing Quantity (Set)	20'/40'/40'HQ	86/174/198	61/133/151	47/107/120	27/59/68	27/59/68

	Indoor Unit Outdoor Unit		MTB-36HWN1-Q MOU-36HN1-Q	MTB-36HWN1-R MOU-36HN1-R	MTB-48HWN1-R MOU-48HN1-R	MTB-60HWN1-R MOUA-60HN1-R
Capacity	Cooling Capacity	Btu/h	36000	36000	48000	60000
		kW	10.5	10.5	14.0	16.0
	Heating Capacity	Btu/h	40000	40000	52000	65000
		kW	12.0	12.0	15.4	17.6
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	380-420, 50,3	380-420, 50,3	380-420, 50,3
	Power Input (kW)	Cooling	3.737	3.737	5.109	5.861
		Heating	4.270	4.270	5.500	6.308
Performance	EER	W/W	2.81	2.81	2.74	2.73
	COP	W/W	2.81	2.81	2.80	2.79
	Air Flow Volume	m^3/h	2270/1890/1650	2270/1890/1650	3010/2410/1940	3150/2510/1990
	Static Pressure	Pa	80	80	100	100
	Noise Level (dB(A))	Hl/Med/Low	46.1/44.0/42.2	46.1/44.0/42.2	47.1/45.3/42.9	47.3/45.2/43.1
Dimension & Weight & Piping Size	Net Dimension (mm)	WxHxD	1140x270x775	1140x270x775	1200x300x865	1200x300x865
	Net Weight	kg	41	41	47	47
	Packing Dimension (mm)	WxHxD	1355x350x795	1355x350x795	1385x373x920	1385x373x920
	Gross Weight	kg	46	46	55	55
	Piping Size (mm)	Liquid	Ø12.7	Ø12.7	Ø12.7	Ø12.7
		Gas	Ø19.0	Ø19.0	Ø19.0	Ø19.0
		Drainage	ODØ25	ODØ25	ODØ25	ODØ25
Applicable Area & Stuffing Quantity	Applicable Area	m^2	42-70	42-70	56-93	64-107
	Stuffing Quantity (Set)	20'/40'/40'HQ	27/59/68	27/59/68	17/41/59	17/41/59

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Wall Mounted

Alps *Split*

R410A

220-240V~, 50Hz

Super DC Inverter

Ultra High Efficiency

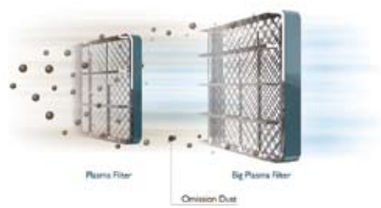
Midea's optimized refrigeration system is built by excellent compressor, high-efficiency motor and 4-bend heat exchanger. The energy consumption can be reduced by 30% compared with the energy Class A in common.

Super-Slient Airflow System

Besides the technology of controlling the airflow volume and capacity output, a large diameter cross-flow fan can minimize the noise level of the indoor unit by lowering fan speed and optimizing air flow.

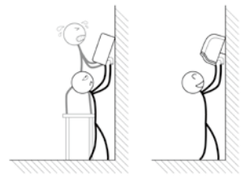
Super PLASMA Air Purifier

The PLASMA zone is a high voltage electrostatic generation field. With the larger size, Super PLASMA Air Purifier makes more air circulation and increases the quality of air purification.



Quick & Easy Installation

With a special designed collapsible bracket on the rear of indoor unit, the pipes connection work is easier and convenient which can save the installation time and cost.



- Auto Restart Function
- Auto Swing
- Fashion Design
- Flexible Installation Kit
- Follow Me
- Self-cleaning
- Sleep Mode
- Turbo Mode
- Heating Belt (outdoor)
- Low Ambient Cooling

Features: Standard Optional

Specification_Alps Series (Super DC Inverter)

Ultra High Efficiency COP 5.2

SUPER DC INVERTER

	Indoor Unit / Outdoor Unit		MS1A-09HRFN1-QE0 / MOC-09HFN1-QE0	MS1A-12HRFN1-QD2 / MOC-12HFN1-QD2	MS1A-18HRFN1-QC4 / MOC-18HFN1-QC4	MS1A-24HRFN1-QC2W / MOF-24HFN1-QC2W
Capacity	Cooling Capacity	Btu/h	9000(2600~11500)	12000(2600~13500)	17000(2800~18000)	23000(12000~25000)
		kW	2.6(0.7~3.4)	3.5(0.7~4.0)	5.0(0.8~5.3)	6.7(3.5~7.3)
	Heating Capacity	Btu/h	10000(2600~13000)	13000(2600~16000)	18000(2800~19000)	24000(12000~27000)
		kW	2.9(0.7~3.8)	3.8(0.7~4.7)	5.3(0.8~5.5)	7.0(3.5~7.9)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	530(180~1100)	840(210~1250)	1440(350~1700)	2100(820~2500)
		Heating	560(190~1150)	870(220~1300)	1210(300~1600)	1940(800~2700)
	Operating Current (A)	Cooling	2.4(1.0~4.8)	3.7(1.1~5.5)	6.4(1.6~7.6)	9.4(3.6~11.2)
		Heating	2.6(1.1~5.0)	3.9(1.2~5.8)	5.5(1.4~7.2)	9.1(3.5~12.0)
Performance	EER	W/W	5.0	4.2	3.46	3.21
	COP	W/W	5.23	4.38	4.36	3.63
	Energy Rate		A+/A+	A+/A+	A+/A+	A/A
	Air Flow Volume (m^3/h)	Indoor	750/600/450	780/600/450	950/750/500	1050/850/600
	Noise Level (dB(A))	Indoor(Hi/Med/Lo/Silent)	38/32/25/20	39/33/25/21	45/38/32/24	46/39/33/28
		Outdoor	53	53	55	57
Net Dimension & Weight	Indoor(mm)	WxHxD	830x250x316	830x250x316	950x250x316	950x250x316
	Outdoor(mm)	WxHxD	760x590x285	760x590x285	760x590x285	845x695x335
	Net Weight (kg)	Indoor/Outdoor	11/37	11/37	12.5/38	12.5/49.5
Packing Dimension	Indoor(mm)	WxHxD	915x330x395	915x330x395	1035x330x395	1035x330x395
	Outdoor(mm)	WxHxD	887x645x355	887x645x355	887x645x355	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	14/40	14/40	16/41	16/52.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	40-64	50-88
	Stuffing Quantity (Set)	20'/40'/40'HQ	85/180/215	85/180/215	80/175/195	66/140/160

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

X *Split*

R410A 220-240V~, 50Hz

Super DC Inverter

DC Inverter 180° Sine Wave

Midea DC Inverter Air-conditioner adopts the advanced 180° Sine Wave DC Inverter driving technology and Brushless DC (BLDC) motor (revolution variable) compressor. More energy-saving ,more consistent , and quieter than 120° Square Wave DC Inverter.

3D DC Inverter

Besides the compressor motor, both of the indoor and outdoor fan motors are Brushless DC (BLDC) type. Owing to the function of BLDC motors, the 3D Inverter air conditioner gains higher efficiency and makes quieter operation which helps to save more energy and enhance comfort to consumers.

- Auto Restart Function
- Active Carbon Filter
- Follow Me
- LED Display
- Sleep Mode
- Self-cleaning
- Turbo Mode
- Temp Compensation
- Two-direction Air Vane
- Bio Filter
- Golden Fin
- Ionizer
- Low Ambient Cooling
- Plasma
- Heating Belt (outdoor)
- Silver Ion Filter
- 3M HAF Filter
- Vitamin C Filter

Features: Standard Optional

Specification_X Series (Super DC Inverter)

Ultra High Efficiency COP 5.5 SUPER DC INVERTER

	Indoor Unit / Outdoor Unit		MSX-07HRFN1-QE4 / MOC-07HFN1-QE4	MSX-09HRFN1-QE0 / MOC-09HFN1-QE0	MSX-12HRFN1-QD2 / MOC-12HFN1-QD2	MSX-18HRFN1-QC4 / MOC-18HFN1-QC4
Capacity	Cooling Capacity	Btu/h	7000(2600~11000)	9000(2600~11500)	12000(2600~13500)	17000(2800~18000)
		kW	2.1(0.7~3.2)	2.6(0.7~3.4)	3.5(0.7~4.0)	5.0(0.8~5.3)
	Heating Capacity	Btu/h	8000(2600~12500)	10000(2600~13000)	13000(2600~16000)	17500(2800~19000)
		kW	2.3(0.7~3.6)	2.9(0.7~3.8)	3.8(0.7~4.7)	5.1(0.8~5.5)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	380(150~1050)	530(180~1100)	840(210~1250)	1460(380~1750)
		Heating	420(160~1100)	560(190~1150)	870(220~1300)	1350(350~1700)
	Operating Current (A)	Cooling	1.8(0.8~4.6)	2.4(1.0~4.8)	3.7(1.1~5.5)	6.4(1.7~7.6)
		Heating	2.0(0.9~4.8)	2.6(1.1~5.0)	3.9(1.2~5.8)	6.0(1.6~7.4)
Performance	EER	W/W	5.4	5.0	4.2	3.4
	COP	W/W	5.58	5.23	4.38	3.8
	Energy Rate		A+/A+	A+/A+	A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	800/700/600	820/700/600	820/720/620	850/750/620
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/31/25	39/32/26	39/33/27	41/33/27
		Outdoor	53	53	53	55
Net Dimension & Weight	Indoor(mm)	WxHxD	850x305x225	850x305x225	850x305x225	850x305x225
	Outdoor(mm)	WxHxD	760x590x285	760x590x285	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	10.5/37	10.5/37	10.5/37	10.5/37
Packing Dimension	Indoor(mm)	WxHxD	945x385x313	945x385x313	945x385x313	945x385x313
	Outdoor(mm)	WxHxD	887x645x355	887x645x355	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	13.5/40	13.5/40	13.5/40	13.5/40
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	40-64	50-88
	Stuffing Quantity (Set)	20'/40'/40'HQ	85/180/205	85/180/205	85/180/205	85/180/205

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Y *Split*

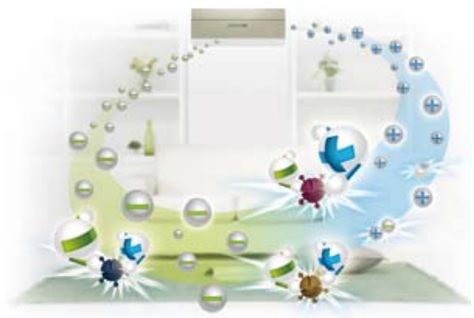
R410A 220-240V~, 50Hz

Super DC inverter
DC Inverter (COP:4.2)
DC inverter
ON/OFF
Multi ON/OFF

Super Slim Design

With super slim indoor unit, the fashionable design brings great visual enjoyment as the home decoration.

