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2007

Midea Air Conditioners

50Hz

Midea Creates A Better Life



Midea produced its first Air Conditioner in 1985. Currently we are the leader of Air conditioner manufacturing and export. Midea has been exporting Air Conditioners for the last 16 years, and during this time Midea has cultivated strong partnerships with hundreds of overseas companies.

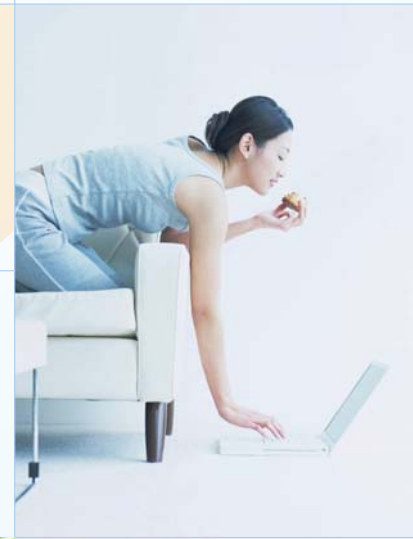
Our vertically integrated supply chain enables us to achieve maximum efficiency in production and product development.

Midea is dedicated to continuous improvement. Over 1000 engineers work together to push the improvement of AC technology. Every year over 300 new products are developed and 100 new patents are filed. New products account for 30% of total sales volume and 35% of gross profit.



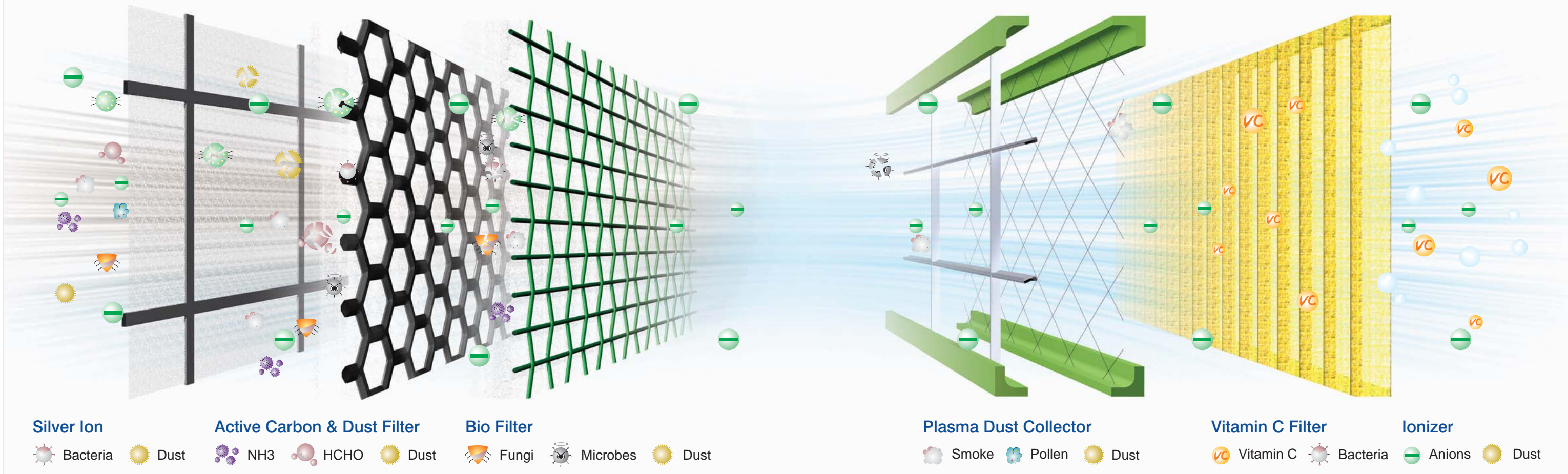
We provide Global technical training and a comprehensive online customer service. All our customers from over 110 countries and regions receive top quality service at all times.

Our goal is to deliver the highest quality products to our costumers. Quality is one of the core competencies of Midea.



Midea's **Fresco Tech** brings you clean and refreshing air

and fills your room with the soothing scent of nature.



Silver Ion Filter (Optional)

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 and continuously.

Ionizer (Optional)

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).

Anions Eliminate Dust and Smoke:

When air passes through the ionizer brush, Anions are automatically generated by ionization (3400V high static field). The amount of anions can reach as high as 1,000,000/cm³. The anions deactivate the airborne chemical vapors and dust particles.



