



New Refrigerant 50Hz

Residential Air Conditioners

2011



The International Division

Midea Air Conditioning and Refrigeration Sector

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Corporate Introduction

Midea Group

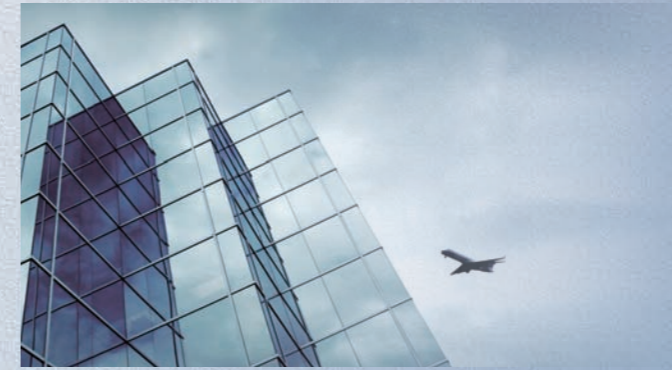


From its humble beginnings in 1968, Midea has developed into a large corporation, covering HVAC, appliances, lighting, industrial components, logistics, and real estate. Its 40 years of relentless growth has brought its global turnover to \$14 billion USD in 2009. Consequently, Midea has created over 150,000 jobs both within China and all over the world. In addition to providing affordable goods to consumers worldwide, Midea is 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. Additionally, Midea has several forthcoming plants in order to offer enhanced products and services closer to the market.

Midea TID



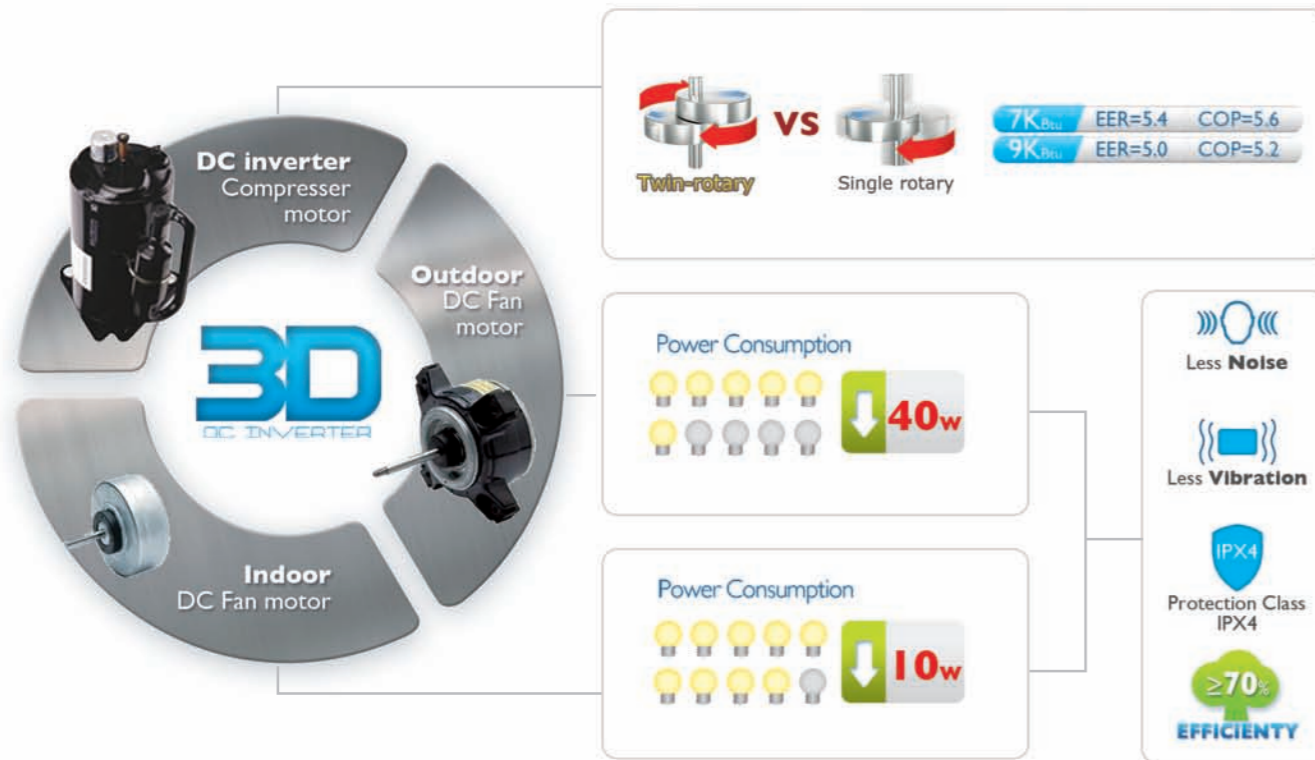
As a key part of Midea Group, The International Division (TID) of Midea Air-conditioning and Refrigeration Sector is a comprehensive export platform for residential and commercial air-conditioners, washing machines, refrigerators and heat pump water heaters. As a result, the division provides top-class service to customers worldwide.

With the core values, "safety, quality, cost and efficiency," Midea TID has achieved significant international growth while successfully maintaining leadership in RAC, CAC, washing machine and refrigerator exports. Now, the competitive advantages of innovation, production capacity and dedicated support services have made Midea TID a leading white goods supplier in the global market.



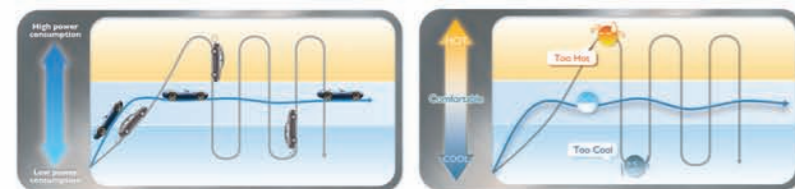
3D DC Inverter

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



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 neutralizes 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

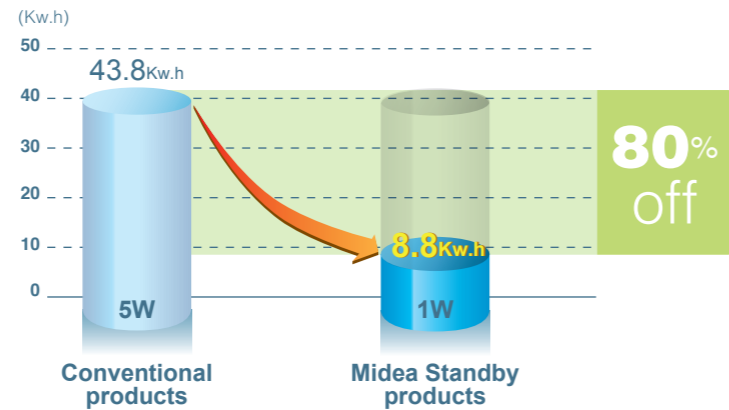
Environment protection is a hot topic all over the world. Environment concern is our responsibility and working philosophy. Work together with TUV, we take actions to comply European new REACH and Eup. directive.



Features

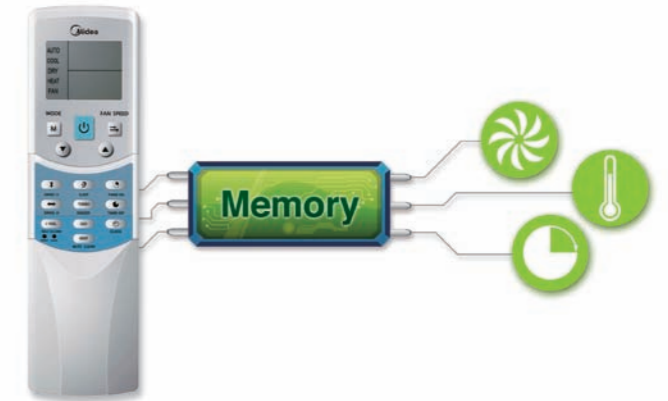
IW Standby

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 80% 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 neutralizes 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 prevent allergic 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 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 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 consistent 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 condensed 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 two 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

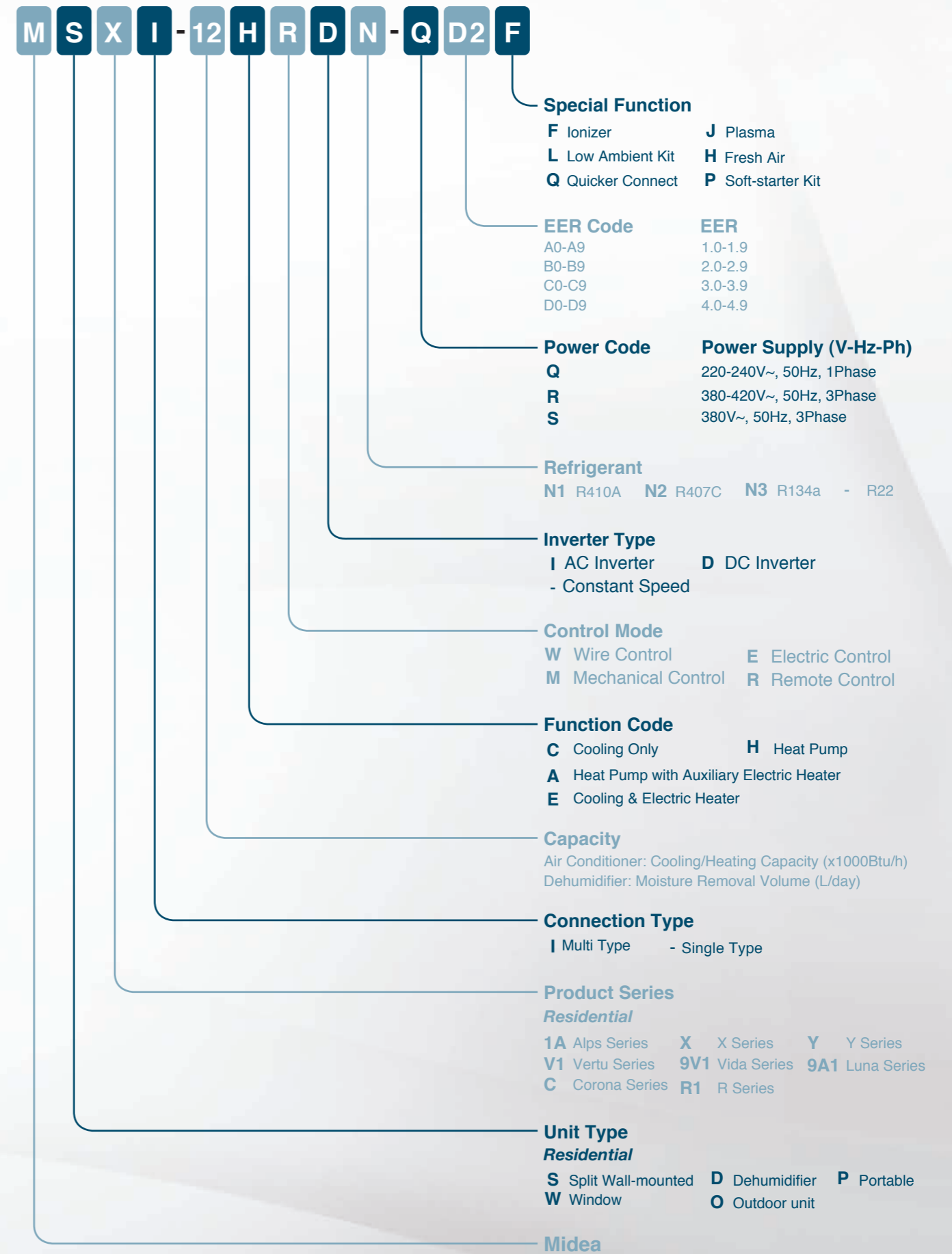
Quick Connector
For this kind of air conditioner, the installation is quite easy and facile and not so costly.