Super Ionizer



Ionizer+ is a device that ionizes the air by positive and negative high voltage electrodes simultaneously. When the positive ions and negative ions neutralized it will releases tremendous amounts of energy which can sterilize the air passed through and alter the structure of the bacteria nearby. Moreover, the residual negative ions not only eliminates odor, dust, smoke and pollen particles in the air, but also brings more fresh and healthy sensation to the users like staying in forest or closing to waterfall.

- Auto Restart Function
- Active Carbon Filter
- Follow Me
- Turbo Mode
- Temp Compensation
- Ionizer*
- Self-cleaning
- Sleep Mode
- VLED Display
- Bio Filter
- Golden Fin
- Heating Belt (outdoor)
- Low Ambient Cooling
- Silver Ion Filter
- Vitamin C Filter
- 3M HAF Filter

Features: Standard Optional

Specification_Y Series (Super DC inverter)

SUPER DC INVERTER

	Indoor Unit / Outdoor Unit		MSY-09HRFN1-QD2 / MOC-09HFN1-QD2	MSY-12HRFN1-QC8 / MOC-12HFN1-QC8
Capacity	Cooling Capacity	Btu/h	9000(3400~11200)	12000(3800~14800)
		kW	2.6(1.0~3.3)	3.5(1.1~4.3)
	Heating Capacity	Btu/h	10000(3500~12000)	13000(4000~15500)
		kW	2.9(1.0~3.5)	3.8(1.2~4.5)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	630(220~1000)	930(360~1480)
		Heating	640(240~1100)	950(370~1560)
	Operating Current (A)	Cooling	3.1(1.1~4.8)	4.2(1.6~6.6)
		Heating	3.2(1.2~5.0)	4.3(1.7~6.8)
Performance	EER	W/W	4.21	3.81
	COP	W/W	4.61	4.01
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	670/470/400	670/470/400
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/28/24	39/28/24
		Outdoor	54	54
Net Dimension & Weight	Indoor(mm)	WxHxD	900x285x160	900x285x160
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	10/38	10/39
Packing Dimension	Indoor(mm)	WxHxD	990x375x250	990x375x250
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	12.5/41	12.5/42
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	35-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	92/190/230	92/190/230

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Specification_Y Series DC Inverter (COP:4.2)

DC Inverter

Ultra High Efficiency COP4.2

	Indoor Unit / Outdoor Unit		MSY-09HRDN1-QC8 / MOC-09HDN1-QC8	MSY-12HRDN1-QC4 / MOC-12HDN1-QC4
Capacity	Cooling Capacity	Btu/h	9000(3100~11500)	12000(3800~14800)
		kW	2.6(0.9~3.4)	3.5(1.1~4.3)
	Heating Capacity	Btu/h	10000(3300~12500)	13000(4000~15500)
		kW	2.9(0.9~3.6)	3.8(1.2~4.5)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	690(280~1100)	1030(360~1480)
		Heating	690(300~1150)	1000(340~1450)
	Operating Current (A)	Cooling	3.1(1.3~4.8)	4.6(1.6~6.5)
		Heating	3.1(1.4~5.0)	4.5(1.7~6.4)
Performance	EER	W/W	3.82	3.41
	COP	W/W	4.25	3.81
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	600/500/400	600/500/400
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/34/28	38/34/28
		Outdoor	54	54
Net Dimension & Weight	Indoor(mm)	WxHxD	900x285x160	900x285x160
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	9/38.5	9/39
Packing Dimension	Indoor(mm)	WxHxD	990x375x250	990x375x250
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	11.5/41	11.5/41.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	92/190/230	92/190/230

Specification_Y Series (DC inverter)

	Indoor Unit / Outdoor Unit		MSY-09HRDN1-QC2(A) / MOR-09HDN1-QC2	MSY-12HRDN1-QC2(A) / MOR-12HDN1-QC2	MSY-18HRDN1-QC2(B) / MOC-18HDN1-QC2
Capacity	Cooling Capacity	Btu/h	9000(3300~11200)	12000(4100~13800)	17000(6000~20000)
		kW	2.6(0.6~3.3)	3.5(1.2~4.0)	5.0(1.7~5.8)
	Heating Capacity	Btu/h	10000(4000~13000)	13000(4400~16000)	18000(6400~22000)
		kW	2.9(1.2~3.8)	3.8(1.3~4.7)	5.3(1.8~6.4)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	820(240~1200)	1090(360~1400)	1550(530~2040)
		Heating	810(240~1250)	1050(350~1420)	1460(480~2000)
	Operating Current (A)	Cooling	3.7(1.2~5.3)	4.9(1.8~6.5)	6.8(2.4~9.2)
		Heating	3.6(1.2~5.6)	4.7(1.7~6.6)	6.5(2.3~9.0)
Performance	EER	W/W	3.21	3.21	3.22
	COP	W/W	3.61	3.61	3.61
	Energy Rate		A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	570/490/420	650/520/440	870/730/520
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/32/25	39/32/25	43/37/32
		Outdoor	52	52	56
Net Dimension & Weight	Indoor(mm)	WxHxD	850x275x160	900x285x160	1022x295x185
	Outdoor(mm)	WxHxD	660x540x255	660x540x255	760x590x285
	Net Weight (kg)	Indoor/Outdoor	8.5/27.5	9/29	12/40.5
Packing Dimension	Indoor(mm)	WxHxD	940x250x365	990x375x250	1105x385x275
	Outdoor(mm)	WxHxD	770x585x325	770x585x325	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	11/29.5	11.5/31	15.5/43
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	40-64
	Stuffing Quantity (Set)	20'/40'/40'HQ	123/262/300	123/260/290	85/188/215

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Specification_Y Series (ON/OFF)

	Indoor Unit / Outdoor Unit		MSY-07HRN1-QC2 / MOB-07HN1-QC2	MSY-09HRN1-QC2 / MOB-09HN1-QC2	MSY-12HRN1-QC2 / MOB1-12HN1-QC2	MSY-18HRN1-QC2 / MOF-18HN1-QC2
Capacity	Cooling Capacity	Btu/h	7000	9000	12000	17000
		kW	2.1	2.6	3.5	5.0
	Heating Capacity	Btu/h	8000	10000	13000	18000
		kW	2.3	2.9	3.8	5.3
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Power Input (W)	Cooling	640	820	1090	1555
		Heating	650	810	1050	1465
	Operating Current (A)	Cooling	2.8	3.6	5.0	7.0
		Heating	2.9	3.5	4.8	6.6
Performance	EER	W/W	3.21	3.22	3.22	3.21
	COP	W/W	3.61	3.61	3.63	3.61
	Energy Rate		A/A	A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	450	550	650	850
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	36/33/29	39/35/32	40/37/34	43/39/35
		Outdoor	52	53	54	56
Net Dimension & Weight	Indoor(mm)	WxHxD	850x275x160	850x275x160	900x285x160	1022x295x185
	Outdoor(mm)	WxHxD	780x540x250	780x540x250	780x540x250	845x695x335
	Net Weight (kg)	Indoor/Outdoor	8.5/24.5	8.5/27.5	10/32.5	12.5/43
Packing Dimension	Indoor(mm)	WxHxD	940x250x365	940x250x365	990x375x250	1105x385x275
	Outdoor(mm)	WxHxD	910x575x335	910x575x335	910x575x335	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	10.5/26.5	10.5/29.5	12/35	15.5/46.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		14-23	25-32	27-42	35-60
	Stuffing Quantity (Set)	20'/40'/40'HQ	114/226/262	114/226/262	109/233/264	70/147/166

Specification_Y Series Multi (ON/OFF)

	Indoor Unit		MSYI-09HRN1	MSYI-12HRN1
Performance	Cooling/Heating	Btu/h	9000/10000	12000/13000
	Air Flow	m^3/h	550	650
	Noice Level	Hi/Med/Lo	38/35/32	40/37/34
	Net Dimension (mm)	WxHxD	850x275x160	900x285x160
	Packing Dimension (mm)	WxHxD	940x365x250	990x375x250
	Net/Gross Weight	kg	8.5/10.5	9/11
	Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø12.7

	Outdoor Unit		M2OA-18HRN1	M2OA-21HRN1	M2OA-24HRN1	M3OC-27HRN1-Q	M3OC-30HRN1-Q
Capacity	Cooling Capacity	Btu/h	9000x2	9000+12000	12000+12000	9000x3	9000x2+12000
	Heating Capacity	Btu/h	10000x2	10000+14000	13000+13000	10000x3	10000x2+14000
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling/Heating	840x2/840x2	850+1150/860+1190	1160x2/1170x2	1600+970/1700+1000	1800+1080/1900+1170
	Operating Current (A)	Cooling/Heating	4.0x2/4.0x2	4.0+5.7/4.1+5.7	5.3x2/5.4x2	8.0+5.1/8.1+5.2	8.3+5.4/8.6+5.6
Dimension & Weight	EER/COP	W/W	3.10-B/3.45-B	3.04-B/3.42-B	3.01-B/3.24-C	3.03-B/3.22-C	3.02-B/3.22-C
	Net Dimension (mm)	WxHxD	895x655x345	895x655x345	860x830x330	860x830x330	860x830x330
	Packing Dimension (mm)	WxHxD	1045x700x470	1045x700x470	985x895x425	985x895x425	985x895x425
	Net/Gross Weight	kg	60/65	63/68	72.5/77	78/82	80/83
	Air Flow	m^3/h	2200	2200	3200	3200	3200
	Noice Level	dB(A)	56	56	58	58	58

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Vertu *Split*

R410A 220-240V~, 50Hz

Super DC inverter
DC Inverter (COP:4.2)
DC inverter
ON/OFF
Multi ON/OFF

Color Panel

Planar and concise design, various technological polymethylmethacrylate (PMMA) material's color.

Available Colors:

- Dark Red (HJ-826)
- Dark Blue (HJ-823)
- Black(Black mirror)
- Silver Gray (HJ-816)

Ionizer

Midea air conditioners takes advantage of Ionizer Technology to bring the refreshing air to your home.