Active Carbon Electrostatic Fibre Filter (Standard)

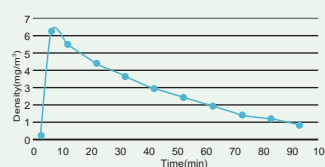
Active Carbon Electrostatic Fibre Filter is made of Active Carbon and Electrostatic Fibre Filter. Active Carbon Filter eliminates certain kinds of odors such as ammonia (NH₃) and deactivates harmful chemical gas such as formaldehyde (HCHO).

By forming positive positions on the filter surface, Electrostatic Fibre Filter traps small dust particles, smoke and pet fur to prevent allergic reactions.

NH₃ Removal Ratio of Active Carbon Filter

| Time (min) | Density of NH ₃ (mg/m ³) | NH ₃ Removal Ratio (mg/m ³) |
|------------|---|--|
| 0 | 3.17 | - |
| 30 | 0.51 | 83.91 |
| 60 | 0.28 | 91.17 |
| 120 | 0.22 | 93.06 |

Dust Removal Ratio of Electrostatic Fibre Filter

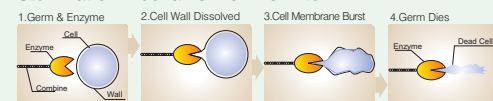


Bio Filter (Optional)

Bio Filter consists of a specialized biological enzyme and Eco filter. The Eco filter catches very small airborne dust particles and neutralities bacteria, fungi and microbes.

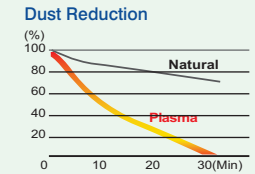
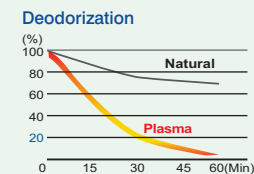
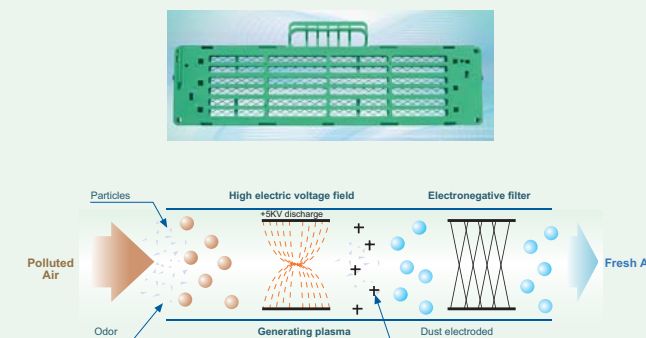
Biological enzyme eliminates bacteria by dissolving their cell wall thus eliminating the problem of re-pollution seen in traditional air conditioners.

Sterilization mechanism of Bio Filter



Plasma Dust collector (Optional)

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.

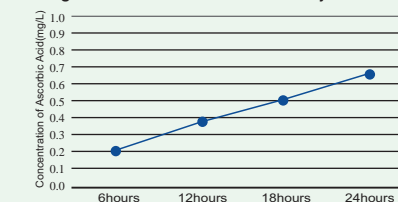


Vitamin C Filter (Optional)

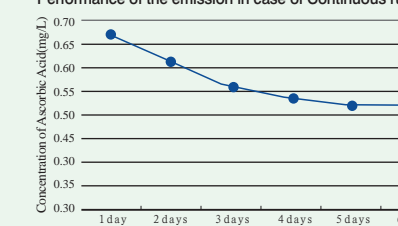
The Vitamin C filter fills the air with vitamin C, which softens the skin and reduces stress. The lifetime of the Vitamin C filter is approximately two years.



Progress of "Vitamin-C emission" every 6 hours

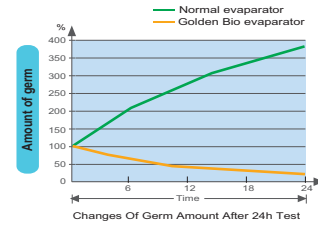
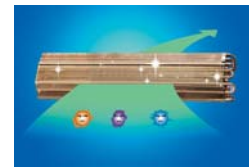


Performance of the emission in case of Continuous running



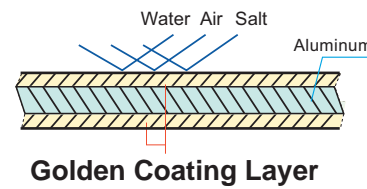
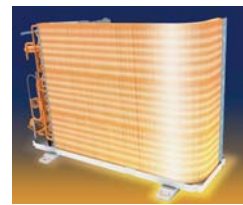
Golden Bio Evaporator

It can efficiently prevent bacteria from breeding and spreading. It helps create a health and comfortable environment.