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

Model Code



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 (COP4.2)	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-14HRDNI	One Unit	Two Units
	7	7+7 9+9
	9	7+9 9+12
	12	7+12

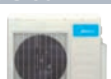
M2OC1-18HRDNI-Q	One Unit	Two Units
	7	7+7 9+9
	9	7+9 9+12
	12	7+12 12+12
	18	7+18

M3OC-21HRDNI-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


M3OC1-27HRDNI-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 12+18	7+7+9 7+9+12 9+12+12
	12	7+12 9+18 12+18	7+7+12 7+9+12 9+9+12
	18	7+18 12+12	7+7+18 9+9+9

M4OC-24HRDNI-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 12+18	7+7+9 7+9+12 9+12+12	7+7+7+9 7+9+9+9
	12	7+12 9+18 12+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-27HRDNI	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+7+9 7+7+9+12 7+9+12+12
	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-36HRDNI-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-36HRDNI-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 9+18	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+18 7+12+18 9+9+18 7+7+7+7 7+7+9+18 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+12 7+7+7+7+7 7+7+7+12+18 7+7+12+12+18 7+9+12+12+12 9+9+9+12+18	
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DC Inverter 1x2

	Outdoor Unit		M2OC-14HRDNI	M2OC1-18HRDNI-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)	760x590x285	845x695x335
	Packing Dimension	WxHxD (mm)	887x645x355	965x755x395
	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	2x(Ø6.35/Ø9.53)	2x(Ø6.35/Ø9.53)

DC Inverter 1x3

	Outdoor Unit		M3OC1-21HRDNI-Q	M3OC1-27HRDNI-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)	845x695x335	845x695x335
	Packing Dimension	WxHxD (mm)	965x755x395	965x755x395
	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	3x(Ø6.35/Ø9.53)	3x(Ø6.35/Ø9.53)


DC Inverter 1x4


	Outdoor Unit		M4OC-24HRDNI-Q	M4OC-27HRDNI	M4OC-36HRDNI-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)	845x695x335	895x860x330	990x966x396
	Packing Dimension	WxHxD (mm)	965x755x395	1043x915x395	1120x1100x435
	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	4x(Ø6.35/Ø9.53)	4x(Ø6.35/Ø9.53)	4x(Ø6.35/Ø9.53)


DC Inverter 1x5


	Outdoor Unit		M5OA-36HRDNI-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)	990x966x396
	Packing Dimension	WxHxD (mm)	1120x1100x435
	Net/Gross Weight	kg	88/92
	Air Flow	m ³ /h	5800
	Noice Level	dB(A)	61
	Liquid/Gas Side	mm	5x(Ø6.35/Ø9.53)


Free Match Indoor Unit


Alps Series	Indoor Unit		MSIAI-09HRDNI-Q	MSIAI-12HRDNI-Q	MSIAI-18HRDNI-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-07HRDNI	MSXI-09HRDNI	MSXI-12HRDNI	MSXI-18HRDNI-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-07HRDNI	MSYI-09HRDNI	MSYI-12HRDNI	MSYI-18HRDNI
	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-07HRDNI	MSVI-09HRDNI	MSVI-12HRDNI	MSVI-18HRDNI
	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-07HRDNI-Q	MS9VI-09HRDNI-Q	MS9VI-12HRDNI-Q	MS9VI-18HRDNI-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-07HRDNI-Q	MS9AI-09HRDNI-Q	MS9AI-12HRDNI-Q	MS9AI-18HRDNI-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-07HRINI	MSCI-09HRINI	MSCI-12HRINI	MSCI-18HRDNI
	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-07HRDNI	MSGI-09HRDNI	MSGI-12HRDNI	MSGI-18HRDNI
	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-07HRDNI-Q	MSRI-09HRDNI-Q	MSRI-12HRDNI	MSRI-18HRDNI
	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-07HRDNI	MCA2I-09HRDNI	MCA2I-12HRDNI	MCA2I-18HRDNI
	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-12HRDNI	MUBI-18HRDNI
	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-07HRDNI	MFF-09HRDNI	MFF-12HRDNI	MFF-18HRDNI
	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-07HRINI	MST2I-09HRINI	MST2I-12HRINI	MST2I-18HRINI
	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

Light Commercial



Model Code

M U B - 18 H R D N1

Refrigerant Type

N1 R410A

DC Inverter
Omit ON/OFF

Control Mode

W Wired Control **E** Electric Control
M Mechanical Control **R** Remote Control

Function Code

C Cooling Only
H Cooling & Heating

Cooling Capacity (18,000Btu/h)

Designed Time

Product Category

C Cassette Type **T** Duct Type
H High Static Pressure Duct Type
U Ceiling & Floor Type
F Console Type

Midea

M O U B - 36 H D N1 - R

Power Supply

R 380V-3N-50Hz
Omit 220-240V-1N-50Hz

Refrigerant Type

N1 R410A

DC Inverter
Omit ON/OFF

Function Code

C Cooling Only
H Cooling & Heating

Capacity (36,000Btu/h)

Designed Time

Universal Outdoor Unit

O Outdoor Unit
U Universal

Midea

Universal Outdoor Unit



Specification_DC Inverter

Outdoor Unit			MOU-12HDNI	MOUA-18HDNI-C0	MOUB-24HDNI	MOU-30HDNI	MOU-36HDNI
Capacity	Cooling Capacity	Btu/h	12000	18000	24000	30000	36000
		kW	3.2	5.3	7.1	9.0	10.5
	Heating Capacity	Btu/h	13000	20000	26000	32000	40000
		kW	4.0	6.0	7.6	9.5	12.0
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
	Air Flow Volume	m ³ /h	2500	2570	3200	5000	6000
	Noise Level	dB(A)	48	51	53	57	57
Dimension & Weight	Net Dimension (mm)	WxHxD	761x593x279	842x695x324	895x862x313	990x966x354	940x1245x360
	Net Weight	kg	39.5	59	73	92	106
	Packing Dimension (mm)	WxHxD	887x655x355	965x752x399	1043x915x395	1120x1100x435	1058x1380x438
	Gross Weight	kg	42.5	63	76	100	114
Piping Size	Liquid Size	mm	Ø6.4	Ø6.4	Ø9.5	Ø9.5	Ø9.5
	Gas Size	mm	Ø12.7	Ø12.7	Ø15.9	Ø15.9	Ø15.9
	Max. pipe length	m	10	25	25	25	30
	Max. height difference	m	5	12	12	15	20
Stuffing Quantity	20'/40'/40'HQ	Unit	123/258/342	100/208/210	62/128/128	50/106/108	27/56/56

Outdoor Unit			MOUB-36HDNI-R	MOU-48HDNI	MOUB-48HDNI-R	MOUA-60HRDNI	MOUD-60HDNI-R
Capacity	Cooling Capacity	Btu/h	36000	48000	48000	60000	60000
		kW	10.5	14.0	14.0	16.0	16.0
	Heating Capacity	Btu/h	40000	52000	52000	65000	65000
		kW	12.0	15.0	15.0	19.0	19.0
Electrical Parts	Power Supply	V~,Hz,Ph	380-415, 50, 3	220-240, 50, 1	380-415, 50, 3	380-415, 50, 3	380-415, 50, 3
	Air Flow Volume	m ³ /h	5000	6000	6000	6000	6000
	Noise Level	dB(A)	55	59	59	59	59
Dimension & Weight	Net Dimension (mm)	WxHxD	990x966x354	940x1245x360	940x1245x360	940x1245x360	940x1245x360
	Net Weight	kg	87	106	99	115	124
	Packing Dimension (mm)	WxHxD	1120x1100x435	1058x1380x438	1058x1380x438	1058x1380x438	1058x1380x438
	Gross Weight	kg	95	114	107	121	130
Piping Size	Liquid Size	mm	Ø9.5	Ø9.5	Ø9.5	Ø9.5	Ø9.5
	Gas Size	mm	Ø15.9	Ø15.9	Ø15.9	Ø15.9	Ø15.9
	Max. pipe length	m	30	50	50	50	50
	Max. height difference	m	20	25	25	25	25
Stuffing Quantity	20'/40'/40'HQ	Unit	50/106/108	27/56/56	27/56/56	27/56/56	27/56/56

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

Specification_ON/OFF

Outdoor Unit			MOU-12HNI	MOU-18HNI-Q	MOU-24HNI-Q	MOU-30HNI-Q	MOU-30HNI-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	380-415, 50, 3
	Air Flow Volume	m ³ /h	2100	2439	3200	5000	5000
	Noise Level	dB(A)	43	54	55	57	57
Dimension & Weight	Net Dimension (mm)	WxHxD	780x547x250	760x590x285	845x695x335	990x966x354	990x966x354
	Net Weight	kg	34	39	53	94	99
	Packing Dimension (mm)	WxHxD	910x575x335	887x645x355	965x755x395	1120x1100x435	1120x1100x435
	Gross Weight	kg	37	42	57	104	104
Piping Size	Liquid Size	mm	Ø6.4	Ø6.4	Ø9.5	Ø12.7	Ø12.7
	Gas Size	mm	Ø12.7	Ø12.7	Ø15.9	Ø19.0	Ø19.0
	Max. pipe length	m	15	25	25	25	25
	Max. height difference	m	8	15	15	15	15
Stuffing Quantity	20'/40'/40'HQ	Unit	166/346/348	123/258/342	100/214/216	50/106/108	50/106/108

Outdoor Unit			MOU-36HNI-Q	MOU-36HNI-R	MOU-48HNI-R	MOUA-60HNI-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	15.0	19.0
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	380-415, 50, 3	380-415, 50, 3	380-415, 50, 3
	Air Flow Volume	m ³ /h	5000	5000	6800	6850
	Noise Level	dB(A)	57	57	59	59.3
Dimension & Weight	Net Dimension (mm)	WxHxD	990x966x354	990x966x354	900x1167x340	900x1167x340
	Net Weight	kg	94	92	110	106
	Packing Dimension (mm)	WxHxD	1120x1100x435	1120x1100x435	1032x1307x443	1032x1307x443
	Gross Weight	kg	98	96	115	111
Piping Size	Liquid Size	mm	Ø12.7	Ø12.7	Ø12.7	Ø12.7
	Gas Size	mm	Ø19.0	Ø19.0	Ø19.0	Ø19.0
	Max. pipe length	m	30	30	50	50
	Max. height difference	m	20	20	25	25
Stuffing Quantity	20'/40'/40'HQ	Unit	50/106/108	50/106/108	27/57/112	27/57/112

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

Four-way Cassette (Compact)



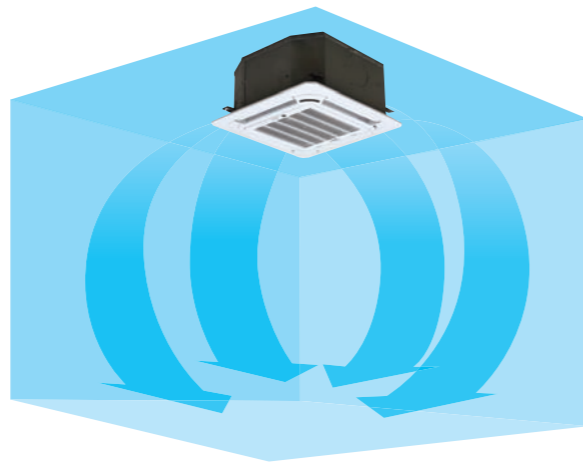
DC Inverter
ON/OFF

360° Air Outlet Panel

360° air outlet makes equal, fast and wide-range cooling.

Double Swing motor, Wide Swing Angle

Two swing motor driving, swing angle is 40°
This air circle brings you more comfort.



E-box Inside



The E-box is simply and safely built inside the indoor unit, of which ceiling size is 600mm*600mm.
It is convenient to install and maintain. Checking the control part is easy, you only need to open the air return grille.

- Auto Defrosting
- Auto Restart Function
- Anti-Cold Air Function
- Built-in Drain Pump
- Independent Dehumidification
- Sleep Mode
- 360° Air Flow Panel
- PTC Heater
- Wired Controller
- Low Ambient Kit

Features: ■ Standard ■ Optional

Specification_DC Inverter

Indoor Unit Outdoor Unit		MCA2-12HRDNI-Q MOU-12HDI	MCA2-18HRDNI-Q MOUA-18HDI-CO	
Capacity	Cooling Capacity	Btu/h 13680-12000-4800	19260-18000-6120	
		kW 4.0-3.2-1.4	5.6-5.3-1.8	
	Heating Capacity	Btu/h 15340-13500-4550	20800-20000-4800	
		kW 4.5-4.0-1.3	6.1-5.8-1.4	
Electrical Parts	Power Supply	V~,Hz,Ph 220-240, 50, 1	220-240, 50, 1	
	Power Input (kW)	Cooling	1.25-0.98-0.31	2.07-1.63-0.55
		Heating	1.39-1.09-0.37	2.02-1.60-0.56
Performance	EER	W/W 3.26	3.25	
	COP	W/W 3.63	3.62	
	Air Flow Volume	m ³ /h 683/530/510	800/710/560	
	Noise Level (dB(A))	HI/Med/Low 42/41/38	42/41/38	
Dimension & Weight & Piping Size	Net Dimension (mm)	Body (WxHxD)	570x260x570	570x260x570
		Panel (WxHxD)	647x50x647	647x50x647
	Net Weight (kg)	Body	16	18
		Panel	3	3
	Packing Dimension (mm)	Body (WxHxD)	655x290x655	655x290x655
		Panel (WxHxD)	705x113x705	705x113x705
	Gross Weight (kg)	Body	19	21
		Panel	5	5
	Piping Size (mm)	Liquid	Ø6.4	Ø6.4
Gas		Ø12.7	Ø12.7	
Drainage		ODØ25	ODØ25	
Applicable Area & Stuffing Quantity	Applicable Area	m ² 13-21	21-35	
	Stuffing Quantity (Set)	20'/40'/40'HQ 70/149/177	57/121/134	

Specification_ON/OFF

Indoor Unit Outdoor Unit		MCA2-12HRNI-Q MOU-12HNI	MCA2-18HRNI-Q MOU-18HNI-Q	
Capacity	Cooling Capacity	Btu/h 12000	18000	
		kW 3.2	5.3	
	Heating Capacity	Btu/h 13000	20000	
		kW 4.0	6.0	
Electrical Parts	Power Supply	V~,Hz,Ph 220-240, 50, 1	220-240, 50, 1	
	Power Input (kW)	Cooling	1.085	1.834
		Heating	1.235	1.881
Performance	EER	W/W 2.95	2.89	
	COP	W/W 3.24	3.19	
	Air Flow Volume	m ³ /h 680/600/400	860/760/500	
	Noise Level (dB(A))	HI/Med/Low 41/38/35	44/41/38	
Dimension & Weight & Piping Size	Net Dimension (mm)	Body (WxHxD)	570x260x570	570x260x570
		Panel (WxHxD)	647x50x647	647x50x647
	Net Weight (kg)	Body	16	19
		Panel	3	3
	Packing Dimension (mm)	Body (WxHxD)	655x290x655	655x290x655
		Panel (WxHxD)	705x113x705	705x113x705
	Gross Weight (kg)	Body	19	21
		Panel	5	5
	Piping Size (mm)	Liquid	Ø6.4	Ø6.4
Gas		Ø12.7	Ø12.7	
Drainage		ODØ25	ODØ25	
Applicable Area & Stuffing Quantity	Applicable Area	m ² 13-21	21-35	
	Stuffing Quantity (Set)	20'/40'/40'HQ 79/170/188	66/149/177	

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

Four-way Cassette



DC Inverter

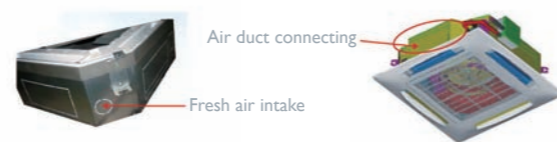
ON/OFF

360° Air Outlet Panel

360° air outlet makes equal, fast and wide-range cooling.