- Auto Restart Function
- Active Carbon Filter
- Follow Me
- Golden Fin
- LCD Display
- Ionizer
- Self-cleaning
- Sleep Mode
- Temp Compensation
- Two-direction Air Vane
- Turbo Mode
- Bio Filter
- Heating Belt (outdoor)
- Low Ambient Cooling
- Silver Ion Filter
- Vitamin C Filter
- 3M HAF Filter

Features: Standard Optional

Specification_Vertu Series (Super DC inverter)

SUPER DC INVERTER

	Indoor Unit / Outdoor Unit		MSV1-09HRFN1-ND2E / MOC-09HFN1-ND2E	MSV1-12HRFN1-ND0E / MOC1-12HFN1-ND0E
Capacity	Cooling Capacity	Btu/h	9000(3400-11200)	11000(4000-13500)
		kW	2.6(1.0-3.3)	3.2(1.2-4.0)
	Heating Capacity	Btu/h	10000(3500-12000)	12000(4200-14500)
		kW	2.9(1.0-3.5)	3.5(1.3-4.2)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50/60, 1	220-240, 50/60, 1
	Power Input (W)	Cooling	630(220-1000)	800(280-1220)
		Heating	700(240-1100)	880(300-1300)
	Operating Current (A)	Cooling	3.2(1.1-4.8)	4.0(1.4-6.0)
		Heating	3.5(1.2-5.4)	4.3(1.5-6.4)
Performance	EER	W/W	4.2	4.0
	COP	W/W	4.2	4.0
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	680	680
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/33/28	39/33/29
		Outdoor	54	54
Net Dimension & Weight	Indoor(mm)	WxHxD	845x286x165	845x286x165
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	9/41	10/42
Packing Dimension	Indoor(mm)	WxHxD	905x355x285	905x355x285
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	11/44	12/44.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	97/192/240	97/192/240

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Vertu *Split*

Specification_Vertu Series DC Inverter (COP:4.2)

DC Inverter

Ultra High Efficiency COP 4.2

	Indoor Unit / Outdoor Unit		MSV1-09HRDN1-QC8 / MOC-09HDN1-QC8	MSV1-12HRDN1-QC4 / MOC-12HDN1-QC4
Capacity	Cooling Capacity	Btu/h	9000(3100-11500)	12000(3800-14800)
		kW	2.6(0.9-3.4)	3.5(1.1-4.4)
	Heating Capacity	Btu/h	10000(3300-12500)	13000(4000-15500)
		kW	2.9(1.0-3.7)	3.8(1.2-4.5)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1
	Power Input (W)	Cooling	690(280-1100)	1030(360-1480)
		Heating	690(300-1150)	1000(340-1450)
	Operating Current (A)	Cooling	3.1(1.3-4.8)	4.6(1.6-6.5)
		Heating	3.1(1.4-5.0)	4.5(1.7-6.4)
Performance	EER	W/W	3.82	3.41
	COP	W/W	4.25	3.81
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	650	680
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/34/29	39/35/29
		Outdoor	54	54
Net Dimension & Weight	Indoor(mm)	WxHxD	845x286x165	845x286x165
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	10/38.5	10/39
Packing Dimension	Indoor(mm)	WxHxD	905x355x285	905x355x285
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	13/41	13/41.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	97/192/240	97/192/240

Specification_Vertu Series (DC inverter)

	Indoor Unit / Outdoor Unit		MSV1-09HRDN1-QC2 / MOR-09HDN1-QC2	MSV1-12HRDN1-QC2 / MOR-12HDN1-QC2	MSV1-18HRDN1-QC2F(C) / MOC-18HDN1-QC2	MSV1-24HRDN1-QC2W / MOF-24HDN1-QC2W
Capacity	Cooling Capacity	Btu/h	9000(2050~11200)	12000(4000~13800)	17000(5100-22000)	23000(12000~25000)
		kW	2.6(0.6-3.3)	3.5(1.2-4.0)	5.0(1.5-6.4)	6.7(3.5~7.3)
	Heating Capacity	Btu/h	10000(3200~13200)	13000(4100~14500)	17500(5300-23000)	25000(11000~27000)
		kW	2.9(0.9-3.8)	3.8(1.2-4.2)	5.1(1.6-6.7)	7.3(3.2~7.9)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	820(230~1070)	1090(350~1170)	1550(380-2300)	2100(820~2500)
		Heating	810(230~960)	1050(350~1100)	1420(350-2100)	2030(800~2700)
	Operating Current (A)	Cooling	3.6(1.0~4.7)	4.8(1.5~5.0)	6.9(1.8-10.2)	9.4(3.6~11.2)
		Heating	3.5(1.0~4.2)	4.6(1.5~4.8)	6.4(1.6-9.5)	9.1(3.5~12.0)
Performance	EER	W/W	3.22	3.23	3.21	3.21
	COP	W/W	3.62	3.63	3.61	3.61
	Energy Rate		A/A	A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	550	650	800	1150
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/33/28	39/35/28	42/37/33	47/44/40
		Outdoor	52	52	56	58
Net Dimension & Weight	Indoor(mm)	WxHxD	795x270x165	845x286x165	995x292x194	1080x320x200
	Outdoor(mm)	WxHxD	660x540x255	660x540x255	760x590x285	845x695x335
	Net Weight (kg)	Indoor/Outdoor	9.5/27.5	10/29	11/40.5	14.5/49.5
Packing Dimension	Indoor(mm)	WxHxD	850x340x285	905x355x285	1100x415x290	1180x425x310
	Outdoor(mm)	WxHxD	770x585x325	770x585x325	887x645x355	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	12.5/29.5	13.5/31	15/43	20/52.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	40-64	50-88
	Stuffing Quantity (Set)	20'/40'/40'HQ	136/295/324	130/275/310	84/171/209	66/130/145

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Specification_Vertu Series (ON/OFF)

	Indoor Unit / Outdoor Unit		MSV1-07HRN1 / MOA-07HN1	MSV1-09HRN1 / MOB-09HN1	MSV1-12HRN1-QC2 / MOB1-12HN1-QC2	MSV1-18HRN1-QC2F / MOF-18HN1-QC2F	MSV1-21HRN1-QB8FW / MOF1-21HN1-QC0F	MSV1-24HRN1-QB8FW / MOF3-24HN1-QB8FW
Capacity	Cooling Capacity	Btu/h	7000	9000	12000	18000	21000	24000
		kW	2.1	2.6	3.5	5.3	6.2	7.0
	Heating Capacity	Btu/h	8000	10300	13000	19000	23000	25000
		kW	2.3	3.0	3.8	5.6	6.7	7.3
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling	640	820	1090	1640	2190	2510
		Heating	650	840	1050	1540	2240	2280
	Operating Current (A)	Cooling	2.8	3.6	4.8	7.4	10.0	11.5
		Heating	2.9	3.7	4.6	7.0	10.5	10.4
Performance	EER	W/W	3.21	3.22	3.22	3.21	2.81	2.81
	COP	W/W	3.61	3.61	3.63	3.61	3.01	3.21
	Energy Rate		A/A	A/A	A/A	A/A	C/C	C/C
	Air Flow Volume (m^3/h)	Indoor	470	580	670	830	1070	1200
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	36/34/30	37/35/32	41/37/34	43/38/35	46/42/38	48/45/41
		Outdoor	54	54	55	56	59	60
Net Dimension & Weight	Indoor(mm)	WxHxD	795x270x165	795x270x165	845x286x165	995x292x194	1082x320x207	1082x320x207
	Outdoor(mm)	WxHxD	700x535x235	780x540x250	780x540x250	845x695x335	845X695X335	845X695X335
	Net Weight (kg)	Indoor/Outdoor	10/28.5	10/31	10.5/32.5	12.5/44	15/56	15/53
Packing Dimension	Indoor(mm)	WxHxD	850x335x285	850x335x285	905x355x285	1100x415x290	1180x425x310	1180x425x310
	Outdoor(mm)	WxHxD	815x325x580	910x335x575	910x335x575	965x755x395	965X755X395	965X755X395
	Gross Weight (kg)	Indoor/Outdoor	12.5/30.5	12.5/34	13.5/35	16/47.5	21.5/60.5	21.5/57
Piping Size	Liquid(mm(inch))		Ø6.35(1/4")	Ø6.35(1/4")	Ø6.35(1/4")	Ø6.35(1/4")	Ø9.53(3/8")	Ø9.53(3/8")
	Gas(mm(inch))		Ø9.53(3/8")	Ø9.53(3/8")	Ø9.53(3/8")	Ø12.7(1/2")	Ø16.0(5/8")	Ø16.0(5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		14-23	23-32	27-42	35-60	40-70	45-82
	Stuffing Quantity (Set)	20'/40'/40'HQ	120/258/292	115/226/268	108/220/258	69/140/166	64/134/150	64/134/150

Specification_Vertu Series Multi (ON/OFF)

	Indoor Unit		MSV11-09HRN1	MSV11-12HRN1
Performance	Cooling/Heating	Btu/h	9000/10000	12000/13000
	Air Flow	m^3/h	550	650
	Noice Level	Hi/Med/Lo	38/35/32	40/37/34
	Net Dimension (mm)	WxHxD	795x270x165	845x286x165
	Packing Dimension (mm)	WxHxD	850x340x285	905x355x285
	Net/Gross Weight	kg	10/11.5	10.5/12
	Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø12.7

	Outdoor Unit		M2OA-18HRN1	M2OA-21HRN1	M2OA-24HRN1	M3OC-27HRN1-Q	M3OC-30HRN1-Q
Capacity	Cooling Capacity	Btu/h	9000x2	9000+12000	12000+12000	9000x3	9000x2+12000
	Heating Capacity	Btu/h	10000x2	10000+14000	13000+13000	10000x3	10000x2+14000
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling/Heating	840x2/840x2	850+1150/860+1190	1160x2/1170x2	1600+970/1700+1000	1800+1080/1900+1170
	Operating Current (A)	Cooling/Heating	4.0x2/4.0x2	4.0+5.7/4.1+5.7	5.3x2/5.4x2	8.0+5.1/8.1+5.2	8.3+5.4/8.6+5.6
Dimension & Weight	EER/COP	W/W	3.10-B/3.45-B	3.04-B/3.42-B	3.01-B/3.24-C	3.03-B/3.22-C	3.02-B/3.22-C
	Net Dimension (mm)	WxHxD	895x655x345	895x655x345	860x830x330	860x830x330	860x830x330
	Packing Dimension (mm)	WxHxD	1045x700x470	1045x700x470	985x895x425	985x895x425	985x895x425
	Net/Gross Weight	kg	60/65	63/68	72.5/77	78/82	80/83
	Air Flow	m^3/h	2200	2200	3200	3200	3200
	Noice Level	dB(A)	56	56	58	58	58

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Vida *Split*

R410A 220-240V~, 50Hz

Super DC inverter
DC Inverter (COP:4.2)
DC inverter
ON/OFF
Multi ON/OFF

Follow Me

With this function, the room temperature sensor built in remote control is activated and replaces the sensor of in indoor unit. Then the air conditioner will control the room temperature based on the temperature around the remote controll, just like the air conditioner is following the user.

Self Clean

When this function has been activated, the indoor unit operates as cooling mode with low fan speed initially. Then during this period the condensed water will take some dust on evaporator fins away. After that the unit turns to heating operation with low fan speed which dries the inside of indoor unit. Finally it turns to fan-only mode and blows away the wet air. The whole process cleans the internal side of indoor unit and prevents the aspiration of bacteria.