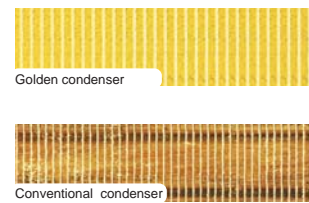


Golden Anti-corrosive Condenser

The Golden hydrophilic condenser can improve the heating efficiency by accelerating the defrosting process. The unique anti-corrosive golden coating on the condenser can withstand the salty air, rain and other corrosive elements.



Corrosion test results

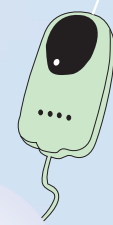


Tele Remote Tech

Midea's Tele Remote Control Technology enables you to control your A/C at anytime and anywhere by telephone.

Automatic tone instruction makes it simple for the A/C setting such as the mode setting, temperature setting and fan speed setting.

Password setting ensures a safe operation.



Turbo Mode
This function enables the unit to reach the preset temperature in the shortest time.

Auto-Restart Function
when the power is off and then on, The unit automatically restores the previous function setting.

Oxygen generating mechanism
The oxygen enrichment membrane in the outdoor unit can increase the oxygen density.

Independent Dehumidification
The unit will alternately operate in cooling mode or fan only mode, which assures strong dehumidification while not lowering room temperature.

Self-diagnosis and Auto-protection Function
This function can electronically detect the errors and display the diagnosis by a series of flashing LEDs on the indoor unit. Then the unit will automatically switch to protection mode.

Hydrophilic Aluminum Fin
In the indoor unit, it improves the cooling efficiency by enabling the unrestricted flow of condensate between the heat exchange fins. In the outdoor unit, it improves the heating efficiency by accelerating the defrosting process.

Two-direction Air Vane Technology
In cooling mode, the air vane opens counterclockwise, which directs the air horizontally. It allows for rapid and evenly distributed temperature fall. In heating mode, the air vane opens clockwise, which directs the air toward the floor. It allows for rapid and evenly distributed temperature rise.

Easy-cleaned Panel
The front panel may be easily removed for periodic cleaning.

Anti-Rust Cabinet
Made from electrolytic zinc steel sheet and anti-rust coated components.

Soft-starter Kit
It can keep the starting current within the limit of 45 A, which is suitable for some countries such as Australia, and North European countries.

Temp. Compensation (Optional)
The ceiling temperature is often higher than the floor temperature. This function can automatically eliminate the temperature difference between them.

Multi-Bend Heat Exchanger
Compared with conventional models, Midea's airconditioners adopt multi-bend heat exchangers. It help increase the heat-exchange surface so that it improves efficiency.

Two-speed outdoor fan (applicable to models>24000Btu/h)
With 2-speed fan motor, the outdoor unit can operate powerfully at high speed or can be adjusted to quiet and low speed operation at night.

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 most comfortable temperature and save energy.

Low Ambient Kit
The unit can operate in cooling mode at low ambient temperature conditions.

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

Valve Protection Cover
It protects the valves and prevents water from dripping.

Low Noise Air Flow System Large Diameter Cross Flow Fan
Without decreasing the flow volume, large diameter cross flow fan can greatly reduce the indoor unit's noise level by lowering the fan speed.