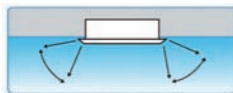


Fresh air intake; Air duct connection;



Double Swing motor, Wide Swing Angle

Two swing motor driving, swing angle is 40°, This air circle brings you more comfort.



Fresh air makes air quality healthier healthy and more comfortable.

Reserves the space for air outlet from the indoor side; It's availed to connect air duct from the four sides to the nearby small rooms.

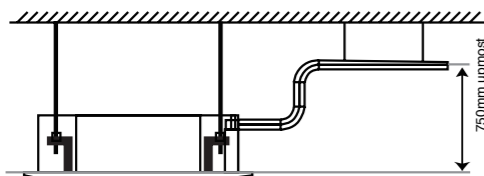
3D screw fan

3D screw indoor fan technology reduces the air resistance, increases the air volume and improves the heat exchange efficiency.



Built-in drain pump

The drain pump can lift the condensing water up to 750mm upmost.



- Auto Defrosting
 - Auto Restart Function
 - Anti-Cold Air Function
 - Fashion Design
 - Independent Dehumidification
 - Quiet Design
 - LED Display
 - Sleep Mode
 - Slim Design
 - Timer
 - Wide-angle Air flow
 - Wired Controller
 - 360° Air Flow Panel
 - Low Ambient Kit
 - Optional Color Panels
 - PTC Heater
- Features: ■ Standard ■ Optional

Specification_DC Inverter

	Indoor Unit Outdoor Unit		MCC-18HRDNI	MCC-24HRDNI	MCC-30HRDNI	MCC-36HRDNI	MCC-48HRDNI	MCC-60HRDNI
			MOUA-18HDNI-CO	MOUB-24HDNI	MOU-30HDNI	MOUB-36HDNI-R	MOUB-48HDNI-R	MOUD-60HDNI-R
Capacity	Cooling Capacity	Btu/h	19278-17981-5425	26784-23993-5425	35826-29998-8189	42309-35826-9895	51180-48000-11601	56298-53568-14365
		kW	5.65-5.27-1.59	7.85-7.032-1.59	10.5-8.792-2.4	12.4-10.5-2.9	15.0-14.068-3.4	16.5-15.7-4.21
	Heating Capacity	Btu/h	20934-19994-4947	29002-26494-5800	40944-34000-9383	45038-37617-12624	54592-52000-14330	61416-60051-16377
		kW	6.15-5.86-1.45	8.5-7.765-1.70	12.0-9.965-2.75	13.2-11.025-3.7	16.0-15.24-4.2	18.0-17.5-4.8
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 (kW)	Cooling	1.51-1.47-0.56	2.8-2.18-0.98	4.5-2.71-1.1	5.0-3.25-2.3	5.46-4.36-2.5	6.1-5.2-3.1
		Heating	1.50-1.43-0.72	2.60-2.10-1.05	3.37-2.74-1.3	3.94-3.03-2.0	5.6-4.16-2.3	6.1-4.91-2.7
Performance	EER	W/W	3.25	3.23	3.24	3.23	3.23	3.01
	COP	W/W	3.68	3.69	3.64	3.63	3.66	3.56
	Air Flow Volume	m ³ /h	940/790/655	1237/1114/871	1545/1354/1187	1545/1354/1187	1545/1354/1187	1800/1480/1280
	Noise Level (dB(A))	HI/Med/Low	40/38.5/37	42/40.5/39	44/42.5/41	44/42.5/41	44/42.5/41	46/44/42
Dimension & Weight & Piping Size	Net Dimension (mm)	Body (WxHxD)	840x230x840	840x230x840	840x300x840	840x300x840	840x300x840	840x300x840
		Panel (WxHxD)	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950
	Net Weight (kg)	Body	24	24	30	30	30	30
		Panel	6	6	6	6	6	6
	Packing Dimension (mm)	Body (WxHxD)	900x250x900	900x250x900	900x320x900	900x320x900	900x320x900	955x330x955
		Panel (WxHxD)	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Gross Weight (kg)	Body	30	30	36	36	36	36
		Panel	9	9	9	9	9	9
	Piping Size (mm)	Liquid	Ø6.4	Ø9.5	Ø9.5	Ø9.5	Ø9.5	Ø9.5
		Gas	Ø12.7	Ø15.9	Ø15.9	Ø15.9	Ø15.9	Ø15.9
Drainage		ODØ32	ODØ32	ODØ32	ODØ32	ODØ32	ODØ32	
Applicable Area & Stuffing Quantity	Applicable Area	m ²	21-35	28-47	36-60	42-70	56-93	64-107
	Stuffing Quantity (Set)		20'/40'/40'HQ	43/89/103	31/87/89	22/66/68	22/66/68	23/52/54

Specification_ON/OFF

	Indoor Unit Outdoor Unit		MCC-24HRNI	MCC-30HRNI	MCC-30HRNI-R	MCC-36HRNI	MCC-36HRNI-R	MCC-48HRNI-R	MCC-60HRNI
			MOU-24HNI-Q	MOU-30HNI-Q	MOU-30HNI-R	MOU-36HNI-Q	MOU-36HNI-R	MOU-48HNI-R	MOUA-60HNI-R
Capacity	Cooling Capacity	Btu/h	24000	30000	30000	36000	36000	48000	60000
		kW	7.1	9.0	9.0	10.5	10.5	14.0	16.0
	Heating Capacity	Btu/h	26000	32000	32000	40000	40000	52000	65000
		kW	7.6	9.5	9.5	12.0	12.0	15.0	19.0
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	380-415, 50, 3	220-240, 50, 1	380-415, 50, 3	380-415, 50, 3	380-415, 50, 3
	Power Input (kW)	Cooling	2.475	3.191	3.180	3.780	3.780	4.880	5.904
		Heating	2.428	3.369	3.381	4.250	4.250	5.290	6.859
Performance	EER	W/W	2.87	2.82	2.83	2.78	2.78	2.87	2.71
	COP	W/W	3.13	2.82	2.81	2.82	2.82	2.83	2.77
	Air Flow Volume	m ³ /h	1327/1114/871	1545/1354/1187	1545/1354/1187	1545/1354/1187	1545/1354/1187	1545/1354/1187	1800/1480/1280
	Noise Level (dB(A))	HI/Med/Low	42/40.5/39	44/42.5/41	44/42.5/41	44/42.5/41	44/42.5/41	44/42.5/41	47/44/43
Dimension & Weight & Piping Size	Net Dimension (mm)	Body (WxHxD)	840x230x840	840x300x840	840x300x840	840x300x840	840x300x840	840x300x840	840x300x840
		Panel (WxHxD)	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950	950x55x950
	Net Weight (kg)	Body	24	30	30	30	30	30	30
		Panel	6	6	6	6	6	6	6
	Packing Dimension (mm)	Body (WxHxD)	900x250x900	900x320x900	900x320x900	900x320x900	900x320x900	900x320x900	955x330x955
		Panel (WxHxD)	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Gross Weight (kg)	Body	30	36	36	36	36	36	36
		Panel	9	9	9	9	9	9	9
	Piping Size (mm)	Liquid	Ø9.5	Ø12.7	Ø12.7	Ø12.7	Ø12.7	Ø12.7	Ø12.7
		Gas	Ø15.9	Ø19.0	Ø19.0	Ø19.0	Ø19.0	Ø19.0	Ø19.0
Drainage		ODØ32	ODØ32	ODØ32	ODØ32	ODØ32	ODØ32	ODØ32	
Applicable Area & Stuffing Quantity	Applicable Area	m ²	28-47	36-60	36-60	42-70	42-70	56-93	64-107
	Stuffing Quantity (Set)		20'/40'/40'HQ	43/89/107	22/66/68	22/66/68	22/66/68	25/55/64	25/55/62

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



DC Inverter
ON/OFF

Specification_DC Inverter

Indoor Unit		Outdoor Unit		MUB-12HRDNI	MUB-18HRDNI	MUB-24HRDNI	MUB-30HRDNI	MUB-36HRDNI	MUB-48HRDNI	MUB-60HRDNI
		MOU-12HDNI	MOUA-18HDNI-CO	MOU-24HDNI	MOU-30HDNI	MOU-36HDNI-R	MOU-48HDNI-R	MOU-60HDNI-R	MOUA-60HRDNI	MOUA-60HRDNI
Capacity	Cooling Capacity	Btu/h	13648-12000-4777	19278-17981-5561	26955-23993-5561	32414-29998-7506	45038-36000-10236	53227-48000-11601	57322-54592-14501	
		kW	4.0-3.2-1.4	5.65-5.27-1.63	7.9-7.032-1.63	9.5-8.792-2.2	13.2-10.551-3.0	15.6-14.068-3.6	16.8-16.425	
	Heating Capacity	Btu/h	16207-13000-4777	20984-19994-4947	29343-26494-5971	37532-3400-8870	47768-40000-12624	56298-52000-14330	61416-60051-16377	
		kW	4.75-4.0-1.4	6.15-5.86-1.45	8.6-7.765-1.75	11.0-9.965-2.6	14.0-11.723-3.7	16.5-15.24-4.2	18-17.6-4.8	
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	220-240,50,1	
	Power Input (kW)	Cooling	1.27-0.99-0.32	2.6-1.63-0.57	2.8-2.18-0.98	4.6-2.71-1.1	5.5-3.25-2.3	6.0-4.32-2.5	7.5-4.97-3.0	
Heating		1.38-1.07-0.36	2.34-1.59-0.72	2.60-2.12-1.05	4.28-2.72-1.3	5.2-3.2-2.0	5.59-4.13-2.3	6.28-4.87-1.65		
Performance	EER	W/W	3.24	3.24	3.22	3.24	3.25	3.26	3.22	
	COP	W/W	3.73	3.69	3.66	3.66	3.66	3.69	3.61	
	Air Flow Volume	m ³ /h	584/518/463	800/600/500	1000/900/700	1200/1000/800	1400/1200/1000	2000/1800/1600	2000/1800/1600	
	Noise Level (dB(A))	Hi/Med/Low	39/6/36.7/33.1	43/41/38	45/43/40	45/43/40	45/43/40	47/46/44	47/46/44	
Dimension & Weight & Piping Size	Net Dimension (mm)	WxHxD	990x203x660	990x203x660	990x203x660	1280x203x660	1280x203x660	1670x240x680	1670x240x680	
	Net Weight	kg	27	29	29	37	37	52	52	
	Packing Dimension (mm)	WxHxD	1089x296x744	1089x296x744	1089x296x744	1379x296x744	1379x296x744	1764x329x760	1764x329x760	
	Gross Weight	kg	33	35	35	42	42	59	59	
		Piping Size (mm)	Liquid	Ø6.4	Ø6.4	Ø9.5	Ø9.5	Ø9.5	Ø9.5	Ø9.5
	Gas	Ø12.7	Ø12.7	Ø15.9	Ø15.9	Ø15.9	Ø15.9	Ø15.9	Ø15.9	
Drainage	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	
Applicable Area & Stuffing Quantity	Applicable Area	m ²	13-21	21-35	28-47	36-60	42-70	56-93	64-107	
	Stuffing Quantity (Set)		20/40/40/HQ	59/122/142	54/110/124	43/90/97	30/67/74	30/67/74	21/48/47	21/48/47

Flexible Drainage pipe Installation

Drainage pipe can be connected to left or right side.



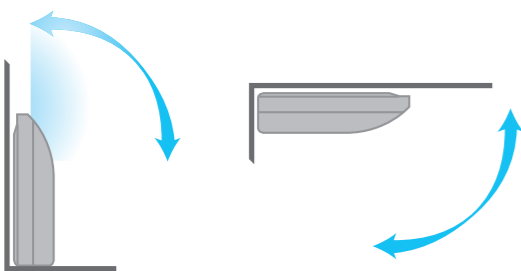
Swing Torsion Angles

The unit has auto horizontal swing and auto vertical swing function, which supplies more even and comfortable airflow.



Flexible Installation

The unit can be installed either horizontally on the ceiling or vertically against the wall.