Auto Restart Function	Active Carbon Filter	Sleep Mode	Self-cleaning
Follow Me	Turbo Mode	Temp Compensation	VLED Display
Bio Filter	Golden Fin	Heating Belt (outdoor)	Ionizer
Low Ambient Cooling	Silver Ion Filter	Vitamin C Filter	3M HAF Filter

Features: Standard Optional

Specification_Vida Series (Super DC inverter)

SUPER DC INVERTER

	Indoor Unit / Outdoor Unit		MS9V-09HRFN1-QD2E / MOC-09HFN1-QD2E	MS9V-12HRFN1-QD0E / MOC-12HFN1-QD0E
Capacity	Cooling Capacity	Btu/h	9000(3400~11200)	11000(4000~13500)
		kW	2.6(1.0~3.3)	3.2(1.2~4.0)
	Heating Capacity	Btu/h	10000(3500~12000)	12000(4200~14500)
		kW	2.9(1.0~3.5)	3.5(1.2~4.2)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	630(220~1000)	800(280~1220)
		Heating	700(240~1100)	880(300~1300)
	Operating Current (A)	Cooling	3.2(1.1~4.8)	4.0(1.4~6.0)
		Heating	3.5(1.2~5.4)	4.3(1.5~6.4)
Performance	EER	W/W	4.2	4.0
	COP	W/W	4.2	4.0
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	550/480/400	580/500/440
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	37/32/25	38/33/27
		Outdoor	53	53
Net Dimension & Weight	Indoor(mm)	WxHxD	845x290x165	845x290x165
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	8.5/37.5	8.5/38
Packing Dimension	Indoor(mm)	WxHxD	920x365x240	920x365x240
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	10.5/40	10.5/41
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	95/200/240	95/200/240

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Vida *Split*

Specification_Vida Series DC Inverter (COP:4.2)

DC Inverter

Ultra High Efficiency COP 4.2

	Indoor Unit / Outdoor Unit		MS9V-09HRDN1-QC8 / MOC1-09HDN1-QC8	MS9V-12HRDN1-QC4 / MOC1-12HDN1-QC4
Capacity	Cooling Capacity	Btu/h	9000(3100~11500)	12000(3800~14800)
		kW	2.6(0.9~3.4)	3.5(1.1~4.3)
	Heating Capacity	Btu/h	10000(3300~12500)	13000(4000~15500)
		kW	2.9(0.9~3.6)	3.8(1.2~4.5)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	690(280~1100)	1030(360~1480)
		Heating	690(300~1150)	1000(340~1450)
	Operating Current (A)	Cooling	3.1(1.3~4.8)	4.6(1.6~6.5)
		Heating	3.1(1.4~5.0)	4.5(1.7~6.4)
Performance	EER	W/W	3.81	3.41
	COP	W/W	4.21	3.81
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	550/480/400	580/500/440
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/32/26	39/33/27
		Outdoor	54	54
Net Dimension & Weight	Indoor(mm)	WxHxD	845x290x165	845x290x165
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	8.5/38.5	9/39
Packing Dimension	Indoor(mm)	WxHxD	920x365x240	920x365x240
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	10.5/41	11/41.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	95/200/240	95/200/240

Specification_Vida Series (DC inverter)

	Indoor Unit / Outdoor Unit		MS9V-09HRDN1-QC2 / MOR-09HDN1-QC2	MS9V-12HRDN1-QC2 / MOR-12HDN1-QC2	MS9V-18HRDN1-QC2 / MOC-18HDN1-QC2	MS9V-24HRDN1-QC2W / MOF-24HDN1-QC2W
Capacity	Cooling Capacity	Btu/h	9000(2050~11200)	12000(4000~13800)	17000(5100~22000)	23000(12000~25000)
		kW	2.6(0.6~3.3)	3.5(1.2~4.0)	5.0(1.5~6.4)	6.7(3.5~7.3)
	Heating Capacity	Btu/h	10000(3200~13200)	13000(4100~14500)	18000(6400~22000)	25000(11000~27000)
		kW	2.9(0.9~3.9)	3.8(1.2~4.2)	5.3(1.8~6.4)	7.3(3.2~7.9)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	820(230~1070)	1090(350~1170)	1550(350~2300)	2100(820~2500)
		Heating	810(230~960)	1050(350~1100)	1460(480~2000)	2030(800~2700)
	Operating Current (A)	Cooling	3.6(1.0~4.7)	4.8(1.5~5.0)	6.9(1.8~10.2)	9.4(3.6~11.2)
		Heating	3.5(1.0~4.2)	4.6(1.5~4.8)	6.6(2.3~9.0)	9.1(3.5~12.0)
Performance	EER	W/W	3.22	3.23	3.21	3.21
	COP	W/W	3.62	3.63	3.61	3.61
	Energy Rate		A/A	A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	550/480/400	580/500/440	720/600/530	1200/1050/900
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/32/26	39/33/27	40/34/28	47/44/40
		Outdoor	52	52	56	57
Net Dimension & Weight	Indoor(mm)	WxHxD	845x290x165	845x290x165	995x292x200	1075x312x221
	Outdoor(mm)	WxHxD	660x540x255	660x540x255	760x590x285	845x695x335
	Net Weight (kg)	Indoor/Outdoor	8.5/27.5	9/29	11.5/39.5	13/49.5
Packing Dimension	Indoor(mm)	WxHxD	920x365x240	920x365x240	1070x370x275	1160x400x315
	Outdoor(mm)	WxHxD	770x585x325	770x585x325	887x645x355	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	10.5/29.5	11/31	14/42	17/52.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	40-64	50-88
	Stuffing Quantity (Set)	20'/40'/40'HQ	130/275/310	130/275/310	90/190/225	67/136/165

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Specification_Vida Series (ON/OFF)

	Indoor Unit / Outdoor Unit		MS9V-07HRN1-QC2 / MOK1-07HN1-QC2	MS9V-09HRN1-QC2 / MOA1-09HN1-QC2	MS9V-12HRN1-QC2 / MOB1-12HN1-QC2	MS9V-18HRN1-QC0 / MOC-18HN1-QC0	MS9V-21HRN1-QB8W / MOP-21HN1-QB8W	MS9V-24HRN1-QB8W / MOF1-24HN1-QB8W
Capacity	Cooling Capacity	Btu/h	7000	9000	12000	17000	21000	24000
		kW	2.1	2.6	3.5	5.0	6.2	7.0
	Heating Capacity	Btu/h	8000	9500	14000	18000	23000	26000
		kW	2.3	2.8	4.1	5.3	6.3	7.6
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Power Input (W)	Cooling	640	820	1090	1660	2190	2500
		Heating	650	770	1130	1550	2100	2360
	Operating Current (A)	Cooling	2.8	3.7	4.9	7.5	9.5	11.0
		Heating	2.9	3.4	5.1	7.0	9.0	10.5
Performance	EER	W/W	3.21	3.21	3.21	3.01	2.81	2.81
	COP	W/W	3.61	3.61	3.61	3.41	3.21	3.21
	Energy Rate		A/A	A/A	A/A	B/B	C/C	C/C
	Air Flow Volume (m^3/h)	Indoor	430	470	560	810	1030	1150
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	33/29/26	34/30/27	40/35/29	41/36/30	46/43/37	47/44/38
		Outdoor	52	54	54	57	62	62
Net Dimension & Weight	Indoor(mm)	WxHxD	845x165x290	845x165x290	845x165x290	995x200x292	1080x225x320	1080x225x320
	Outdoor(mm)	WxHxD	685x260x430	700x235x535	780x250x540	760x285x590	820x345x600	845x335x695
	Net Weight (kg)	Indoor/Outdoor	9/24	9/24.5	9/32.5	11.5/38.5	14/51	14/52
Packing Dimension	Indoor(mm)	WxHxD	920x240x365	920x240x365	920x240x365	1070x370x275	1160x400x315	1160x400x315
	Outdoor(mm)	WxHxD	795x345x495	815x325x580	910x335x575	887x355x645	940x415x645	965x395x755
	Gross Weight (kg)	Indoor/Outdoor	11/26.5	11/26.5	11/35	14.5/41	17.5/56	17.5/57
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø16.0 (5/8")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		14-23	23-32	27-42	35-60	40-70	45-82
	Stuffing Quantity (Set)	20'/40'/40'HQ	127/279/322	125/263/295	111/237/279	91/191/225	70/150/167	70/150/167

Specification_Vida Series Multi (ON/OFF)

	Indoor Unit		MS9VI-09HRN1-Q	MS9VI-12HRN1-Q
Performance	Cooling/Heating	Btu/h	9000/10000	12000/13000
	Air Flow	m^3/h	550	650
	Noice Level	Hi/Med/Lo	38/35/32	40/37/34
	Net Dimension (mm)	WxHxD	850x290x165	850x290x165
	Packing Dimension (mm)	WxHxD	920x365x240	920x365x240
	Net/Gross Weight	kg	7.5/9	9/11
	Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53

	Outdoor Unit		M2OA-18HRN1	M2OA-21HRN1	M2OA-24HRN1	M3OC-27HRN1-Q	M3OC-30HRN1-Q
Capacity	Cooling Capacity	Btu/h	9000x2	9000+12000	12000+12000	9000x3	9000x2+12000
	Heating Capacity	Btu/h	10000x2	10000+14000	13000+13000	10000x3	10000x2+14000
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling/Heating	840x2/840x2	850+1150/860+1190	1160x2/1170x2	1600+970/1700+1000	1800+1080/1900+1170
	Operating Current (A)	Cooling/Heating	4.0x2/4.0x2	4.0+5.7/4.1+5.7	5.3x2/5.4x2	8.0+5.1/8.1+5.2	8.3+5.4/8.6+5.6
Dimension & Weight	EER/COP	W/W	3.10-B/3.45-B	3.04-B/3.42-B	3.01-B/3.24-C	3.03-B/3.22-C	3.02-B/3.22-C
	Net Dimension (mm)	WxHxD	895x655x345	895x655x345	860x830x330	860x830x330	860x830x330
	Packing Dimension (mm)	WxHxD	1045x700x470	1045x700x470	985x895x425	985x895x425	985x895x425
	Net/Gross Weight	kg	60/65	63/68	72.5/77	78/82	80/83
	Air Flow	m^3/h	2200	2200	3200	3200	3200
	Noice Level	dB(A)	56	56	58	58	58

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Luna *Split*

R410A 220-240V~, 50Hz

Super DC inverter
DC Inverter (COP:4.2)
DC inverter
ON/OFF
Multi ON/OFF

Electronic Expansion Valve

Compared with conventional throttling by utilizing capillary, Electronic Expansion Valve (EEV) makes the refrigerant volume reasonable in the air conditioner system. Under the control of microcomputer, this device throttles up or down the refrigerant precisely according to the actual load situation, which optimizes the use of heat exchanger and improves energy efficiency. Furthermore, EEV extends the flexibility of the air conditioner, improves the performance under different temperature condition especially heating operation in extreme low temperature, also makes the room temperature control more precise.

Freeze Protection (8°C Heating)

In heating operation, the preset temperature of the air conditioner can be as low as 8°C, which keeps the room temperature steady at 8°C and prevents household from freezing when the house is vacant for a long time in severe cold weather.