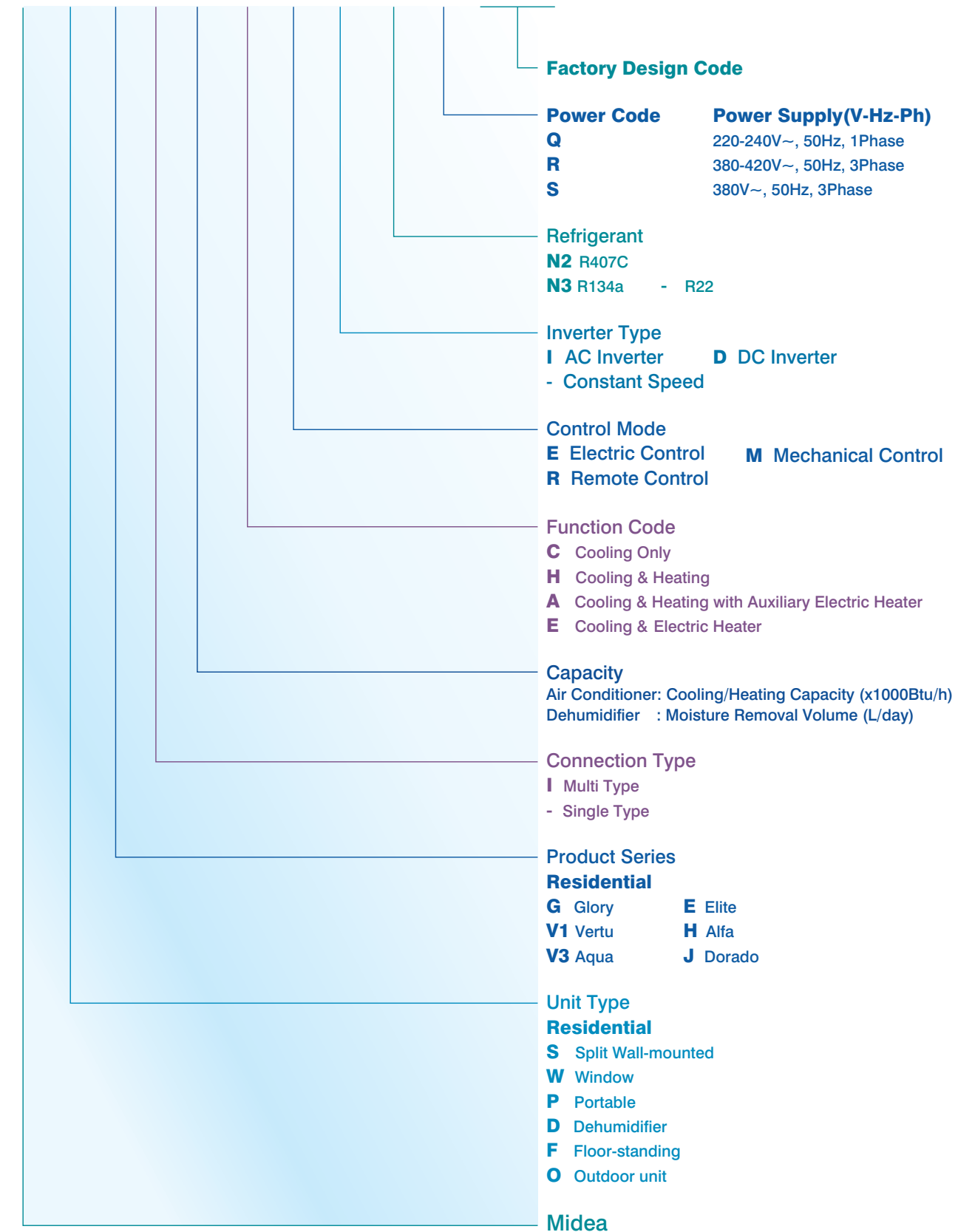
Anti-Cold Air Function (Heat Pump Only)
When the evaporator temperature is warm enough, the fan begins to operate, preventing any cold blasting.

Trapeziform Innergroove Copper
Compared with the triangular innergroove copper, it allows more adequate refrigerant to go through, improving heat exchange efficiency and lowers power consumption.


Fresh Air
Midea air conditioner have a pump in the indoor unit, when press the "Fresh Air" button, the pump suck the fresh air from outside, and the indoor polluted air flow out of the room via the air pressure.

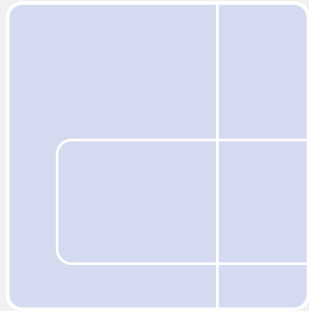
HOW TO READ THE MODELS ?