- Anti-Cold Air Function
- Auto Restart Function
- Auto Defrosting
- Quiet Design
- Independent Dehumidification
- Sleep Mode
- Timer
- Wired Controller
- Low Ambient Kit
- Optional Connection Ways
- PTC Heater
- Optional Panels

Features: ■ Standard ■ Optional

Specification_ON/OFF

Indoor Unit		Outdoor Unit		MUB-12HRNI	MUB-18HRNI-Q	MUB-24HRNI-Q	MUB-30HRNI	MUB-36HRNI	MUB-36HRNI-Q	MUB-36HRNI-R	MUB-48HRNI-R	MUB-60HRNI-R
		MOU-12HNI	MOU-18HNI-Q	MOU-24HNI-Q	MOU-30HNI-Q	MOU-30HNI-R	MOU-36HNI-Q	MOU-36HNI-R	MOU-48HNI-R	MOUA-60HNI-R	MOUA-60HNI-R	MOUA-60HNI-R
Capacity	Cooling Capacity	Btu/h	12000	18000	24000	30000	30000	36000	36000	48000	60000	
		kW	3.2	5.3	7.1	9.0	9.0	10.5	10.5	14.0	16.0	
	Heating Capacity	Btu/h	13000	20000	26000	32000	33000	40000	40000	52000	65000	
		kW	4.0	6.0	7.6	9.5	9.7	12.0	12.0	15.0	19.0	
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1	220-240,50,1	220-240,50,1	220-240,50,1	380,50,3	220-240,50,1	380,50,3	380-415,50,3	380-415,50,3	
	Power Input (kW)	Cooling	1.022	1.726	2.423	3.180	3.169	3.740	3.737	5.128	5.882	
Heating		1.220	1.863	2.415	3.345	3.428	4.286	4.286	5.376	6.835		
Performance	EER	W/W	3.13	3.07	2.93	2.83	2.84	2.81	2.81	2.73	2.72	
	COP	W/W	3.28	3.22	3.15	2.84	2.83	2.80	2.80	2.79	2.78	
	Air Flow Volume	m ³ /h	600/480/400	800/600/500	1200/900/700	1400/1200/1000	1400/1200/1000	1400/1200/1000	1400/1200/1000	2000/1800/1600	2000/1800/1600	
	Noise Level (dB(A))	Hi/Med/Low	43/41/38	43/41/38	45/43/40	45/43/40	45/43/40	45/43/40	45/43/40	50/47/45	50/49/47	
Dimension & Weight & Piping Size	Net Dimension (mm)	WxHxD	990x203x660	990x203x660	990x203x660	1280x203x660	1280x203x660	1280x203x660	1280x203x660	1670x240x680	1670x240x680	
	Net Weight	kg	25	26	27	35	35	35	35	50	52	
	Packing Dimension (mm)	WxHxD	1089x296x744	1089x296x744	1089x296x744	1379x296x744	1379x296x744	1380x297x745	1380x297x745	1764x329x760	1764x329x760	
	Gross Weight	kg	33	32	33	40	40	42	42	58	59	
		Piping Size (mm)	Liquid	Ø6.4	Ø6.4	Ø9.5	Ø12.7	Ø12.7	Ø12.7	Ø12.7	Ø12.7	Ø12.7
	Gas	Ø12.7	Ø12.7	Ø15.9	Ø19.0	Ø19.0	Ø19.0	Ø19.0	Ø19.0	Ø19.0	Ø19.0	
Drainage	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	ODØ25	
Applicable Area & Stuffing Quantity	Applicable Area	m ²	13-21	21-35	28-47	36-60	36-60	42-70	42-70	56-93	64-107	
	Stuffing Quantity (Set)		20/40/40/HQ	62/140/144	59/124/142	54/110/127	30/67/74	30/67/74	30/67/74	30/67/74	19/49/58	19/49/58

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



Specification_DC Inverter

	Indoor Unit Outdoor Unit	MFA-12HRDNI MOU-12HDNI	MFA-18HRDNI MOUA-18HDNI-CO
Capacity	Cooling Capacity	Btu/h 13989-11942-4777 kW 4.1-3.5-1.4	19448-17981-5800 5.7-5.27-1.7
	Heating Capacity	Btu/h 16719-13648-4777 kW 4.9-4.0-1.4	21154-19994-4947 6.2-5.86-1.45
	Power Supply	V~Hz,Ph 220-240, 50, 1	220-240, 50, 1
Electrical Parts	Power Input (kW)	Cooling 1.37-1.08-0.34 Heating 1.42-1.105-0.37	2.06-1.63-0.52 2.09-1.623-0.55
	Performance	EER W/W 3.24 COP W/W 3.62	3.23 3.61
Dimension & Weight & Piping Size	Air Flow Volume	m ³ /h 550(490)/460/380/350	740(700)/640/560/440
	Noise Level (dB(A))	SH/HI/Med/Low/SL 38(35)/33/31/28	44(41)/39/37/34
	Net Dimension (mm)	WxHxD 700x210x600	700x210x600
	Net Weight	kg 15	15
	Packing Dimension (mm)	WxHxD 810x305x710	810x305x710
	Gross Weight	kg 20	20
Piping Size (mm)	Liquid	Ø6.4	Ø6.4
	Gas	Ø12.7	Ø12.7
	Drainage	ODØ16	ODØ16
	Applicable Area & Stuffing Quantity	Applicable Area m ² 13-21	21-35
Stuffing Quantity (Set)	20'/40'/40'HQ 66/147/173	59/125/140	

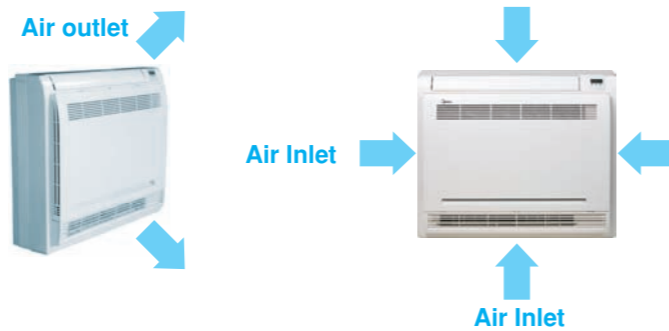
Specification_ON/OFF

	Indoor Unit Outdoor Unit	MFA-12HRNI MON-12HNI	MFA-18HRNI MON-18HNI
Capacity	Cooling Capacity	Btu/h 12000 kW 3.2	18000 5.3
	Heating Capacity	Btu/h 13380 kW 3.52	20000 6.0
	Power Supply	V~Hz,Ph 220-240, 50, 1	220-240, 50, 1
Electrical Parts	Power Input (kW)	Cooling 1.013 Heating 1.083	1.732 1.875
	Performance	EER W/W 3.16 COP W/W 3.25	3.06 3.20
Dimension & Weight & Piping Size	Air Flow Volume	m ³ /h 550(490)/460/380/350	740(700)/640/560/440
	Noise Level (dB(A))	SH/HI/Med/Low/SL 38(35)/33/31/28	44(41)/39/37/34
	Net Dimension (mm)	WxHxD 700x210x600	700x210x600
	Net Weight	kg 15	15
	Packing Dimension (mm)	WxHxD 810x305x710	810x305x710
	Gross Weight	kg 20	20
Piping Size (mm)	Liquid	Ø6.4	Ø6.4
	Gas	Ø12.7	Ø12.7
	Drainage	ODØ16	ODØ16
	Applicable Area & Stuffing Quantity	Applicable Area m ² 13-21	21-35
Stuffing Quantity (Set)	20'/40'/40'HQ 75/167/184	59/125/140	

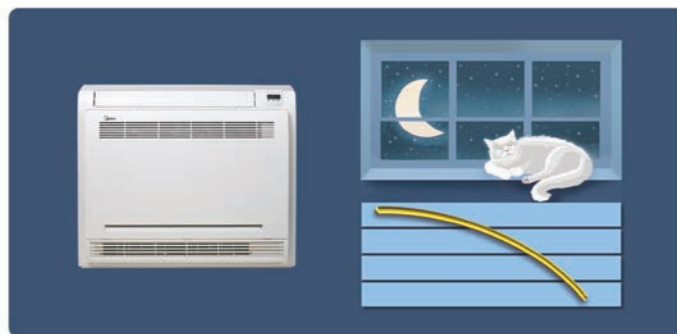
	Outdoor Unit	MON-12HNI	MON-18HNI
Capacity	Cooling Capacity	Btu/h 12000 kW 3.2	18000 5.3
	Heating Capacity	Btu/h 13380 kW 3.52	20000 6.0
	Power Supply	V~Hz,Ph 220-240, 50, 1	220-240, 50, 1
Electrical Parts	Power Input (kW)	Cooling 1.985 Noise Level dB(A) 53	2.770 54
	Performance	Net Dimension (mm) WxHxD 780x547x250	842x695x324
Dimension & Weight	Net Weight	kg 34	52
	Packing Dimension (mm)	WxHxD 910x575x335	965x752x399
	Gross Weight	kg 38	56
Piping Size & Stuffing Quantity	Liquid Side	mm Ø6.4	Ø6.4
	Gas Side	mm Ø12.7	Ø12.7
	Max. pipe length	m 15	25
	Max. height difference	m 8	15
Stuffing Quantity	20'/40'/40'HQ Unit	166/346/348	100/208/210

Two air outlet, Four air inlet

Air inlet from 4 directions, there are 2 optional air-outlet ways, Both up and Down air-outlet or up air-outlet only.



Quiet Design

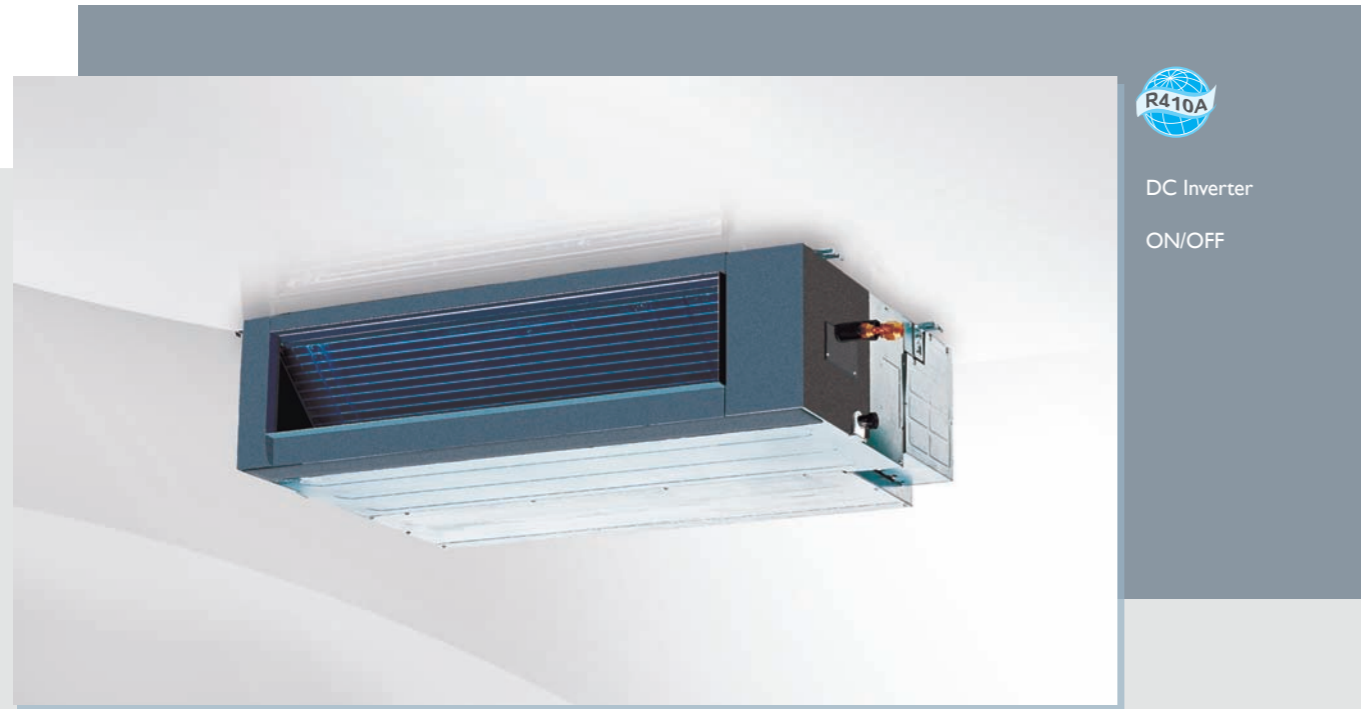


Five speeds indoor unit, Low noise and Energy saving.

- Anti-Cold Air Function
- Auto Restart Function
- Auto Defrosting
- Flexible Installation
- Fashion Design
- Independent Dehumidification
- Quiet Design
- Sleep Mode
- Wide-angle Air flow
- Timer
- Wired Controller
- Low Ambient Kit
- Optional Filter
- Optional Color Panels

Features: ■ Standard ■ Optional

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



Specification_DC Inverter

	Indoor Unit	Outdoor Unit	MTB1-12HWDNI-Q MOU-12HDNI	MTB-18HWDNI MOUA-18HDNI-CO	MTB1-24HWDNI MOUB-24HDNI	MTB-30HWDNI MOU-30HDNI
Capacity	Cooling Capacity	Btu/h	13102-12000-4777	21700-18000-7233	28524-24000-9519	36883-30000-12317
		kW	3.84-3.20-1.40	6.36-5.3-2.12	8.36-7.10-2.79	10.81-9.00-3.61
	Heating Capacity	Btu/h	15490-13000-5152	24532-20000-8188	32891-26000-10952	41490-32000-13818
		kW	4.54-4.0-1.51	7.19-6.0-2.40	9.64-7.60-3.21	12.16-9.50-4.05
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 (kW)	Cooling	1.42-0.98-0.47	2.28-1.63-0.76	3.01-2.19-1.00	3.98-2.79-1.33
		Heating	1.46-1.08-0.49	2.33-1.64-0.78	3.13-2.09-1.04	3.92-2.62-1.31
Performance	EER	W/W	3.27	3.25	3.24	3.23
	COP	W/W	3.70	3.66	3.64	3.63
	Air Flow Volume	m ³ /h	800/610/520	1170/770/650	1400/1100/1000	2250/1940/1720
	Static Pressure	Pa	40	70	70	80
	Noise Level (dB(A))	Hi/Med/Low	36.9/30.2/26.4	44/35.9/32.8	45.1/43.2/40.9	46.1/44/42.2
	Dimension & Weight & Piping Size	Net Dimension (mm)	WxHxD	700x210x635	920x210x635	920x270x635
Net Weight		kg	20	26	30	42
Packing Dimension (mm)		WxHxD	915x290x655	1135x290x655	1135x350x655	1355x350x795
Gross Weight		kg	25	31	35	49
		Piping Size (mm)	Liquid	Ø6.4	Ø6.4	Ø9.5
Gas			Ø12.7	Ø12.7	Ø15.9	Ø15.9
Drainage	ODØ25		ODØ25	ODØ25	ODØ25	
Applicable Area & Stuffing Quantity	Applicable Area	m ²	13-21	21-35	28-47	36-60
	Stuffing Quantity (Set)	20/40/40-HQ	71/148/170	51/118/123	37/83/91	27/59/68

	Indoor Unit	Outdoor Unit	MTB-36HWDNI MOUB-36HDNI-R	MTB-48HWDNI MOUB-48HDNI-R	MTB-60HWDNI MOUA-60HRDNI
Capacity	Cooling Capacity	Btu/h	42104-36000-14057	51658-48000-17230	57731-54592-19243
		kW	12.34-10.50-4.12	15.14-14.00-5.05	16.92-16.00-5.64
	Heating Capacity	Btu/h	51385-40000-17128	59983-52000-19994	68786-65000-22928
		kW	15.06-12.00-5.02	17.58-15.00-5.86	20.16-17.50-6.72
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Power Input (kW)	Cooling	4.39-3.25-1.45	5.53-4.35-1.84	6.22-4.99-2.07
		Heating	4.87-3.31-1.62	5.71-4.16-1.90	6.59-4.85-2.20
Performance	EER	W/W	3.23	3.22	3.21
	COP	W/W	3.63	3.61	3.61
	Air Flow Volume	m ³ /h	2270/1890/1650	3010/2410/1940	3150/2510/1990
	Static Pressure	Pa	80	100	100
	Noise Level (dB(A))	Hi/Med/Low	46.1/44/42.2	47.1/45.3/42.9	47.3/45.2/43.1
	Dimension & Weight & Piping Size	Net Dimension (mm)	WxHxD	1140x270x775	1200x300x865
Net Weight		kg	43	50	50
Packing Dimension (mm)		WxHxD	1355x350x795	1385x373x920	1385x373x920
Gross Weight		kg	50	59	59
		Piping Size (mm)	Liquid	Ø9.5	Ø9.5
Gas			Ø15.9	Ø15.9	Ø15.9
Drainage	ODØ25		ODØ25	ODØ25	
Applicable Area & Stuffing Quantity	Applicable Area	m ²	42-70	56-93	64-107
	Stuffing Quantity (Set)	20/40/40-HQ	27/59/68	16/42/48	16/42/48

Optional Accessories

Filter, Panel, Front board, Canvas air passage; Filter can be taken out easily for clearing. Easy maintenance.