- Auto Restart Function
- Active Carbon Filter
- LED Display
- Sleep Mode
- Turbo Mode
- Temp Compensation
- Bio Filter
- Golden Fin
- Heating Belt (outdoor)
- Low Ambient Cooling
- Ionizer
- Silver Ion Filter
- Vitamin C Filter
- 3M HAF Filter

Features: Standard Optional

Specification_Luna Series (Super DC inverter)

SUPER DC INVERTER

	Indoor Unit / Outdoor Unit		MS9A-09HRFN1-QD2E / MOC1-09HFN1-QD2E	MS9A-12HRFN1-QD2E / MOF-12HFN1-QD2E
Capacity	Cooling Capacity	Btu/h	9000(3500~13800)	12000(3800~14800)
		kW	2.6(1.0~4.0)	3.5(1.1~4.3)
	Heating Capacity	Btu/h	10000(3800~14500)	13000(4000~15500)
		kW	2.9(1.1~4.2)	3.8(1.2~4.5)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	630(320~1360)	840(360~1480)
		Heating	640(330~1470)	870(370~1560)
	Operating Current (A)	Cooling	3.1(1.4~5.9)	3.8(1.6~6.6)
		Heating	3.2(1.5~6.4)	4.0(1.7~6.8)
Performance	EER	W/W	4.2	4.2
	COP	W/W	4.58	4.38
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	620/520/400	800/700/600
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	40/35/28	43/39/33
		Outdoor	54	55
Net Dimension & Weight	Indoor(mm)	WxHxD	790x265x198	918x292x223
	Outdoor(mm)	WxHxD	760x590x285	845x695x335
	Net Weight (kg)	Indoor/Outdoor	9/39	11.5/47
Packing Dimension	Indoor(mm)	WxHxD	875x335x265	1015x368x295
	Outdoor(mm)	WxHxD	887x645x355	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	11/42	15/51
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	95/202/245	72/150/170

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Luna *Split*

Specification_Luna Series DC Inverter (COP:4.2)

DC Inverter

Ultra High Efficiency COP4.2

	Indoor Unit / Outdoor Unit		MS9A-09HRDN1-QD0 / MOC-09HDN1-QD0	MS9A-12HRDN1-QC6 / MOC-12HDN1-QC6
Capacity	Cooling Capacity	Btu/h	9000(3200~11500)	12000(3800~14000)
		kW	2.6(0.9~3.4)	3.5(1.1~4.1)
	Heating Capacity	Btu/h	10000(3200~12000)	13000(3900~14500)
		kW	2.9(0.9~3.5)	3.8(1.1~4.2)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	650(270~1120)	970(270~1380)
		Heating	690(270~1160)	950(270~1380)
	Operating Current (A)	Cooling	2.9(1.3~5.0)	4.2(1.3~6.0)
		Heating	3.2(1.3~5.2)	4.1(1.3~6.0)
Performance	EER	W/W	4.05	3.62
	COP	W/W	4.25	4.01
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	600/520/400	620/520/400
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	39/34/26	40/35/28
		Outdoor	54	54
Net Dimension & Weight	Indoor(mm)	WxHxD	790x265x198	790x265x198
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	8.5/38	8.5/38
Packing Dimension	Indoor(mm)	WxHxD	875x335x265	875x335x265
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	10.5/40.5	10.5/40.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	95/202/245	95/202/245

Specification_Luna Series (DC inverter)

	Indoor Unit / Outdoor Unit		MS9A-09HRDN1-QC2 / MOR-09HDN1-QC2	MS9A-12HRDN1-QC2 / MOR-12HDN1-QC2	MS9A-18HRDN1-QC2 / MOC-18HDN1-QC2	MS9A-24HRDN1-QC2W / MOF-24HDN1-QC2W
Capacity	Cooling Capacity	Btu/h	9000(3000~10500)	12000(3800~13800)	17000(5200~19000)	23000(12000~25000)
		kW	2.6(0.9~3.0)	3.5(1.1~4.0)	5.0(1.5~5.5)	6.7(3.5~7.3)
	Heating Capacity	Btu/h	10000(3200~11500)	13000(3400~14500)	18000(5300~20000)	25000(11000~27000)
		kW	2.9(0.9~3.4)	3.8(1.0~4.2)	5.3(1.5~5.8)	7.3(3.2~7.9)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	820(270~1100)	1090(300~1350)	1550(350~2050)	2100(820~2500)
		Heating	810(270~1160)	1050(300~1420)	1460(350~2050)	2030(800~2700)
	Operating Current (A)	Cooling	3.8(1.2~5.0)	4.8(1.3~5.9)	6.7(1.6~9.1)	9.4(3.6~11.2)
		Heating	3.7(1.2~5.2)	4.6(1.3~6.2)	6.4(1.6~9.1)	9.1(3.5~12.0)
Performance	EER	W/W	3.22	3.23	3.21	3.21
	COP	W/W	3.62	3.63	3.61	3.61
	Energy Rate		A/A	A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	550/450/350	600/520/400	800/700/600	1150/1000/900
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	37/33/26	39/34/28	43/39/33	49/46/43
		Outdoor	52	52	56	57
Net Dimension & Weight	Indoor(mm)	WxHxD	710x250x190	790x265x198	918x292x223	998x322x235
	Outdoor(mm)	WxHxD	660x540x255	660x540x255	760x590x285	845x695x335
	Net Weight (kg)	Indoor/Outdoor	7.5/27.5	9/29	11.5/39.5	13/49.5
Packing Dimension	Indoor(mm)	WxHxD	770x318x265	875x335x265	1015x368x295	1080x400x320
	Outdoor(mm)	WxHxD	770x585x325	770x585x325	887x645x355	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	9.5/29.5	11/31	15/42	17/52.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	40-64	50-88
	Stuffing Quantity (Set)	20'/40'/40'HQ	150/295/332	135/275/310	88/180/220	65/136/163

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Specification_Luna Series (ON/OFF)

	Indoor Unit / Outdoor Unit		MS9A-07HRN1-QC2 / MOK1-07HN1-QC2	MS9A-09HRN1-QC2 / MOA1-09HN1-QC2	MS9A-12HRN1-QC2 / MOB1-12HN1-QC2	MS9A-18HRN1-QC0 / MOC-18HN1-QC0	MS9A-21HRN1-QB8W / MOP-21HN1-QB8W	MS9A-24HRN1-QB8W / MOF1-24HN1-QB8W
Capacity	Cooling Capacity	Btu/h	7000	9000	12000	17000	21000	24000
		kW	2.1	2.6	3.5	5.0	6.2	7.0
	Heating Capacity	Btu/h	8000	9500	14000	18000	23000	26000
		kW	2.3	2.8	4.1	5.3	6.7	7.6
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Power Input (W)	Cooling	640	820	1090	1660	2190	2500
		Heating	650	770	1130	1550	2100	2360
	Operating Current (A)	Cooling	2.8	3.7	4.9	7.5	9.5	11.0
		Heating	2.8	3.4	5.1	7.0	9.0	10.5
Performance	EER	W/W	3.21	3.21	3.23	3.01	2.81	2.81
	COP	W/W	3.61	3.61	3.63	3.41	3.21	3.21
	Energy Rate		A/A	A/A	A/A	B/B	C/C	C/C
	Air Flow Volume (m^3/h)	Indoor	430	500	580	860	1100	1220
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	36/33/30	38/35/32	39/37/34	42/39/37	45/42/40	48/46/43
		Outdoor	51	54	54	57	62	62
Net Dimension & Weight	Indoor(mm)	WxHxD	710x250x190	710x250x190	790x265x198	918x292x223	998x322x235	998x322x235
	Outdoor(mm)	WxHxD	685x430x260	700x535x235	780x540x250	760x590x285	820x600x345	845x695x335
	Net Weight (kg)	Indoor/Outdoor	7/24	7.5/24.5	9/32.5	11.5/38.5	15.5/51	16/52
Packing Dimension	Indoor(mm)	WxHxD	770x318x265	770x318x265	875x335x265	1015x368x295	1080x400x320	1080x400x320
	Outdoor(mm)	WxHxD	795x495x345	815x580x325	910x575x335	887x645x355	940x645x415	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	9/26.5	9/26.5	11/35	14.5/41	18.5/56	19/57
Piping Size	Liquid(mm(inch))		Ø6.35(1/4")	Ø6.35(1/4")	Ø6.35(1/4")	Ø6.35(1/4")	Ø9.53(3/8")	Ø9.53(3/8")
	Gas(mm(inch))		Ø9.53(3/8")	Ø9.53(3/8")	Ø9.53(3/8")	Ø12.7(1/2")	Ø16.0(5/8")	Ø16.0(5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		14-23	23-32	27-42	35-60	40-70	45-82
	Stuffing Quantity (Set)	20'/40'/40'HQ	143/302/345	137/286/317	112/231/259	89/182/215	77/159/175	68/138/165

Specification_Luna Series Multi (ON/OFF)

	Indoor Unit		MS9AI-09HRN1-Q	MS9AI-12HRN1-Q	MS9AI-18HRN1-Q
Performance	Cooling/Heating	Btu/h	9000/11000	12000/13000	18000/20000
	Air Flow	m^3/h	500	600	850
	Noice Level	Hi/Med/Lo	37/34/31	40/37/34	42/39/37
	Net Dimension (mm)	WxHxD	710x250x190	790x265x198	918x292x240
	Packing Dimension (mm)	WxHxD	770x318x265	875x335x265	1015x368x295
	Net/Gross Weight	kg	7.5/9.5	9/11	11.5/15
	Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø9.53	Ø6.35/Ø12.7

	Outdoor Unit		M2OA-18HRN1	M2OA-21HRN1	M2OA-24HRN1	M2OA-30HRN1	M3OC-27HRN1-Q	M3OC-30HRN1-Q
Capacity	Cooling Capacity	Btu/h	9000x2	9000+12000	12000+12000	12000+18000	9000x3	9000x2+12000
	Heating Capacity	Btu/h	10000x2	10000+14000	13000+13000	13000+18000	10000x3	10000x2+14000
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling/Heating	840x2/840x2	850+1150/860+1190	1160x2/1170x2	1170+1730/1160+1670	1600+970/1700+1000	1800+1080/1900+1170
	Operating Current (A)	Cooling/Heating	4.0x2/4.0x2	4.0+5.7/4.1+5.7	5.3x2/5.4x2	5.4+7.9/5.3+7.6	8.0+5.1/8.1+5.2	8.3+5.4/8.6+5.6
Dimension & Weight	EER/COP	W/W	3.10-B/3.45-B	3.04-B/3.42-B	3.01-B/3.24-C	3.00-B/3.21-C	3.03-B/3.22-C	3.02-B/3.22-C
	Net Dimension (mm)	WxHxD	895x655x345	895x655x345	860x830x330	860x830x330	860x830x330	860x830x330
	Packing Dimension (mm)	WxHxD	1045x700x470	1045x700x470	985x895x425	985x895x425	985x895x425	985x895x425
	Net/Gross Weight	kg	60/65	63/68	72.5/77	75/79	78/82	80/83
	Air Flow	m^3/h	2200	2200	3200	3200	3200	3200
	Noice Level	dB(A)	56	56	58	58	58	58

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Corona *Split*

R410A

220-240V~, 50Hz

Super DC inverter

DC Inverter (COP:4.2)

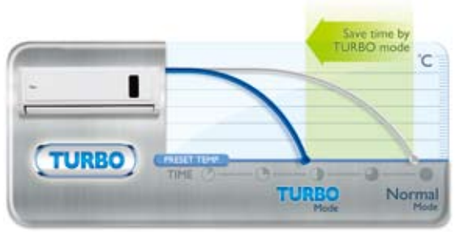
DC inverter

ON/OFF

Multi ON/OFF

Turbo Operation

With this function, the air conditioner will maximize the output of cooling or heating capacity, make the room cool down or heat up rapidly, and attain the desired temperature in the shortest time.