M S H I-12 H R D N1-Q D2 F



- Applicable to most of Midea's models.
- Button design might be slightly different from the actual one depending on individual models.

| | | 7'000 | 9'000 | 12'000 | 18'000 | 21'000 | 24'000 | 28'000 | |
|-------------------|-------------------|--|---|---|---|---|--|---|-------|
| Vertu | |  |  |  |  |  | | | 13 |
| Alfa Plus | |  |  |  |  |  |  |  | 15 |
| Elite | |  |  |  |  |  |  |  | 17 |
| Dorado | |  |  |  |  |  | | | 19 |
| Aqua | |  |  |  | | | | | 21 |
| Vita | | |  |  |  |  |  | | 23 |
| Helit | |  |  |  |  |  |  | | 25 |
| Glory Star Family | Single |  |  |  |  |  |  |  | 27-31 |
| | Multi | | | |  |  | |  | |
| | AC Inverter | |  |  | |  |  | | |
| | AC Inverter Multi | | | |  | | | | |
| Floor-standing | |  V Floor-standing 18000-28000B tu/h |  J Floor-standing 18000-48000B tu/h | | |  S2 Floor-standing 24000-48000B tu/h |  E Floor-standing 60000B tu/h | | 33 |
| F Window | |  |  |  |  |  |  |  | 39 |
| M1 Portable | | |  |  | | | | | 41 |
| K1 Portable | | |  |  | | | | | 42 |
| K Portable | | |  |  | | | | | 43 |
| F Portable | | |  |  | | | | | 44 |
| Mini Portable | |  | | | | | | | 45 |
| F Dehumidifier | | |  |  | | | | | 46 |
| Dehumidifier | | |  |  | | | | | 47 |



Midea Air Conditioners



Split
Wall-mounted Type



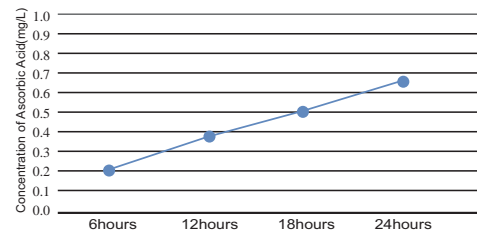


- MSH-07CR
- MSH-09CR
- MSH-12CR
- MSH-18CR
- MSH-21CR
- MSH-07HR
- MSH-09HR
- MSH-12HR
- MSH-18HR
- MSH-21HR
- MSH-24CR-QB6
- MSH-28CR-QB6
- MSH-24HR-QB6
- MSH-28HR-QB6

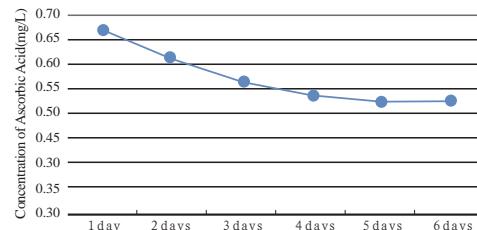
Vitamin C Filter (Optional)

Vitamin C is one of necessary material for human being, and it is also good for human skin. Vitamin C Filter is made of Vitamin C Emission material. When the air flows through it, the Vitamin C will be taken everywhere in the room.

Progress of "Vitamin-C emission" every 6 hours

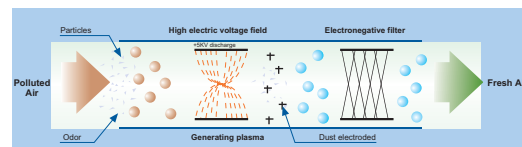


Performance of the emission in case of Continuous running

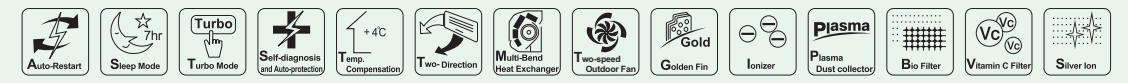


Plasma Tech (optional)

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.



Features:



| Model | Auto-Restart | Sleep Mode | Turbo Mode | Self-diagnosis and Auto-protection | Temp. Compensation | Two-Direction | Multi-Sens Heat Exchanger | Two-speed Outdoor Fan | Golden Fin | Ionizer | Plasma Dust collector | Bio Filter | Vitamin C Filter | Silver Ion |
|--------------------|--------------|------------|------------|------------------------------------|--------------------|---------------|---------------------------|-----------------------|------------|---------|-----------------------|------------|------------------|------------|
| MSH-07/09/C(H)R | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |
| MSH-12C(H)R | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |
| MSH-18/21C(H)R | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |
| MSH-24/28C(H)R-QB6 | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ |