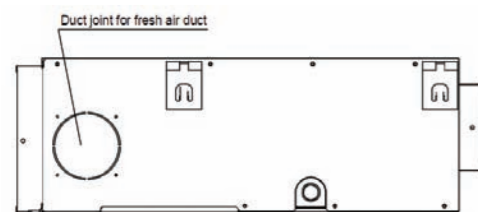
Flexible Air Intake Ways

Air inlet from back standard and from bottom optional. The size of the plate from bottom and flange from back is the same, it's easy for installer to change the air inlet from back to bottom.

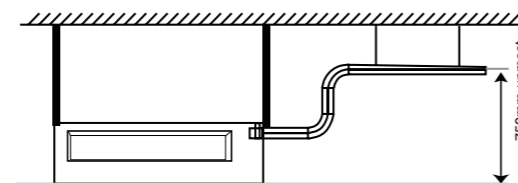


Fresh Air

Fresh air hole as standard, it's easy to connect with air duct.



Built-in Drain Pump (optional)



The drain pump can lift the condensing water up to 750mm upmost.

Anti-Cold Air Function	Auto Restart Function	Auto Defrosting
Fashion Design	Independent Dehumidification	Sleep Mode
Timer	Wired Controller	Low Ambient Kit
PTC Heater	Features: ■ Standard ■ Optional	

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

Duct

Specification_ON/OFF

	Indoor Unit Outdoor Unit		MTB-12HWN1-Q MOU-12HNI	MTB-18HWN1-Q MOU-18HNI-Q	MTB-24HWN1-Q MOU-24HNI-Q	MTB-30HWN1-Q MOU-30HNI-Q	MTB-30HWN1-R MOU-30HNI-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))	Hi/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
	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-36HNI-Q	MTB-36HWN1-R MOU-36HNI-R	MTB-48HWN1-R MOU-48HNI-R	MTB-60HWN1-R MOU-60HNI-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))	Hi/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
	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

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2.The noise level date reflects the level in anechoic chamber.

Wall Mounted





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.



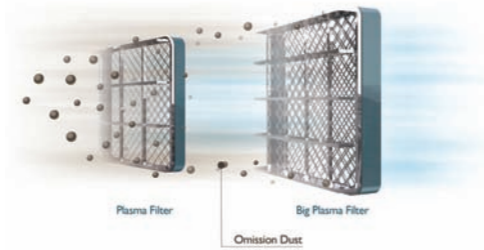
Super-Slient Airflow System

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 airflow.



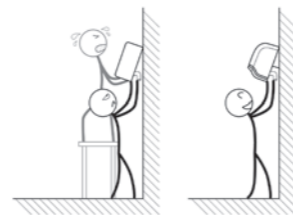
Super PLASMA Air Purifier

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
- Follow Me
- Plasma
- Self-cleaning
- Sleep Mode
- Turbo Mode
- Heating Belt (outdoor)
- Low Ambient Cooling

Features: ■ Standard ■ Optional

Specification_Alps Series (Super DC Inverter)



			MSIA-09HRFNI-QE0 MOC-09HFNI-QE0	MSIA-12HRFNI-QD2 MOC-12HFNI-QD2	MSIA-18HRFNI-QC4 MOC-18HFNI-QC4	MSIA-24HRFNI-QC2W MOF-24HFNI-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 (m³/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 (m²)		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 reflects the level in anechoic chamber.



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)



		Indoor Unit	MSX-07HRFN1-QE4	MSX-09HRFN1-QE0	MSX-12HRFN1-QD2	MSX-18HRFN1-QC4
		Outdoor Unit	MOC-07HFNI-QE4	MOC-09HFNI-QE0	MOC-12HFNI-QD2	MOC-18HFNI-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 (m³/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 (m²)		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 reflects the level in anechoic chamber.



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 release 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)



	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 (m³/h)	Indoor	670/470/400	670/470/400
		Noise Level (dB(A))	Indoor(Hi/Med/Lo)	38/28/24
		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 (m²)		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 reflects the level in anechoic chamber.



Specification_Y Series DC Inverter (COP:4.2)

		Indoor Unit		MSY-09HRDNI-QC8		MSY-12HRDNI-QC4	
		Outdoor Unit		MOC-09HDNI-QC8		MOC-12HDNI-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 (m³/h)	Indoor	600/500/400		600/500/400		
		Outdoor	54		54		
	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 (m²)		25-35		30-45		
	Stuffing Quantity (Set)	20'/40'/40'HQ	92/190/230		92/190/230		

Specification_Y Series (DC inverter)

		Indoor Unit		MSY-09HRDNI-QC2(A)		MSY-12HRDNI-QC2(A)		MSY-18HRDNI-QC2(B)	
		Outdoor Unit		MOR-09HDNI-QC2		MOR-12HDNI-QC2		MOC-18HDNI-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 (m³/h)	Indoor	570/490/420		650/520/440		870/730/520		
Outdoor		52		52		56			
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 (m²)		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 data reflects the level in anechoic chamber.

Specification_Y Series (ON/OFF)

		Indoor Unit		MSY-07HRNI-QC2		MSY-09HRNI-QC2		MSY-12HRNI-QC2		MSY-18HRNI-QC2	
		Outdoor Unit		MOB-07HNI-QC2		MOB-09HNI-QC2		MOB1-12HNI-QC2		MOF-18HNI-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 (m³/h)	Indoor	450		550		650		850		
		Outdoor	52		53		54		56		
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 (m²)		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-09HRNI		MSYI-12HRNI	
Performance	Cooling/Heating	Btu/h	9000/10000		12000/13000		
	Air Flow	m³/h	550		650		
	Noise 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		M20A-18HRNI		M20A-21HRNI		M20A-24HRNI		M30C-27HRNI-Q		M30C-30HRNI-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	m³/h	2200		2200		3200		3200		3200		
Noise 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 data reflects 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



Split

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)



	Indoor Unit	Outdoor Unit	MSV1-09HRFN1-ND2E MOC-09HFN1-ND2E	MSV1-12HRFN1-ND0E MOCI-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 (m³/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 (m²)		25-35	30-45
	Stuffing Quantity (Set)		20/140/140/HQ	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 reflects the level in anechoic chamber.



Specification_Vertu Series DC Inverter (COP:4.2)

		Indoor Unit	MSV1-09HRDNI-QC8	MSV1-12HRDNI-QC4
		Outdoor Unit	MOC-09HDNI-QC8	MOC-12HDNI-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 (m³/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
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 (m²)		25-35	30-45
	Stuffing Quantity (Set)	20'/40'/40'HQ	97/192/240	97/192/240

Specification_Vertu Series (DC inverter)

		Indoor Unit	MSV1-09HRDNI-QC2	MSV1-12HRDNI-QC2	MSV1-18HRDNI-QC2F(C)	MSV1-24HRDNI-QC2W
		Outdoor Unit	MOR-09HDNI-QC2	MOR-12HDNI-QC2	MOC-18HDNI-QC2	MOF-24HDNI-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 (m³/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
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 (m²)		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 data reflects the level in anechoic chamber.

Specification_Vertu Series (ON/OFF)

		Indoor Unit	MSV1-07HRNI	MSV1-09HRNI	MSV1-12HRNI-QC2	MSV1-18HRNI-QC2F	MSV1-21HRNI-QB8FW	MSV1-24HRNI-QB8FW
		Outdoor Unit	MOA-07HNI	MOB-09HNI	MOB1-12HNI-QC2	MOF-18HNI-QC2F	MOF1-21HNI-QC0F	MOF3-24HNI-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 (m³/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
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 (m²)		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	MSV11-09HRNI	MSV11-12HRNI
Performance	Cooling/Heating	Btu/h	9000/10000	12000/13000
	Air Flow	m³/h	550	650
	Noise 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-18HRNI	M2OA-21HRNI	M2OA-24HRNI	M3OC-27HRNI-Q	M3OC-30HRNI-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
Dimension & Weight	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
	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	m³/h	2200	2200	3200	3200	3200
Noise 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 data reflects the level in anechoic chamber.



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 control, 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)



	Indoor Unit Outdoor Unit		MS9V-09HRFNI-QD2E MOC-09HFN I-QD2E	MS9V-12HRFNI-QD0E MOC-12HFN I-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 (m³/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 (m²)		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 reflects the level in anechoic chamber.



Specification_Vida Series DC Inverter (COP:4.2)

		Indoor Unit		MS9V-09HRDNI-QC8		MS9V-12HRDNI-QC4	
		Outdoor Unit		MOC1-09HDNI-QC8		MOC1-12HDNI-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 (m³/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 (m²)		25-35		30-45		
	Stuffing Quantity (Set)	20'/40'/40'HQ	95/200/240		95/200/240		

Specification_Vida Series (DC inverter)

		Indoor Unit		MS9V-09HRDNI-QC2		MS9V-12HRDNI-QC2		MS9V-18HRDNI-QC2		MS9V-24HRDNI-QC2W	
		Outdoor Unit		MOR-09HDNI-QC2		MOR-12HDNI-QC2		MOC-18HDNI-QC2		MOF-24HDNI-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 (m³/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 (m²)		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 data reflects the level in anechoic chamber.

Specification_Vida Series (ON/OFF)

		Indoor Unit		MS9V-07HRNI-QC2		MS9V-09HRNI-QC2		MS9V-12HRNI-QC2		MS9V-18HRNI-QC0		MS9V-21HRNI-QB8W		MS9V-24HRNI-QB8W	
		Outdoor Unit		MOK1-07HNI-QC2		MOA1-09HNI-QC2		MOB1-12HNI-QC2		MOC-18HNI-QC0		MOP-21HNI-QB8W		MOF1-24HNI-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 (m³/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 (m²)		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		MS9V1-09HRNI-Q		MS9V1-12HRNI-Q	
Performance	Cooling/Heating	Btu/h	9000/10000		12000/13000		
	Air Flow	m³/h	550		650		
	Noise 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			

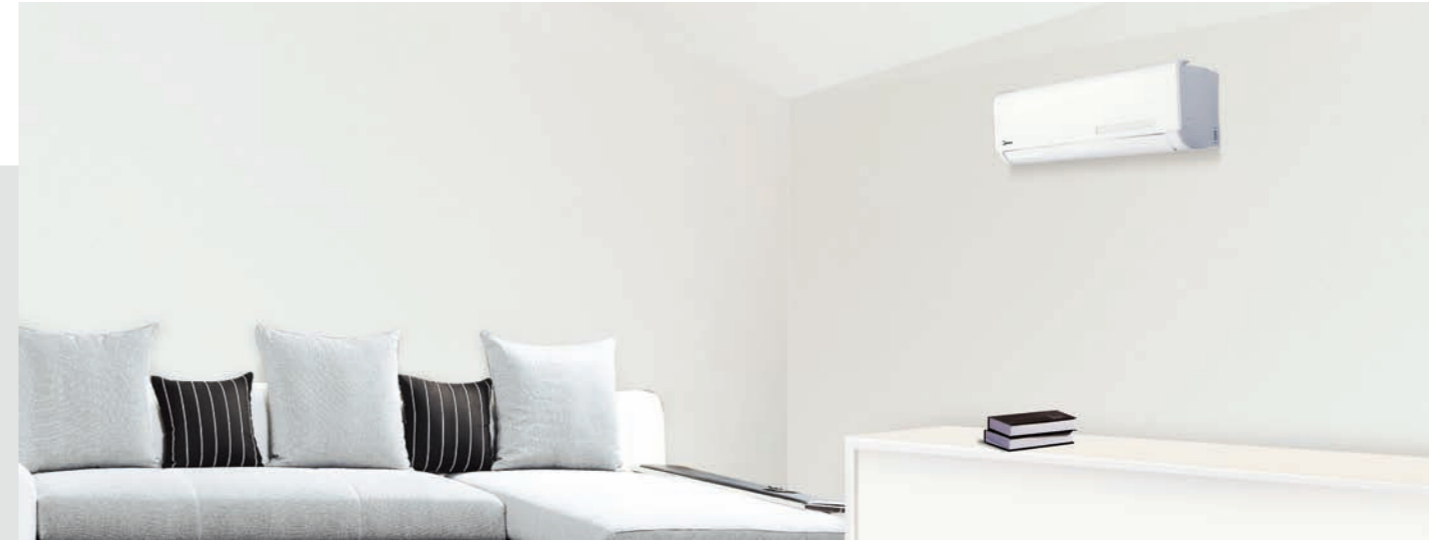
		Outdoor Unit		M20A-18HRNI		M20A-21HRNI		M20A-24HRNI		M30C-27HRNI-Q		M30C-30HRNI-Q	
Capacity	Cooling Capacity	Btu/h	9000x2		9000+12000		12000+12000		9000x3		9000x2+12000		
	Heating Capacity	Btu/h	10000x2		10000+14000		13000+13000		10000x3		10000x2+14000		
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50,1		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	m³/h	2200		2200		3200		3200		3200		
	Noise 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 data reflects the level in anechoic chamber.