Sleep Mode

This function enables the unit to automatically increase (cooling) or decrease (heating) 1° c per hour for the first two hours, then hold steady for the next 5 hours, after that the unit will stop operation. It can maintain the optimal temperature and save energy.

- Auto Restart Function
- Active Carbon Filter
- LED Display
- Sleep Mode
- Turbo Mode
- Temp Compensation
- Two-direction Air Vane
- Bio Filter
- Golden Fin
- Low Ambient Cooling
- Heating Belt (outdoor)
- Plasma
- Ionizer
- Silver Ion Filter
- Vitamin C Filter
- 3M HAF Filter

Features: Standard Optional

Specification_Corona Series (Super DC inverter)

SUPER DC INVERTER

	Indoor Unit / Outdoor Unit		MSC-09HRFN1-ND2E / MOC-09HFN1-ND2E	MSC-12HRFN1-ND0E / MOC-12HFN1-ND0E
Capacity	Cooling Capacity	Btu/h	9000(3400-11200)	11000(4000-13500)
		kW	2.6(1.0-3.3)	3.2(1.2-4.0)
	Heating Capacity	Btu/h	10000(3500-12000)	12000(4200-14500)
		kW	2.9(1.0-3.5)	3.5(1.3-4.2)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50/60, 1	220-240, 50/60, 1
	Power Input (W)	Cooling	630(220-1000)	800(280-1220)
		Heating	700(240-1100)	880(300-1300)
	Operating Current (A)	Cooling	3.2(1.1-4.8)	4.0(1.4-6.0)
		Heating	3.5(1.2-5.4)	4.3(1.5-6.4)
Performance	EER	W/W	4.2	4.0
	COP	W/W	4.2	4.0
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	600	630
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	39/34/28	41/36/29
		Outdoor	54	54
Net Dimension & Weight	Indoor(mm)	WxHxD	790x265x195	790x265x195
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	8/41	8.5/41
Packing Dimension	Indoor(mm)	WxHxD	875x375x285	875x375x285
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	11/44	11.5/44
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	92/184/225	92/184/225

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Corona *Split*

Specification_Corona Series DC Inverter (COP:4.2)

DC Inverter

Ultra High Efficiency COP 4.2

	Indoor Unit / Outdoor Unit		MSC-09HRDN1-QD0 / MOC-09HDN1-QD0	MSC-12HRDN1-QC6 / MOC-12HDN1-QC6
Capacity	Cooling Capacity	Btu/h	9000(3100-11200)	12000(3800-14700)
		kW	2.6(0.9-3.3)	3.5(1.1-4.3)
	Heating Capacity	Btu/h	10000(3300-12300)	13000(4000-15200)
		kW	2.9(1.0-3.6)	3.8(1.2-4.4)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1
	Power Input (W)	Cooling	660(300-1100)	970(400-1480)
		Heating	690(310-1150)	950(390-1460)
	Operating Current (A)	Cooling	2.9(1.3-4.8)	4.3(1.8-6.5)
		Heating	3.0(1.4-5.0)	4.2(1.7-6.4)
Performance	EER	W/W	4.0	3.62
	COP	W/W	4.2	4.0
	Energy Rate		A+/A+	A+/A+
	Air Flow Volume (m^3/h)	Indoor	600	620
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	40/35/28	41/36/29
		Outdoor	54	54
Net Dimension & Weight	Indoor(mm)	WxHxD	790x265x195	790x265x195
	Outdoor(mm)	WxHxD	760x590x285	760x590x285
	Net Weight (kg)	Indoor/Outdoor	9/40.5	9/40.5
Packing Dimension	Indoor(mm)	WxHxD	875x375x285	875x375x285
	Outdoor(mm)	WxHxD	887x645x355	887x645x355
	Gross Weight (kg)	Indoor/Outdoor	11/43	11/43
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	92/184/225	92/184/225

Specification_Corona Series (DC inverter)

	Indoor Unit / Outdoor Unit		MSC-09HRDN1-QC2 / MOR-09HDN1-QC2	MSC-12HRDN1-QC2 / MOR-12HDN1-QC2	MSC-18HRDN1-QC2(C) / MOC-18HDN1-QC2	MSC-24HRDN1-QC2W / MOF-24HDN1-QC2W
Capacity	Cooling Capacity	Btu/h	9000(2050~11200)	12000(4000~13800)	17000(5100-22000)	23000(12000~25000)
		kW	2.6(0.6-3.3)	3.5(1.2-4.0)	5.0(1.5-6.4)	6.7(3.5~7.3)
	Heating Capacity	Btu/h	10000(3200~13200)	13000(4100~14500)	17500(5300-23000)	25000(11000~27000)
		kW	2.9(0.9-3.8)	3.8(1.2-4.2)	5.1(1.6-6.7)	7.3(3.2~7.9)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	820(230~1070)	1090(350~1170)	1550(380-2300)	2100(820~2500)
		Heating	810(230~960)	1050(350~1100)	1420(350-2100)	2030(800~2700)
	Operating Current (A)	Cooling	3.6(1.0~4.7)	4.8(1.5~5.0)	6.9(1.8-10.2)	9.4(3.6~11.2)
		Heating	3.5(1.0~4.2)	4.6(1.5~4.8)	6.4(1.6-9.5)	9.1(3.5~12.0)
Performance	EER	W/W	3.22	3.23	3.21	3.21
	COP	W/W	3.62	3.63	3.61	3.61
	Energy Rate		A/A	A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	550	620	800	1150
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	39/33/28	40/35/29	45/40/37	48/45/41
		Outdoor	52	52	56	58
Net Dimension & Weight	Indoor(mm)	WxHxD	710x250x195	790x265x195	920x292x225	1080x330x225
	Outdoor(mm)	WxHxD	660x540x255	660x540x255	760x590x285	845x695x335
	Net Weight (kg)	Indoor/Outdoor	7.5/27.5	9/29	11.5/40.5	15.5/49.5
Packing Dimension	Indoor(mm)	WxHxD	800x340x270	875x375x285	1015x368x295	1165x445x320
	Outdoor(mm)	WxHxD	770x585x325	770x585x325	887x645x355	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	9.5/29.5	11/31	14.5/43	20.5/52.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	40-64	50-88
	Stuffing Quantity (Set)	20'/40'/40'HQ	140/280/310	120/250/290	90/181/216	65/134/155

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Specification_Corona Series (ON/OFF)

	Indoor Unit / Outdoor Unit		MSC-07HRN1-QC2 / MOK2-07HN1-QC2	MSC-09HRN1-QC2 / MOA1-09HN1-QC2	MSC1-12HRN1-QC2 / MOB2-12HN1-QC2	MSC-18HRN1-QC2 / MOF-18HN1-QC2	MSC-21HRN1-QB8W / MOF2-21HN1-QB8W	MSC-24HRN1-QB8W / MOF2-24HN1-QB8W
Capacity	Cooling Capacity	Btu/h	7000	8500	11000	18000	21000	24000
		kW	2.1	2.5	3.2	5.3	6.2	7.0
	Heating Capacity	Btu/h	7000	9500	11000	19000	23000	25000
		kW	2.1	2.7	3.2	5.6	6.7	7.3
Electrical Parts	Power Supply	V~,Hz,Ph	1, 220-240V~, 50Hz	1, 220-240V~, 50Hz	1, 220-240V~, 50Hz	1, 220-240V~,50Hz	220-240V~,50HZ	1, 220-240V~, 50Hz
	Power Input (W)	Cooling	640	775	1000	1640	2200	2510
		Heating	568	770	890	1540	2100	2280
	Operating Current (A)	Cooling	2.75	3.5	4.4	7.4	9.5	11.5
		Heating	2.5	3.4	4.0	6.9	10.2	10.4
Performance	EER	W/W	3.21	3.21	3.22	3.21	2.81	2.81
	COP	W/W	3.61	3.61	3.62	3.61	3.21	3.21
	Energy Rate		A/A	A/A	A/A	A/A	C/C	C/C
	Air Flow Volume (m^3/h)	Indoor	450	500	580	850	1020	1080
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	37/32/29	39/34/29	40/35/31	44/40/37	47/44/40	48/45/42
		Outdoor	52	53	54	58	59	60
Net Dimension & Weight	Indoor(mm)	WxHxD	710x250x195	710x250x195	790x265x195	920x292x225	1080x330x225	1080x330x225
	Outdoor(mm)	WxHxD	685X420X250	700x535x235	780x540x250	845x695x335	845x695x335	845x695x335
	Net Weight (kg)	Indoor/Outdoor	8/25.5	8/24.5	9/26	12/44	17/58	17/53
Packing Dimension	Indoor(mm)	WxHxD	800x340x270	800x340x270	875x375x285	1015x368x295	1165X445X320	1165X445X320
	Outdoor(mm)	WxHxD	795x495x345	815x580x325	910x575x335	965x755X395	965X755X395	965X755X395
	Gross Weight (kg)	Indoor/Outdoor	9.5/29.5	9.5/26.5	11/28	15/47.5	21/62	22/57
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø12.7 (1/2")	Ø16.0 (5/8")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		14-23	23-32	27-42	35-60	40-70	45-82
	Stuffing Quantity (Set)	20'/40'/40'HQ	140/280/341	129/269/300	120/252/285	70 / 148 / 170	60/132/142	60/132/142

Specification_Corona Series Multi (ON/OFF)

	Indoor Unit		MSCI-09HRN1	MSCI-12HRN1	MSCI-18HRN1
Performance	Cooling/Heating	Btu/h	9000/11000	12000/13000	18000/20000
	Air Flow	m^3/h	500	600	850
	Noice Level	Hi/Med/Lo	37/34/31	40/37/34	42/39/37
	Net Dimension (mm)	WxHxD	710x250x195	790x265x195	920x292x225
	Packing Dimension (mm)	WxHxD	800x340x270	875x375x285	1015x368x295
	Net/Gross Weight	kg	8/9.5	9/11	12/14
	Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø12.7	Ø6.35/Ø12.7