● Standard ○ Optional

Specification:

| Model | MSH-07CR | MSH-07HR | MSH-09CR | MSH-09HR | MSH-12CR | MSH-12HR | MSH-18CR | MSH-18HR | |
|---|-----------------------------|----------------|----------------------|-------------|-----------------------|---------------|------------------------|--------------|------------------------|
| Capacity | | | | | | | | | |
| Cooling/Heating | Btu/h kW | 7000 2.1 | 7000/8000 2.1/2.3 | 9000 2.6 | 9000/10000 2.6/2.9 | 12000 3.5 | 12000/13000 3.5/3.8 | 18000 5.3 | 18000/20000 5.3/5.8 |
| Electrical Parts | | | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← | ← | |
| Power Input | Cooling/Heating W | 740 | 740/760 | 935 | 935/970 | 1290 | 1290/1270 | 1940 | 1940/2000 |
| Operating Current | Cooling/Heating A | 3.3 | 3.3/3.4 | 4.2 | 4.2/4.3 | 5.8 | 5.8/5.8 | 8.9 | 8.9/9.1 |
| Performance | | | | | | | | | |
| EER | Btu/W.h, W/W | 9.6, 2.82 | ← | 9.5, 2.78 | ← | 9.2, 2.71 | ← | 9.3, 2.74 | ← |
| COP | W/W | ← | 3.0 | ← | 2.99 | ← | 3.0 | ← | 2.9 |
| Air Flow Volume | Indoor m³/h | 450 | ← | 500 | ← | 600 | ← | 850 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 34/32/29 | ← | 36/33/31 | ← | 37/31/29 | ← | 41/38/35 | ← |
| | Outdoor dB(A) | 51 | ← | 52 | ← | 52 | ← | 54 | ← |
| Net Dimension & Weight | | | | | | | | | |
| Indoor unit | WxHxD mm | 750x250x205 | ← | ← | ← | 815x285x215 | ← | 920x292x225 | ← |
| Outdoor unit | WxHxD mm | 700x535x235 | ← | ← | ← | 780x540x250 | ← | ← | ← |
| Net Weight | Indoor/Outdoor kg | 8/24 | 8/25 | ← | ← | 8/26 | 10/36 | 10/37 | 13.5x37 |
| Packing Dimension & Gross Weight | | | | | | | | | |
| Indoor unit | WxHxD mm | 830x336x285 | ← | ← | ← | 915x360x290 | ← | 1015x370x295 | ← |
| Outdoor unit | WxHxD mm | 815x580x325 | ← | ← | ← | 910x575x335 | ← | ← | ← |
| Gross Weight | Indoor/Outdoor kg | 10/26 | 10/27 | 10/26 | 10/28 | 12x39 | 12/40 | 15.5/40 | 15.5/41 |
| Piping Connection | | | | | | | | | |
| Liquid Side | mm(inch) | φ 6.35 (1/4") | ← | ← | ← | ← | ← | ← | |
| Gas Side | mm(inch) | φ 9.53 (3/8") | ← | ← | ← | φ 12.7 (1/2") | ← | ← | |
| Applicable Area | m² | 10-14 | ← | 14-21 | ← | 18-26 | ← | 30-40 | ← |
| Stuffing Quantity | | | | | | | | | |
| 20'/40'/40'HQ | Set | 125/268/295 | ← | ← | ← | 105/224/260 | ← | 98/207/246 | ← |