220-240V~, 50Hz

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



Split

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)



	Indoor Unit Outdoor Unit		MS9A-09HRFNI-QD2E MOCI-09HFNI-QD2E	MS9A-12HRFNI-QD2E MOF-12HFNI-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 (m³/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 (m²)		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 reflects the level in anechoic chamber.



Specification_Luna Series DC Inverter (COP:4.2)

		Indoor Unit		MS9A-09HRDNI-QD0		MS9A-12HRDNI-QC6	
		Outdoor Unit		MOC-09HDNI-QD0		MOC-12HDNI-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 (m³/h)	Indoor	600/520/400		620/520/400		
		Outdoor	54		54		
	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 (m²)		25-35		30-45		
	Stuffing Quantity (Set)	20'/40'/40'HQ	95/202/245		95/202/245		

Specification_Luna Series (DC inverter)

		Indoor Unit		MS9A-09HRDNI-QC2		MS9A-12HRDNI-QC2		MS9A-18HRDNI-QC2		MS9A-24HRDNI-QC2W	
		Outdoor Unit		MOR-09HDNI-QC2		MOR-12HDNI-QC2		MOC-18HDNI-QC2		MOF-24HDNI-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 (m³/h)	Indoor	550/450/350		600/520/400		800/700/600		1150/1000/900		
		Outdoor	52		52		56		57		
	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 (m²)		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 reflects the level in anechoic chamber.

Specification_Luna Series (ON/OFF)

		Indoor Unit		MS9A-07HRNI-QC2		MS9A-09HRNI-QC2		MS9A-12HRNI-QC2		MS9A-18HRNI-QC0		MS9A-21HRNI-QB8W		MS9A-24HRNI-QB8W	
		Outdoor Unit		MOKI-07HNI-QC2		MOAI-09HNI-QC2		MOBI-12HNI-QC2		MOC-18HNI-QC0		MOP-21HNI-QB8W		MOFI-24HNI-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 (m³/h)	Indoor	430		500		580		860		1100		1220		
		Outdoor	51		54		54		57		62		62		
	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 (m²)		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-09HRNI-Q		MS9AI-12HRNI-Q		MS9AI-18HRNI-Q							
Performance	Cooling/Heating	Btu/h	9000/11000		12000/13000		18000/20000								
	Air Flow	m³/h	500		600		850								
	Noise 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									
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	
	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	40x2/40x2		40+5.7/41.1+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	m³/h	2200		2200		3200		3200		3200		3200			
Noise 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 reflects the level in anechoic chamber.



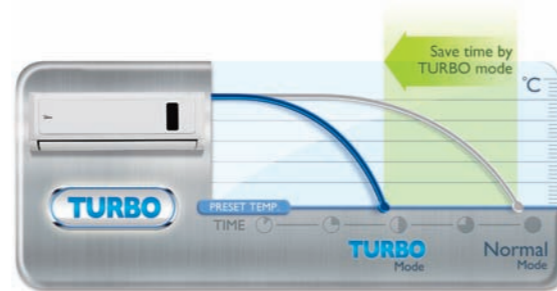
- 220-240V~, 50Hz
- Super DC inverter
- DC Inverter (COP:4.2)
- DC inverter
- ON/OFF
- Multi ON/OFF



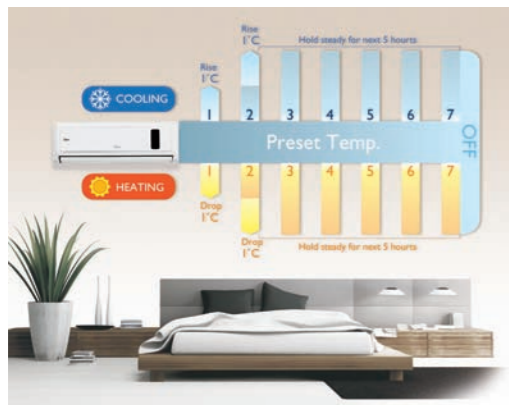
Split

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 Filter | | |
- Features: ■ Standard ■ Optional

Specification_Corona Series (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 (m³/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 (m²)	25-35	30-45	
	Stuffing Quantity (Set)	20/40/40/HQ	92/184/225	

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



Specification_Corona Series DC Inverter (COP:4.2)

		Indoor Unit		MSC-09HRDNI-QD0		MSC-12HRDNI-QC6	
		Outdoor Unit		MOC-09HDNI-QD0		MOC-12HDNI-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 (m³/h)	Indoor	600		620		
		Outdoor	54		54		
	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 (m²)		25-35		30-45		
	Stuffing Quantity (Set)	20'/40'/40'HQ	92/184/225		92/184/225		

Specification_Corona Series (DC inverter)

		Indoor Unit		MSC-09HRDNI-QC2		MSC-12HRDNI-QC2		MSC-18HRDNI-QC2(C)		MSC-24HRDNI-QC2W	
		Outdoor Unit		MOR-09HDNI-QC2		MOR-12HDNI-QC2		MOC-18HDNI-QC2		MOF-24HDNI-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 (m³/h)	Indoor	550		620		800		1150		
		Outdoor	52		52		56		58		
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 (m²)		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 reflects the level in anechoic chamber.

Specification_Corona Series (ON/OFF)

		Indoor Unit		MSC-07HRNI-QC2		MSC-09HRNI-QC2		MSC-12HRNI-QC2		MSC-18HRNI-QC2		MSC-21HRNI-QB8W		MSC-24HRNI-QB8W	
		Outdoor Unit		MOK2-07HNI-QC2		MOA1-09HNI-QC2		MOB2-12HNI-QC2		MOF-18HNI-QC2		MOF2-21HNI-QB8W		MOF2-24HNI-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 (m³/h)	Indoor	450		500		580		850		1020		1080		
		Outdoor	52		53		54		58		59		60		
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		700x35x235		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 (m²)		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-09HRNI		MSCI-12HRNI		MSCI-18HRNI	
Performance	Cooling/Heating	Btu/h	9000/11000		12000/13000		18000/20000		
	Air Flow	m³/h	500		600		850		
	Noise 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		M20A-18HRNI		M20A-21HRNI		M20A-24HRNI		M20A-30HRNI		M30C-27HRNI-Q		M30C-30HRNI-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		72/77		75/79		78/82		80/83		
	Air Flow	m³/h	2200		2200		3200		3200		3200		3200		
Noise 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 reflects the level in anechoic chamber.



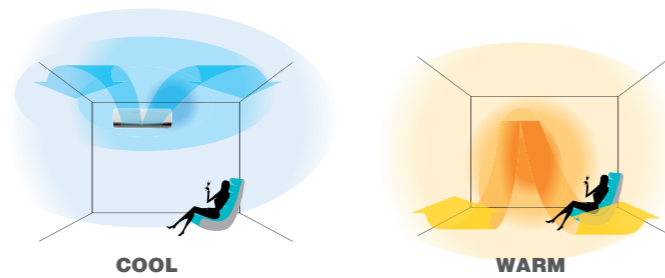
R410A 220-240V~, 50Hz
 DC Inverter
 ON/OFF
 Multi ON/OFF



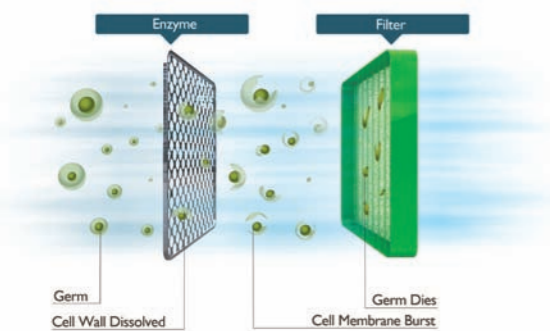
Split

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.

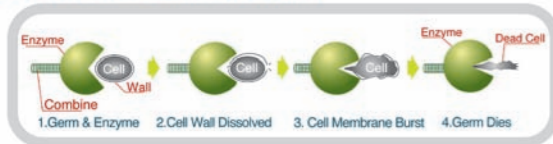


Bio Filter



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)



	Indoor Unit Outdoor Unit		MSG-09HRDNI-QC2 MOR-09HDNI-QC2	MSG-12HRDNI-QC2 MOR2-12HDNI-QC2	MSG-18HRDNI-QC2(C) MOC-18HDNI-QC2	MSG-24HRDNI-QC2W MOF-24HDNI-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

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

Specification_Glory Series (ON/OFF)

			Indoor Unit	MSG-07HRNI-QC2	MSG-09HRNI-QC2	MSG-12HRNI-QC2
			Outdoor Unit	MOK-07HNI-QC2	MOA1-09HNI-QC2	MOB2-12HNI-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 (m³/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 (m²)		14-23	23-32	27-42	
	Stuffing Quantity (Set)	20'/40'/40'HQ	134/270/326	134/270/326	102/220/260	

			Indoor Unit	MSG-18HRNI-QB8	MSG1-24HRNI-QB8W	MSG-36HRNI-RB9
			Outdoor Unit	MOE-18HNI-QB8	MOF2-24HNI-QB8W	MSG-36HRNI-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 (m³/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 (m²)		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 reflects the level in anechoic chamber.

Specification_Glory Series Multi (ON/OFF)

			Indoor Unit	MSGI-09HRNI	MSGI-12HRNI
Performance	Cooling/Heating	Btu/h	9000/10000	12000/13000	
	Air Flow	m³/h	510	660	
	Noise 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	M20A-18HRNI	M20A-21HRNI	M20A-24HRNI
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	m³/h	2200	2200	3200	
	Noise Level	dB(A)	56	56	58	

			Outdoor Unit	M30C-27HRNI-Q	M30C-30HRNI-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	m³/h	3200	3200	
	Noise 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 reflects the level in anechoic chamber.



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 0.1 μm. 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)



	Indoor Unit Outdoor Unit		MSR1-09HRDNI-QC8	MSR1-12HRDNI-QC4	MSR1-09HRDNI-QC2	MSR1-12HRDNI-QC2	MSR1-18HRDNI-QC2(C)	MSR1-24HRDNI-QC2W
			MOC-09HDNI-QC8	MOC-12HDNI-QC4	MOR-09HDNI-QC2	MOR2-12HDNI-QC2	MOC-18HDNI-QC2	MOF-24HDNI-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)
	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 (m³/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	48/45/43	
	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 (m²)		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

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

Specification_R Series (ON/OFF)

		Indoor Unit	MSR1-07HRN1-QC2(A)	MSR1-09HRN1-QC2(A)	MSR1-12HRN1-QC2	MSR1-18HRN1-QB8	MSR1-21HRN1-QB8W	MSR1-24HRN1-QB8W
		Outdoor Unit	MOK1-07HNI-QC2	MOA1-09HNI-QC2	MOB2-12HNI-QC2	MOE-18HNI-QB8	MOF-21HNI-QB8W	MOF2-24HNI-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 (m³/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
	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 (m²)		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	m³/h	380	550
	Noise 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	M20A-18HRN1	M20A-21HRN1	M20A-24HRN1	M30C-27HRN1-Q	M30C-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	m³/h	2200	2200	3200	3200	3200
Noise 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 reflects the level in anechoic chamber.

Portable



Tango *Portable*



Specification_Tango Series

			MPG-07CEN1-QB6 MPG-07CRN1-QB6	MPG-07EEN1-QB6 MPG-07ERN1-QB6	MPG-09CEN1-QB6 MPG-09CRN1-QB6	MPG-09EEN1-QB6 MPG-09ERN1-QB6
Capacity	Cooling Capacity	Btu/h	7000	7000	9000	9000
		KW	2.0	2.0	2.6	2.6
	Heating Capacity	Btu/h	N/A	4500	N/A	4500
		KW	N/A	1.3	N/A	1.3
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	780	780	1000	1000
		Heating	N/A	1300	N/A	1300
	Operating Current (A)	Cooling	3.5	3.5	4.4	4.4
Heating		N/A	5.9	N/A	5.9	
Performance	EER	Btu/W/h	8.9	8.9	8.9	8.9
	EER	W/W	2.62	2.62	2.62	2.62
	Energy Rate		A	A	A	A
	Moisture Removal	l/h	1.4	1.4	1.6	1.6
	Air Flow Volume	(m ³ /h)	380	380	400	400
	Noise Level (dB(A))	Hi/Med/Lo	52/50/48	52/50/48	54/52/50	54/52/50
Dimension & Weight	Net Dimension (mm)	WxHxD	443x840x355	443x840x355	443x840x355	443x840x355
	Packing Dimension (mm)	WxHxD	485x890x465	485x890x465	485x890x465	485x890x465
	Net /Gross Weight	kg	30/34	30/34	30/34	30/34
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	120/336	120/336	120/336	120/336

Fashionable Design

Fashion design and streamline appearance match stylish home settings.



Stylish LED Display



Eye catching digital LED panel presents modern home appliance feature.