	Outdoor Unit		M2OA-18HRN1	M2OA-21HRN1	M2OA-24HRN1	M2OA-30HRN1	M3OC-27HRN1-Q	M3OC-30HRN1-Q
Capacity	Cooling Capacity	Btu/h	9000x2	9000+12000	12000+12000	12000+18000	9000x3	9000x2+12000
	Heating Capacity	Btu/h	10000x2	10000+14000	13000+13000	13000+18000	10000x3	10000x2+14000
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling/Heating	840x2/840x2	850+1150/860+1190	1160x2/1170x2	1170+1730/1160+1670	1600+970/1700+1000	1800+1080/1900+1170
	Operating Current (A)	Cooling/Heating	4.0x2/4.0x2	4.0+5.7/4.1+5.7	5.3x2/5.4x2	5.4+7.9/5.3+7.6	8.0+5.1/8.1+5.2	8.3+5.4/8.6+5.6
Dimension & Weight	EER/COP	W/W	3.10-B/3.45-B	3.04-B/3.42-B	3.01-B/3.24-C	3.00-B/3.21-C	3.03-B/3.22-C	3.02-B/3.22-C
	Net Dimension (mm)	WxHxD	895x655x345	895x655x345	860x830x330	860x830x330	860x830x330	860x830x330
	Packing Dimension (mm)	WxHxD	1045x700x470	1045x700x470	985x895x425	985x895x425	985x895x425	985x895x425
	Net/Gross Weight	kg	60/65	63/68	72.5/77	75/79	78/82	80/83
	Air Flow	m^3/h	2200	2200	3200	3200	3200	3200
	Noice Level	dB(A)	56	56	58	58	58	58

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Glory *Split*

R410A 220-240V~, 50Hz

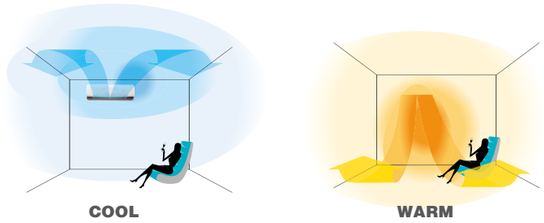
DC Inverter

ON/OFF

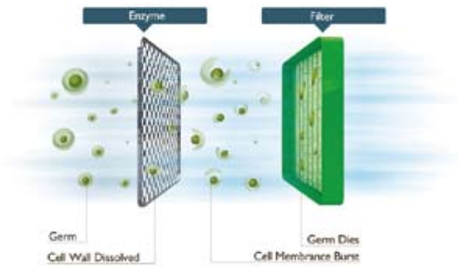
Multi ON/OFF

Two-direction Air Vane

In cooling mode, the air vane opens upward, which directs the air horizontally. It allows for rapid and evenly distributed temperature fall. In heating mode, the air vane opens downward, which directs the air towards the floor. It allows for rapid and evenly distributed temperature rise.

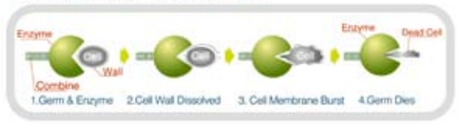


Bio Filter



Bio Filter consists of a specialized biological enzyme and Eco filter. The Eco filter catches very small airborne dust particles and neurilities bacteria, fungi and microbes. Biological enzyme eliminates bacteria by dissolving their cell wall thus eliminating their cell wall thus eliminating the problem of re-pollution.

Sterilization mechanism of Bio Filter



- Auto Restart Function
- Active Carbon Filter
- Sleep Mode
- Turbo Mode
- Temp Compensation
- Two-direction Air Vane
- Bio Filter
- Golden Fin
- Low Ambient Cooling
- Heating Belt (outdoor)
- Silver Ion Filter
- Vitamin C Filter
- 3M HAF Filter

Features: Standard Optional

Specification_Glory Series (DC Inverter)

DC Inverter

	Indoor Unit / Outdoor Unit		MSG-09HRDN1-QC2 / MOR-09HDN1-QC2	MSG-12HRDN1-QC2 / MOR2-12HDN1-QC2	MSG-18HRDN1-QC2(C) / MOC-18HDN1-QC2	MSG-24HRDN1-QC2W / MOF-24HDN1-QC2W
Capacity	Cooling Capacity	Btu/h	8500(2250-10000)	12000(4000-13500)	17000(5100-22000)	23000(12000~25000)
		kW	2.5(0.7-2.9)	3.5(1.2-4.0)	5.0(1.5-6.5)	6.7(3.5~7.3)
	Heating Capacity	Btu/h	9000(2300-11000)	13000(4200-14500)	17000(5300-23000)	25000(11000~27000)
		kW	2.6(0.7-3.2)	3.8(1.3-4.3)	5.0(1.6-6.7)	7.3(3.2~7.9)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	770(180-1100)	1090(280-1220)	1550(380-2300)	2100(820~2500)
		Heating	730(170-1050)	1050(300-1300)	1380(350-2000)	2030(800~2700)
	Operating Current (A)	Cooling	3.4(0.9-4.8)	4.8(1.4-6.0)	6.9(1.8-10.2)	9.4(3.6~11.2)
		Heating	3.2(0.8-4.6)	4.6(1.5-6.4)	6.2(1.6-9.0)	9.1(3.5~12.0)
Performance	EER	W/W	3.23	3.23	10.9,3.21	3.21
	COP	W/W	3.61	3.63	3.61	3.61
	Energy Rate		A/A	A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	500	550	800	1150/970/900
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/32/27	41/35/29	45/40/34	49/44/42
		Outdoor	52	52	56	57
Net Dimension & Weight	Indoor(mm)	WxHxD	750x250x196	815x280x195	906x286x235	1080x330x228
	Outdoor(mm)	WxHxD	660x540x255	660x540x255	760x590x285	845x695x335
	Net Weight (kg)	Indoor/Outdoor	7.5/27.5	9.5/29	11/40.5	15.5/49.5
Packing Dimension	Indoor(mm)	WxHxD	830x335x280	915x360x275	1020x381x328	1165x445x320
	Outdoor(mm)	WxHxD	770x585x325	770x585x325	887x655x355	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	9.5/29.5	11.5/31	15/43	17/52.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	40-64	50-88
	Stuffing Quantity (Set)	20'/40'/40'HQ	134/270/312	125/260/302	88/170/200	63/133/144

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Glory *Split*

Specification_Glory Series (ON/OFF)

	Indoor Unit Outdoor Unit		MSG-07HRN1-QC2 MOK-07HN1-QC2	MSG-09HRN1-QC2 MOA1-09HN1-QC2	MSG-12HRN1-QC2 MOB2-12HN1-QC2
Capacity	Cooling Capacity	Btu/h	7000	8500	11000
		kW	2.1	2.5	3.2
	Heating Capacity	Btu/h	7500	9000	11000
		kW	2.2	2.6	3.2
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~, 50Hz, 1	220-240V~, 50Hz, 1	220-240V~, 50Hz, 1
	Power Input (W)	Cooling	640	775	1000
		Heating	609	730	890
	Operating Current (A)	Cooling	2.8	3.5	4.4
		Heating	2.7	3.4	4.0
Performance	EER	W/W	3.21	3.21	3.21
	COP	W/W	3.6	3.61	3.61
	Energy Rate		A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	450	500	580
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	37/33/29	38/34/31	39/35/32
		Outdoor	52	53	54
Net Dimension & Weight	Indoor(mm)	WxHxD	750x250x198	750x250x198	815x280x195
	Outdoor(mm)	WxHxD	685x420x250	700x535x235	780x540x250
	Net Weight (kg)	Indoor/Outdoor	7.5/21	8/24.5	9.5/26
Packing Dimension	Indoor(mm)	WxHxD	830x335x280	830x335x280	915x360x275
	Outdoor(mm)	WxHxD	795x495x345	815x580x325	910x575x335
	Gross Weight (kg)	Indoor/Outdoor	9.5/25	10/26.5	12/28
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		14-23	23-32	27-42
	Stuffing Quantity (Set)	20'/40'/40'HQ	134/270/326	134/270/326	102/220/260

	Indoor Unit Outdoor Unit		MSG-18HRN1-QB8 MOE-18HN1-QB8	MSG1-24HRN1-QB8W MOF2-24HN1-QB8W	MSG-36HRN1-RB9 MSG-36HRN1-RB9
Capacity	Cooling Capacity	Btu/h	17000	24000	32000
		kW	5.0	7.0	9.4
	Heating Capacity	Btu/h	18000	25000	36000
		kW	5.3	7.3	10.6
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~, 50Hz, 1	220-240V~, 50Hz, 1	220-240V~, 50Hz, 3
	Power Input (W)	Cooling	1770	2510	3230
		Heating	1640	2280	3350
	Operating Current (A)	Cooling	7.7	11.5	6.3
		Heating	7.2	10.4	6.8
Performance	EER	W/W	2.82	2.82	2.91
	COP	W/W	3.21	3.22	3.15
	Energy Rate		C/C	C/C	C/C
	Air Flow Volume (m^3/h)	Indoor	800	1050	1350
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	45/40/37	48/43/39	52/49/45
		Outdoor	56	59	62
Net Dimension & Weight	Indoor(mm)	WxHxD	906x286x235	1080x330x222	1250x325x230
	Outdoor(mm)	WxHxD	760x590x285	845x695x335	895x857x302
	Net Weight (kg)	Indoor/Outdoor	11.5/39	17/53	18/78
Packing Dimension	Indoor(mm)	WxHxD	1020x381x328	1165x445x320	1345x430x335
	Outdoor(mm)	WxHxD	887x645x355	965x755x395	1043x915x395
	Gross Weight (kg)	Indoor/Outdoor	14.5/42	22/57	23/83
Piping Size	Liquid(mm(inch))		Ø6.35(1/4")	Ø9.53(3/8")	Ø9.53(3/8")
	Gas(mm(inch))		Ø12.7(1/2")	Ø16.0(5/8")	Ø16.0(5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		35-60	45-82	68-110
	Stuffing Quantity (Set)	20'/40'/40'HQ	80/168/204	60/127/142	47/98/112

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Specification_Glory Series Multi (ON/OFF)

	Indoor Unit		MSGI-09HRN1	MSGI-12HRN1
Performance	Cooling/Heating	Btu/h	9000/10000	12000/13000
	Air Flow	m^3/h	510	660
	Noice Level	Hi/Med/Lo	38/34/29	39/34/30
	Net Dimension (mm)	WxHxD	750x250x188	750x250x188
	Packing Dimension (mm)	WxHxD	830x336x280	830x336x280
	Net/Gross Weight	kg	8.5/10	8.5/10
	Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø12.7

	Outdoor Unit		M2OA-18HRN1	M2OA-21HRN1	M2OA-24HRN1
Capacity	Cooling Capacity	Btu/h	9000x2	9000+12000	12000+12000
	Heating Capacity	Btu/h	10000x2	10000+14000	13000+13000
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling/Heating	840x2/840x2	850+1150/860+1190	1160x2/1170x2
	Operating Current (A)	Cooling/Heating	4.0x2/4.0x2	4.0+5.7/4.1+5.7	5.3x2/5.4x2
Dimension & Weight	EER/COP	W/W	3.10-B/3.45-B	3.04-B/3.42-B	3.01-B/3.24-C
	Net Dimension (mm)	WxHxD	895x655x345	895x655x345	860x830x330
	Packing Dimension (mm)	WxHxD	1045x700x470	1045x700x470	985x895x425
	Net/Gross Weight	kg	60/65	63/68	72.5/77
	Air Flow	m^3/h	2200	2200	3200
	Noice Level	dB(A)	56	56	58

	Outdoor Unit		M3OC-27HRN1-Q	M3OC-30HRN1-Q
Capacity	Cooling Capacity	Btu/h	9000x3	9000x2+12000
	Heating Capacity	Btu/h	10000x3	10000x2+14000
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling/Heating	1600+970/1700+1000	1800+1080/1900+1170
	Operating Current (A)	Cooling/Heating	8.0+5.1/8.1+5.2	8.3+5.4/8.6+5.6
Dimension & Weight	EER/COP	W/W	3.03-B/3.22-C	3.02-B/3.22-C
	Net Dimension (mm)	WxHxD	860x830x330	860x830x330
	Packing Dimension (mm)	WxHxD	985x895x425	985x895x425
	Net/Gross Weight	kg	78/82	80/83
	Air Flow	m^3/h	3200	3200
	Noice Level	dB(A)	58	58

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

R *Split*

R410A 220-240V~, 50Hz

DC Inverter

ON/OFF

Multi ON/OFF

TEMP. Compensation

The ceiling temperature is often higher than the floor temperature. This function can automatically eliminate the temperature difference between them.