- Auto Restart Function
 - Auto Swing
 - Fashion Design
 - Flexible Installation Kit
 - No Bucket Design
 - Sleep Mode
 - Self-diagnosis and Auto-protection Function
 - Timer
 - Washable Filter
 - Ionizer
 - Follow Me
 - Optional Filter
 - PTC Heater
- Features: ■ Standard ■ Optional

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

Nova *Portable*



Specification_Nova Series

		MPN2-09CEN1-QB6 MPN2-09CRN1-QB6	MPN2-09EEN1-QB6 MPN2-09ERN1-QB6	MPN2-12CEN1-QB6 MPN2-12CRN1-QB6	MPN2-12EEN1-QB6 MPN2-12ERN1-QB6	
Capacity	Cooling Capacity	Btu/h	9000	9000	12000	12000
		kW	2.6	2.6	3.5	3.5
	Heating Capacity	Btu/h	N/A	5000	N/A	5000
		kW	N/A	1.4	N/A	1.4
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	1000	1000	1340	1340
		Heating	N/A	1500	N/A	1500
	Operating Current (A)	Cooling	4.4	4.4	5.8	5.8
Heating		N/A	6.6	N/A	6.6	
Performance	EER	Btu/W/h	8.9	8.9	8.9	8.9
	EER	W/W	2.62	2.62	2.62	2.62
	Energy Rate		A	A	A	A
	Moisture Removal	l/h	1.6	1.6	1.8	1.8
	Air Flow Volume	(m ³ /h)	400	400	500	500
	Noise Level (dB(A))	Hi/Med/Lo	53/50/48	53/50/48	55/52/49	55/52/49
Dimension & Weight	Net Dimension (mm)	WxHxD	455x755x365	455x755x365	455x755x365	455x755x365
	Packing Dimension (mm)	WxHxD	507x890x440	507x890x440	507x890x440	507x890x440
	Net /Gross Weight	kg	30/34	30/34	35/40	35/40
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	114/357	114/357	114/357	114/357

Sliding Door

When switching the unit off, the door will slide up to close to keep the dust away.



Follow me

With this technology, a temperature sensor is built in the remote controll. When you stay close to the remote controll, the unit will automatically change the operation mode to supply comfortable temperature just like the air conditioner is following you.



Fashionable Design

Trendy, comfortable outlook.



- Auto Restart Function
- Auto Swing
- Fashion Design
- Flexible Installation Kit
- No Bucket Design
- Sleep Mode
- Self-diagnosis and Auto-protection Function
- Timer
- Washable Filter
- Follow Me
- Ionizer
- Optional Filter
- PTC Heater

Features: ■ Standard ■ Optional

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



Specification_N3 Series

			MPN3-07CEN1-QB6 MPN3-07CRN1-QB6	MPN3-07EEN1-QB6 MPN3-07ERN1-QB6	MPN3-09CEN1-QB6 MPN3-09CRN1-QB6	MPN3-09EEN1-QB6 MPN3-09ERN1-QB6
Capacity	Cooling Capacity	Btu/h	7000	7000	9000	9000
		kW	2.0	2.0	2.6	2.6
	Heating Capacity	Btu/h	N/A	5000	N/A	5000
		kW	N/A	1.4	N/A	1.4
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	780	780	1000	1000
		Heating	N/A	1400	N/A	1400
	Operating Current (A)	Cooling	3.5	3.5	4.7	4.7
Heating		N/A	6.2	N/A	6.2	
Performance	EER	Btu/W/h	8.9	8.9	8.9	8.9
	EER	W/W	2.62	2.62	2.62	2.62
	Energy Rate		A	A	A	A
	Moisture Removal	l/h	1.6	1.6	1.6	1.6
	Air Flow Volume	(m ³ /h)	380	380	380	380
	Noise Level (dB(A))	Hi/Med/Lo	52/49/47	52/49/47	54/51/49	54/51/49
Dimension & Weight	Net Dimension (mm)	WxHxD	444x714x370	444x714x370	444x714x370	444x714x370
	Packing Dimension (mm)	WxHxD	498x880x423	498x880x423	498x880x423	498x880x423
	Net /Gross Weight	kg	28/32	28/32	28/32	28/32
Stuffing Quantity	Stuffing Quantity (Set)		20'/40'HQ	120/384	120/384	120/384

Fashionable Design

Trendy, comfortable outlook.



Slinger-up System



Bucket free design(Slinger-up system) brings sophisticated cooling power.

- Auto Restart Function
 - Auto Swing
 - Fashion Design
 - Flexible Installation Kit
 - No Bucket Design
 - Sleep Mode
 - Self-diagnosis and Auto-protection Function
 - Timer
 - Washable Filter
 - Follow Me
 - Ionizer
 - Optional Filter
 - PTC Heater
- Features: ■ Standard ■ Optional

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

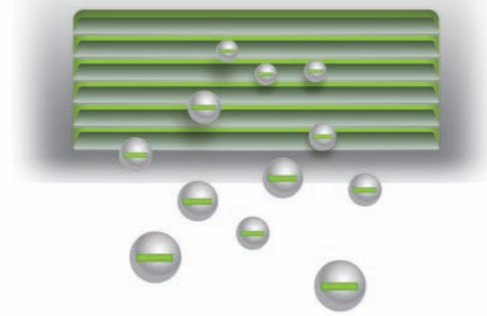


Specification_N/N1 Series

			MPN-08CENI-QB6	MPN-08EENI-QB6	MPN-09CENI-QB6	MPN-09EENI-QB6	MPN-12CENI-QB6	MPN-12EENI-QB6	MPN-12CENI-QB6	MPN-12EENI-QB6	
			MPN-08CRNI-QB6	MPN-08ERNI-QB6	MPN-09CRNI-QB6	MPN-09ERNI-QB6	MPN-12CRNI-QB6	MPN-12ERNI-QB6	MPN-12CRNI-QB6	MPN-12ERNI-QB6	
Capacity	Cooling Capacity	Btu/h	8000	8000	9000	9000	12000	12000	12000	12000	
		kW	2.3	2.3	2.6	2.6	3.5	3.5	3.5	3.5	
	Heating Capacity	Btu/h	N/A	5000	N/A	5000	N/A	6000	N/A	6000	
		kW	N/A	1.4	N/A	1.4	N/A	1.7	N/A	1.7	
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	220-240,50,1	220-240,50,1	
		Power Input (W)	Cooling	900	900	1000	1000	1340	1340	1340	1340
	Heating	N/A	1500	N/A	1500	N/A	1800	N/A	1800		
	Operating Current (A)	Cooling	4.0	4.0	4.4	4.4	5.8	5.8	5.8	5.8	
Heating		N/A	6.6	N/A	6.6	N/A	7.8	N/A	7.8		
Performance	EER	Btu/W/h	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	
		W/W	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	
	Energy Rate	A	A	A	A	A	A	A	A		
	Moisture Removal	l/h	1.6	1.6	1.6	1.6	1.8	1.8	1.8	1.8	
	Air Flow Volume	(m ³ /h)	400	400	420	420	500	500	520	520	
	Noise Level (dB(A))	Hi/Med/Lo	52/49/46	52/49/46	52/49/46	52/49/46	55/52/49	55/52/49	55/52/49	55/52/49	
Dimension & Weight	Net Dimension (mm)	WxHxD	430x680x320	430x680x320	430x720x320	430x720x320	490x812x419	490x812x419	490x812x419	490x812x419	
		Packing Dimension (mm)	WxHxD	500x840x410	500x840x410	500x865x410	500x865x410	565x880x490	565x880x490	565x880x490	565x880x490
	Net /Gross Weight	kg	29/34.5	29/34.5	29.5/33.5	29.5/33.5	35/40	35/40	35/40	35/40	
Stuffing Quantity	Stuffing Quantity (Set)		20/40'HQ	132/400	132/400	132/400	132/400	96/285	96/285	96/285	96/285

Ionizer

Taking advantage of Ionizer Technology, Midea air-conditioner brings fresh air with negative oxygen ions to your room. Negative oxygen ions can eliminate dust and smoke which are good for health. The amount of generated negative ions can reach as high as 1.0 x 10⁶/m³.



Sleep Mode



It's more human oriented and delicate design when in sleep Mode, it can save more energy.

- Auto Restart Function
- Fashion Design
- Flexible Installation Kit
- No Bucket Design
- Sleep Mode
- Self-diagnosis and Auto-protection Function
- Timer
- Washable Filter
- Auto Swing
- Ionizer
- Optional Filter
- PTC Heater

Features: ■ Standard ■ Optional

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

M4/M5 *Portable*



Specification_M4/M5 Series

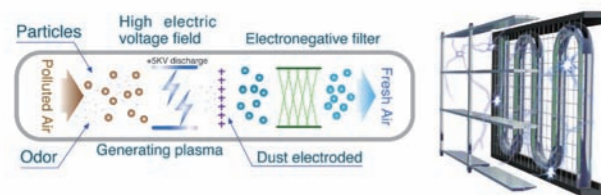
		MPM4(M5)-09CEN1-QB6	MPM4(M5)-09EEN1-QB6	MPM4(M5)-12CEN1-QB6	MPM4(M5)-12EEN1-QB6	MPM4(M5)-12HEN1-QB6
		MPM4(M5)-09CRN1-QB6	MPM4(M5)-09ERN1-QB6	MPM4(M5)-12CRN1-QB6	MPM4(M5)-12ERN1-QB6	MPM4(M5)-12HRN1-QB6
Capacity	Cooling Capacity	Btu/h	9000	9000	12000	12000
		kW	2.6	2.6	3.5	3.5
	Heating Capacity	Btu/h	N/A	6500	N/A	6500
		kW	N/A	1.9	N/A	1.9
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	990	1000	1300	1300
		Heating	N/A	1800	N/A	1900
	Operating Current (A)	Cooling	4.4	4.4	5.8	5.8
		Heating	N/A	7.8	N/A	8.5
	Performance	EER	Btu/W/h	9.1	9.1	9.2
EER		W/W	2.66	2.66	2.71	2.71
Energy Rate		A	A	A	A	
Moisture Removal		l/h	1.6	1.6	1.8	1.8
Air Flow Volume		(m ³ /h)	520	520	520	520
Noise Level (dB(A))		Hi/Med/Lo	54/51/48	54/51/48	55/52/49	55/52/49
Dimension & Weight	Net Dimension (mm)	WxHxD	480x845x403	480x845x403	480x845x403	480x845x403
	Packing Dimension (mm)	WxHxD	725x885x460	725x885x460	725x885x460	725x885x460
	Net /Gross Weight	kg	35/41	35/41	38/43.5	38/43.5
Stuffing Quantity	Stuffing Quantity (Set)		20/40'HQ	80/245	80/245	80/245

Touch panel

Flat control panel showcases fashionable design.



Plasma



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:

- Auto Restart Function
- Auto Swing
- Fashion Design
- Flexible Installation Kit
- No Bucket Design
- Sleep Mode
- Self-diagnosis and Auto-protection Function
- Timer
- Turbo Mode
- Washable Filter
- Follow Me
- Ionizer
- Optional Filter
- PTC Heater

Features: ■ Standard ■ Optional

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



Specification_Mini Series

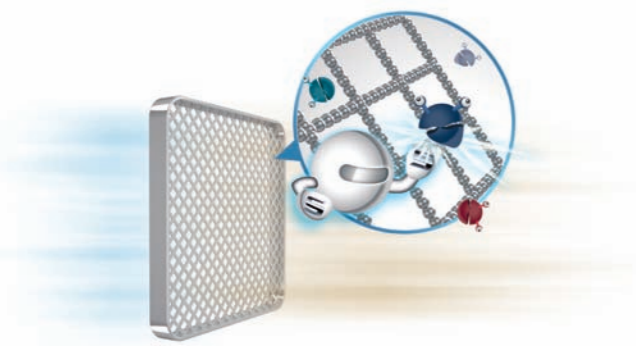
			MPM-07CENI-QB4 MPM-07CRNI-QB4	MPT-09CENI-QB6 MPT-09CRNI-QB6
Capacity	Cooling Capacity	Btu/h	7000	9000
		kW	2.0	2.6
	Heater Capacity	Btu/h	N/A	N/A
		kW	N/A	N/A
Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50, 1	220-240,50, 1
	Power Input (W)	Cooling	810	1000
		Heater	N/A	N/A
	Operating Current (A)	Cooling	3.5	4.4
Heater		N/A	N/A	
Performance	EER	Btu/W/h	8.7	8.9
	EER	W/W	2.54	2.62
	Energy Rate		B	A
	Moisture Removal	l/h	1.4	1.6
	Water tank volume		3	4
	Air Flow Volume	(m ³ /h)	280	380
	Noise Level (dB(A))	Hi/Med/Lo	52/49/47	54/51/49
Dimension & Weight	Net Dimension (mm)	WxHxD	454x739x339	454x739x339
	Packing Dimension (mm)	WxHxD	515x880x390	680x850x400
	Net /Gross Weight	kg	27/33	32/37.5
Stuffing Quantity	Stuffing Quantity (Set)		20'/40'HQ	134/400
				96/300

Compact Design








Mini Portable is designed to be more compact and optimized structure. Net size and packing size are minimized to save space for the convenience of transportation.



Silver Ion Filter



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

-  Auto Restart Function
-  Fashion Design
-  Flexible Installation Kit
-  Self-diagnosis and Auto-protection Function
-  Timer
-  Washable Filter
-  Optional Filter

Features: ■ Standard ■ Optional

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

T1 Dehumidifier

Dehumidifier



R134a 220-240V~, 50Hz

Substantial loading quantity

The loading quantity per 40'HQ container is up to 1180 sets.



Powerful Dehumidification

Automatically adjust humidity to suitable level when continuous operation.










Translucent Tank



Auto-defrosting

Prevent evaporator from freezing, prolong product life and improve energy saving.



-  Auto Restart Function
-  Auto Defrosting
-  LED Display
-  Powerful Dehumidification
-  Golden Fin
-  Optional Filter
-  Semi-hidden Caster

Features: ■ Standard ■ Optional

T1 Dehumidifier



T2 Dehumidifier



Specification_T1 Series

			MDT1-08DEN3 MDT1-08DMN3 MDT1-08DKN3	MDT1-10DEN3 MDT1-10DMN3 MDT1-10DKN3	MDT1-16DEN3 MDT1-16DMN3 MDT1-16DKN3	MDT1-20DEN3 MDT1-20DMN3 MDT1-20DKN3
Humidity Removal	Moisture Removal	30°C,RH80%	8	10	16	20
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)	30°C,RH80%	230	230	360	570
	Operating Current (A)	30°C,RH80%	1.4	1.4	2.1	2.9
Performance	Air Flow Volume	m ³ /h	120	120	175	175
	Water tank volume	L	1.5	1.5	2.8	2.8
	Noise Level (dB(A))	Hi/Med/Lo	45	45	51	51
Dimension & Weight	Net Dimension (mm)	WxHxD	350x485x275	350x485x275	397x500x297	397x500x297
	Packing Dimension (mm)	WxHxD	395x505x295	395x505x295	422x520x325	422x520x325
	Net /Gross Weight	kg	11.5/12.5	11.5/12.5	13.8/15	13.8/15
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	460/1180	460/1180	390/1010	390/1010

Convenient Handle








Ergonomical handle of T2 series is designed for easy carrying.



Power Cord Hidden Design

Power cord is hidden at the back of the dehumidifier.



-  Auto Restart Function
-  Auto Defrosting
-  LED Display
-  Powerful Dehumidification
-  Golden Fin
-  Semi-hidden Caster
-  Silver Ion Filter

Features: ■ Standard ■ Optional

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

T2 Dehumidifier



N3 Dehumidifier



Specification_T2 Series

MDT2-10DEN3			
Humidity Removal	Moisture Removal	30°C,RH80%	10
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1
	Power Input (W)	30°C,RH80%	230
	Operating Current (A)	30°C,RH80%	1.4
Performance	Air Flow Volume	m³/h	120
	Water tank volume	L	3.5
	Noise Level (dB(A))		45
Dimension & Weight	Net Dimension (mm)	WxHxD	350x400x350
	Packing Dimension (mm)	WxHxD	392x435x392
	Net /Gross Weight	kg	12.5/13.9
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	370/900

Slim Built










Slim built model with auto-defrosting function prevents evaporator from freezing, prolongs product life and saves energy.



Substantial loading quantity



The loading quantity per 40'HQ container is up to 1180 sets.

-  Auto Restart Function
-  Auto Defrosting
-  Convenient Handle
-  LED Display
-  Powerful Dehumidification
-  Slim Design
-  Transparent Water Level Indication
-  Golden Fin
-  Semi-hidden Caster

Features: ■ Standard ■ Optional

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

N3 Dehumidifier



N/N1/N2 Dehumidifier



Specification_N3 Series

			MDN3-08DEN3 MDN3-08DMN3	MDN3-10DEN3 MDN3-10DMN3	MDN3-16DEN3 MDN3-16DMN3	MDN3-20DEN3 MDN3-20DMN3
Humidity Removal	Moisture Removal	30°C,RH80%	8	10	16	20
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)	30°C,RH80%	230	330	390	420
	Operating Current (A)	30°C,RH80%	1.1	1.6	1.8	1.9
Performance	Air Flow Volume	m³/h	70	90	210	210
	Water tank volume	L	1.75	1.75	3	3
	Noise Level (dB(A))		43	43	51	51
Dimension & Weight	Net Dimension (mm)	WxHxD	331x501x190	331x501x190	350x508x233	350x508x233
	Packing Dimension (mm)	WxHxD	390x534x222	390x534x222	405x534x270	405x534x270
	Net /Gross Weight	kg	8.7/9.5	10/10.8	12/13	12/13
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	625/1610	625/1610	484/1245	484/1245

Auto-defrosting

Prevent evaporator from freezing, prolong product life and improve energy saving.



Fashionable Design



Fashionable design and streamline appearance match stylish home settings.

- Auto Restart Function
- Auto Defrosting
- Convenient Handle
- LED Display
- Powerful Dehumidification
- Slim Design
- Transparent Water Level Indication
- Golden Fin
- Semi-hidden Caster

Features: ■ Standard ■ Optional

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

N/N1/N2 Dehumidifier



F2/F3 Dehumidifier



Specification_N/N1/N2 Series

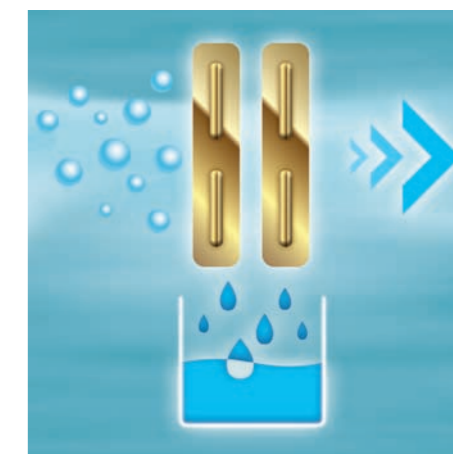
			MDN-08DEN3 MDN-08DMN3	MDN-10DEN3 MDN-10DMN3	MDN1-08DEN3 MDN1-08DMN3
Humidity Removal	Moisture Removal	30°C,RH80%	8	10	8
	Electrical Parts				
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Power Input (W)	30°C,RH80%	250	320	250
	Operating Current (A)	30°C,RH80%	1.2	1.5	1.2
Performance	Air Flow Volume	m³/h	70	85	70
	Water tank volume	L	1.5	1.5	1.5
	Noise Level (dB(A))		43	43	43
Net Dimension & Weight	Net Dimension (mm)	WxHxD	325x495x150	325x495x150	325x490x170
	Packing Dimension (mm)	WxHxD	385x530x200	385x530x200	385x530x200
	Net /Gross Weight	kg	8.5/9.5	8.5/9.5	8.5/9.5
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	700/1795	700/1795	700/1795

			MDN1-10DEN3 MDN1-10DMN3	MDN2-08DEN3 MDN2-08DMN3	MDN2-10DEN3 MDN2-10DMN3
Humidity Removal	Moisture Removal	30°C,RH80%	10	8	10
	Electrical Parts				
Electrical Parts	Power Supply	V~,Hz,Ph	220-240, 50, 1	220-240, 50, 1	220-240, 50, 1
	Power Input (W)	30°C,RH80%	320	250	320
	Operating Current (A)	30°C,RH80%	1.5	1.2	1.5
Performance	Air Flow Volume	m³/h	85	70	85
	Water tank volume	L	1.5	1.5	1.5
	Noise Level (dB(A))		43	43	43
Dimension & Weight	Net Dimension (mm)	WxHxD	325x490x170	325x480x160	325x480x160
	Packing Dimension (mm)	WxHxD	385x530x200	385x530x200	385x530x200
	Net /Gross Weight	kg	8.5/9.5	8.5/9.5	8.5/9.5
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	700/1795	700/1795	700/1795

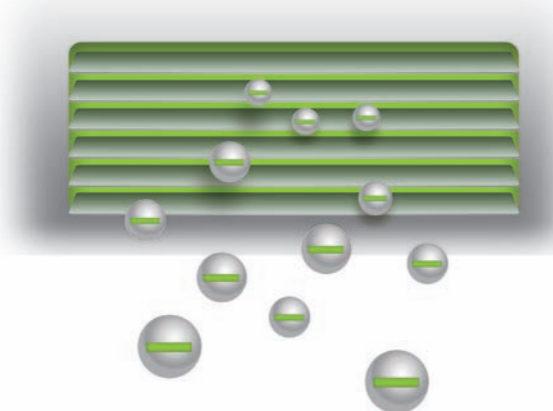
Remarks: 1.The above designs and specifications are subject to change of product improvement without prior notice.
2.The noise level date reflects the level in anechoic chamber.

Powerful Dehumidification

Automatically adjust humidity to suitable level when continuous operation.



Ionizer



Taking advantage of Ionizer Technology, Midea air-conditioner brings fresh air with negative oxygen ions to your room. Negative oxygen ions they can eliminate dust and smoke which is good for health. The amount of generated negative ions can reach as high as 1.0 × 10⁶/m³.

- Auto Restart Function
- Auto Defrosting
- Convenient Handle
- LED Display
- Powerful Dehumidification
- Omni-directional Caster
- Transparent Water Level Indication
- Ionizer
- Optional Filter

Features: ■ Standard ■ Optional

F2/F3 *Dehumidifier*



Window



Specification_F2/F3 Series

			MDF2(F3)-08DEN3	MDF2(F3)-10DEN3	MDF2(F3)-12DEN3
Humidity Removal	Moisture Removal	30°C,RH80%	8	10	12
	Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50, 1	220-240,50, 1
Performance	Power Input (W)	30°C,RH80%	185	235	300
	Operating Current (A)	30°C,RH80%	0.9	1.1	1.4
	Air Flow Volume	m³/h	100	100	100
Net Dimension & Weight	Water tank volume	L	2.9	2.9	2.9
	Noise Level (dB(A)) / F2		42	42	42
Net Dimension & Weight	Net Dimension (mm) / F2	WxHxD	325x480x225	325x480x225	325x480x225
	Packing Dimension (mm)/ F2	WxHxD	382x525x262	382x525x262	382x525x262
	Net /Gross Weight / F2	kg	10/12.5	10/12.5	10/12.5
	Net Dimension (mm)/ F3	WxHxD	335x510x214	335x510x214	335x510x214
	Packing Dimension (mm)/ F3	WxHxD	375x530x255	375x530x255	375x530x255
	Net /Gross Weight/ F3	kg	10/11.5	10/11.5	10.5/12
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	532/1370	532/1370	532/1370

			MDF2(F3)-16DEN3	MDF2(F3)-20DEN3
Humidity Removal	Moisture Removal	30°C,RH80%	16	20
	Electrical Parts	Power Supply	V~,Hz,Ph	220-240,50, 1
Performance	Power Input (W)	30°C,RH80%	320	450
	Operating Current (A)	30°C,RH80%	1.4	2.0
	Air Flow Volume	m³/h	200	200
Dimension & Weight	Water tank volume	L	3.1	3.1
	Noise Level (dB(A)) / F2		50	50
Dimension & Weight	Net Dimension (mm) / F2	WxHxD	340x480x235	340x480x235
	Packing Dimension (mm)/ F2	WxHxD	405x535x290	405x535x290
	Net /Gross Weight / F2	kg	12.5/14.5	13.5/16
	Net Dimension (mm)/ F3	WxHxD	348x508x238	348x508x238
	Packing Dimension (mm)/ F3	WxHxD	390x530x280	390x530x280
	Net /Gross Weight/ F3	kg	12/13	12.5/13.5
Stuffing Quantity	Stuffing Quantity (Set)	20'/40'HQ	440/1160	440/1160

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



Window

H/F1/F Window



Specification_H/F1/F Series

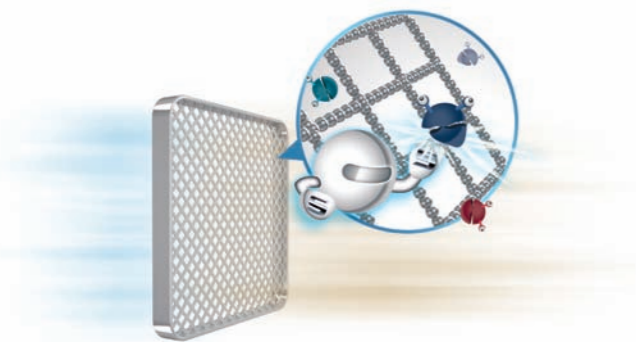
		MWH-09CMNI-QB4	MWH-09HMNI-QB4	MWF1-12CMNI-QB4	MWF1-12HMNI-QB4	MWF-16CMNI-QB4	MWF-16HMNI-QB4
		MWH-09CRNI-QB4	MWH-09HRNI-QB4	MWF1-12CRNI-QB4	MWF1-12HRNI-QB4	MWF-16CRNI-QB4	MWF-16HRNI-QB4
Capacity	Cooling Capacity	Btu/h	9000	9000	12000	12000	16000
		kW	2.6	2.6	3.5	3.5	4.6
	Heating Capacity	Btu/h	N/A	9000	N/A	12000	N/A
		kW	N/A	2.6	N/A	3.5	4.6
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
	Power Input (W)	Cooling	1100	1100	1450	1450	1950
		Heating	N/A	1000	N/A	1350	N/A
	Operating Current (A)	Cooling	4.8	4.8	6.5	6.5	9
		Heating	N/A	4.4	N/A	5.8	N/A
Performance	EER	Btu/W/h,W/W	2.41	2.41	2.41	2.41	2.41
	COP	W/W	N/A	2.63	N/A	2.61	N/A
	Energy Rate		D	D	D	D	D
	Air Flow Volume	m ³ /h	420	420	460	460	650
	Noise Level (dB(A))	Hi/Lo	51/45	51/45	53/47	53/47	57/50
Dimension & Weight	Net Dimension (mm)	WxHxD	452x342x550	452x342x550	600x380x560	600x380x560	660x430x687
	Packing Dimension (mm)	WxHxD	495x435x580	495x435x580	685x430x620	685x430x620	746x515x815
	Net /Gross Weight	kg	29.5/32	31/33.5	36.5/41	38/42.5	49/53.5
Stuffing Quantity	Stuffing Quantity (Set)	20/40/40/HQ	220/480/575	220/480/575	135/285/340	135/285/340	84/176/220

Slinger-up System

Bucket free design(Slinger-up system) brings sophisticated cooling power.



Silver Ion Filter



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

- Auto Defrosting
- Auto Restart Function
- Easy-cleaned Panel
- Fresh Air
- Slinger-Up
- Sliding Chassis
- Timer
- Unique Quiet Design
- Golden Fin
- Optional Filter

Features: ■ Standard ■ Optional

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