3M HAF Filter

The filter can collect the particles down to 0.1um. When equipped with Ionizer, the efficiency can be much more improved.The filter can protect itself from mildew breeding.

- Auto Restart Function
- Active Carbon Filter
- LED Display
- Sleep Mode
- Turbo Mode
- Temp Compensation
- Bio Filter
- Golden Fin
- Heating Belt (outdoor)
- Low Ambient Cooling
- Silver Ion Filter
- Vitamin C Filter
- 3M HAF Filter

Features: Standard Optional

Specification_R Series (DC Inverter)

DC Inverter

	Indoor Unit / Outdoor Unit		MSR1-09HRDN1-QC8 / MOC-09HDN1-QC8	MSR1-12HRDN1-QC4 / MOC-12HDN1-QC4	MSR1-09HRDN1-QC2 / MOR-09HDN1-QC2	MSR1-12HRDN1-QC2 / MOR2-12HDN1-QC2	MSR1-18HRDN1-QC2(C) / MOC-18HDN1-QC2	MSR1-24HRDN1-QC2W / MOF-24HDN1-QC2W
Capacity	Cooling Capacity	Btu/h	9000(3100~11500)	11000(3800~14000)	8500(2250~10000)	11000(2450~13500)	17000(5100~22000)	23000(12000~25000)
		kW	2.6(0.9~3.4)	3.2(1.1~4.1)	2.5(0.7~2.9)	3.2(0.7~4.0)	5.0(1.5~6.4)	6.7(3.5~7.3)
	Heating Capacity	Btu/h	10000(3200~12000)	12500(3900~14500)	9500(2300~11000)	12500(2800~16000)	17000(5300~23000)	25000(11000~27000)
		kW	2.9(0.9~3.5)	3.7(1.1~4.2)	2.8(0.7~3.2)	3.6(0.8~4.6)	5.0(1.5~6.7)	7.3(3.2~7.9)
Electrical Parts	Power Supply	V~,Hz,Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph	220-240V~,50Hz,1Ph
	Power Input (W)	Cooling	690(270~1100)	940(340~1380)	770(180~1100)	1000(210~1380)	1550(380~2300)	2100(820~2500)
		Heating	720(270~1160)	960(360~1450)	770(170~1050)	1010(210~1480)	1380(350~2000)	2030(800~2700)
	Operating Current (A)	Cooling	3.1(1.2~4.8)	4.1(1.6~5.8)	3.4(0.9~4.8)	4.4(1.0~6.2)	6.9(1.8~10.2)	9.4(3.6~11.2)
		Heating	3.3(1.2~5.2)	4.2(1.7~6.0)	3.4(0.8~4.6)	4.5(1.0~6.6)	6.2(1.6~9.0)	9.1(3.5~12.0)
Performance	EER	W/W	3.82	3.42	3.23	3.22	3.21	3.21
	COP	W/W	4.07	3.82	3.61	3.63	3.61	3.61
	Energy Rate		A+/A+	A+/A+	A/A	A/A	A/A	A/A
	Air Flow Volume (m^3/h)	Indoor	550/450/350	550/450/350	450/380/300	550/450/350	800/700/600	1150/1050/900
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	41/36/30	41/36/30	36/33/26	41/35/29	45/42/37	48/45/41
		Outdoor	54	54	52	52	56	57
Net Dimension & Weight	Indoor(mm)	WxHxD	790x275x190	790x275x190	710x250x189	790x275x190	940x275x198	1030x313x221
	Outdoor(mm)	WxHxD	760x590x285	760x590x285	660x540x255	660x540x255	760x590x285	845x695x335
	Net Weight (kg)	Indoor/Outdoor	8.5/38.5	8.5/39	7/27.5	8.5/29	11/40.5	15.5/49.5
Packing Dimension	Indoor(mm)	WxHxD	865x350x265	865x350x265	775x324x260	865x350x265	1015x350x265	1135x435x315
	Outdoor(mm)	WxHxD	887x645x355	887x645x355	770x585x325	770x585x325	887x645x355	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	10.5/41	10.5/41.5	8.5/29.5	10.5/31	13/43	17/52.5
Piping Size	Liquid(mm(inch))		Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø6.35 (1/4")	Ø9.53 (3/8")
	Gas(mm(inch))		Ø9.53 (3/8")	Ø12.7 (1/2")	Ø9.53 (3/8")	Ø9.53 (3/8")	Ø12.7 (1/2")	Ø16.0 (5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		25-35	30-45	25-35	30-45	40-64	50-88
	Stuffing Quantity (Set)	20'/40'/40'HQ	95/196/240	95/196/240	145/295/335	135/275/310	90/181/216	64/132/155

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

R *Split*

Specification_R Series (ON/OFF)

	Indoor Unit / Outdoor Unit		MSR1-07HRN1-QC2(A) / MOK1-07HN1-QC2	MSR1-09HRN1-QC2(A) / MOA1-09HN1-QC2	MSR1-12HRN1-QC2 / MOB2-12HN1-QC2	MSR1-18HRN1-QB8 / MOE-18HN1-QB8	MSR1-21HRN1-QB8W / MOF-21HN1-QB8W	MSR1-24HRN1-QB8W / MOF2-24HN1-QB8W
Capacity	Cooling Capacity	Btu/h	7000	9000	11000	17000	21000	24000
		kW	2.1	2.6	3.2	5.0	6.2	7.0
	Heating Capacity	Btu/h	8000	9500	11000	18000	24000	25000
		kW	2.3	2.8	3.2	5.3	7.0	7.3
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Power Input (W)	Cooling	640	820	1000	1700	2190	2510
		Heating	650	770	890	1640	2190	2280
	Operating Current (A)	Cooling	2.8	3.7	4.4	7.7	10.0	11.5
		Heating	2.8	3.4	3.9	7.5	10.0	10.4
Performance	EER	W/W	3.21	3.21	3.22	2.93	2.81	2.81
	COP	W/W	3.61	3.61	3.62	3.21	3.21	3.21
	Energy Rate		A/A	A/A	A/A	C/C	C/C	C/C
	Air Flow Volume (m^3/h)	Indoor	420	460	580	800	1000	1050
	Noise Level (dB(A))	Indoor(Hi/Med/Lo)	35/32/29	37/34/31	42/39/31	45/42/37	47/44/40	48/45/42
		Outdoor	52	54	54	56	59	60
Net Dimension & Weight	Indoor(mm)	WxHxD	710x250x189	710x250x189	790x275x195	940x275x198	1030x221x313	1030x221x313
	Outdoor(mm)	WxHxD	685x430x260	700x535x235	780x540x250	760x590x285	845x695x335	845x695x335
	Net Weight (kg)	Indoor/Outdoor	7/24	7/24.5	9/26	10/39	13/58	13.5/53
Packing Dimension	Indoor(mm)	WxHxD	775x324x260	775x324x260	865x350x265	1015x350x265	1135x435x315	1135x435x315
	Outdoor(mm)	WxHxD	795x495x345	815x580x325	910x575x335	887x645x355	965x755x395	965x755x395
	Gross Weight (kg)	Indoor/Outdoor	8.5/26.5	8.5/26.5	11/28	13/42	20/62	20/57
Piping Size	Liquid(mm(inch))		Ø6.35(1/4")	Ø6.35(1/4")	Ø6.35(1/4")	Ø6.35(1/4")	Ø9.53(3/8")	Ø9.53(3/8")
	Gas(mm(inch))		Ø9.53(3/8")	Ø9.53(3/8")	Ø12.7(1/2")	Ø12.7(1/2")	Ø16.0(5/8")	Ø16.0(5/8")
Applicable Area & Stuffing Quantity	Applicable Area (m^2)		14-23	23-32	27-42	40-70	45-82	52-90
	Stuffing Quantity (Set)	20'/40'/40'HQ	141/295/346	135/287/322	108/225/255	85/180/205	64/134/150	64/134/150

Specification_R Series Multi (ON/OFF)

	Indoor Unit		MSR11-09HRN1-Q	MSR11-12HRN1
Performance	Cooling/Heating	Btu/h	9000/10000	11000/12000
	Air Flow	m^3/h	380	550
	Noice Level	Hi/Med/Lo	39/36/32	43/41/35
	Net Dimension (mm)	WxHxD	710x250x189	790x275x190
	Packing Dimension (mm)	WxHxD	775x324x260	865x350x265
	Net/Gross Weight	kg	7/8.5	8.5/11
	Liquid/Gas Side	mm	Ø6.35/Ø9.53	Ø6.35/Ø12.7

	Outdoor Unit		M2OA-18HRN1	M2OA-21HRN1	M2OA-24HRN1	M3OC-27HRN1-Q	M3OC-30HRN1-Q
Capacity	Cooling Capacity	Btu/h	9000x2	9000+12000	12000+12000	9000x3	9000x2+12000
	Heating Capacity	Btu/h	10000x2	10000+14000	13000+13000	10000x3	10000x2+14000
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1
	Power Input (W)	Cooling/Heating	840x2/840x2	850+1150/860+1190	1160x2/1170x2	1600+970/1700+1000	1800+1080/1900+1170
	Operating Current (A)	Cooling/Heating	4.0x2/4.0x2	4.0+5.7/4.1+5.7	5.3x2/5.4x2	8.0+5.1/8.1+5.2	8.3+5.4/8.6+5.6
Dimension & Weight	EER/COP	W/W	3.10-B/3.45-B	3.04-B/3.42-B	3.01-B/3.24-C	3.03-B/3.22-C	3.02-B/3.22-C
	Net Dimension (mm)	WxHxD	895x655x345	895x655x345	860x830x330	860x830x330	860x830x330
	Packing Dimension (mm)	WxHxD	1045x700x470	1045x700x470	985x895x425	985x895x425	985x895x425
	Net/Gross Weight	kg	60/65	63/68	72.5/77	78/82	80/83
	Air Flow	m^3/h	2200	2200	3200	3200	3200
	Noice Level	dB(A)	56	56	58	58	58

Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date relects the level in anechoic chamber.

Portable