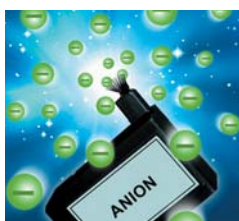
| Model | MSH-21CR | MSH-21HR | MSH-24CR-QB6 | MSH-24HR-QB6 | MSH-28CR-QB6 | MSH-28HR-QB6 | |
|---|-----------------------------|----------------|------------------------|---------------|------------------------|--------------|------------------------|
| Capacity | | | | | | | |
| Cooling/Heating | Btu/h kW | 21000 6.1 | 21000/24000 6.1/7.0 | 24000 7.0 | 24000/27000 7.0/8.0 | 28000 8.0 | 28000/30000 8.0/9.0 |
| Electrical Parts | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← | |
| Power Input | Cooling/Heating W | 2260 | 2260/2400 | 2600 | 2600/2840 | 3050 | 3050/3200 |
| Operating Current | Cooling/Heating A | 10.4 | 10.4/11.1 | 12.0 | 12.0/13.1 | 14.1 | 14.1/14.8 |
| Performance | | | | | | | |
| EER | Btu/W.h, W/W | 9.2, 2.70 | ← | 9.1, 2.68 | ← | 8.6, 2.64 | ← |
| COP | W/W | ← | 2.91 | ← | 2.82 | ← | 2.82 |
| Air Flow Volume | Indoor m³/h | 950 | ← | 1080 | ← | 1150 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 42/39/36 | ← | 44/41/38 | ← | 46/43/40 | ← |
| | Outdoor dB(A) | 54 | ← | 54 | ← | 55 | ← |
| Net Dimension & Weight | | | | | | | |
| Indoor unit | WxHxD mm | 920x292x225 | ← | 1080x330x232 | ← | ← | ← |
| Outdoor unit | WxHxD mm | 845x695x335 | ← | ← | ← | ← | ← |
| Net Weight | Indoor/Outdoor kg | 13.5/52 | 13.5/53 | 17/56 | 17/60 | 17/66 | 17/67 |
| Packing Dimension & Gross Weight | | | | | | | |
| Indoor unit | WxHxD mm | 1015x370x295 | ← | 1165x445x320 | ← | ← | ← |
| Outdoor unit | WxHxD mm | 970x770x395 | ← | ← | ← | ← | ← |
| Gross Weight | Indoor/Outdoor kg | 15.5/56 | 15.5/57 | 21/60 | 21/64 | 21/70 | 21/71 |
| Piping Connection | | | | | | | |
| Liquid Side | mm(inch) | φ 6.35 (1/4") | ← | φ 9.53 (3/8") | ← | ← | ← |
| Gas Side | mm(inch) | φ 12.7 (1/2") | ← | φ 16.0 (5/8") | ← | ← | ← |
| Applicable Area | m² | 34-49 | ← | 40-56 | ← | 50-68 | ← |
| Stuffing Quantity | | | | | | | |
| 20'/40'/40'HQ | Set | 72/145/170 | ← | 62/128/150 | ← | ← | ← |

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement.
2. The values given in the table for the noise level reflect the levels in anechoic chamber.



- MSE-05CR**
- MSE-07CR** | **MSE-09CR** | **MSE-12CR** | **MSE-18CR**
- MSE-07HR** | **MSE-09HR** | **MSE-12HR** | **MSE-18HR**
- MSE-21CR** | **MSE-24CR** | **MSE-28CR**
- MSE-21HR** | **MSE-24HR** | **MSE-28HR**

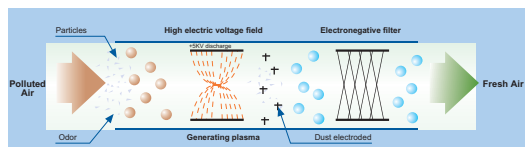
Ionizer (Optional)



The abundance of anions present at waterfall, rivulet and in forest soothes and refreshes people. Midea air conditioners have taken advantage of Ionizer Technology to bring the refreshing air to your home.

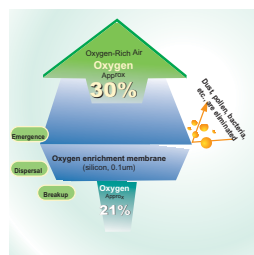
Plasma Tech (optional)

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.



Oxygen generator (Optional)

The oxygen enrichment membrane in the outdoor unit can increase the oxygen density up to 30%. It brings the refreshing air to your home.



Features:



| Model | +4°C Temp. Compensation | Auto-Restart | Sleep Mode | Turbo Turbo Mode | Two-Direction | Self-diagnosis and Auto-protection | Two-speed Outdoor Fan | O2 Oxygen | Golden Fin | Ionizer | Plasma Dust collector | Bio Filter | Vc/Vo Vamin C Filter | Silver Ion |
|--------------------|-------------------------|--------------|------------|------------------|---------------|------------------------------------|-----------------------|-----------|------------|---------|-----------------------|------------|----------------------|------------|
| MSE-05/07/09/C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| MSE-12C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| MSE-18/21C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| MSE-24/28C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

● Standard ○ Optional

Specification:

| Model | MSE-05CR | | MSE-07CR | | MSE-07HR | | MSE-09CR | | MSE-09HR | | MSE-12CR | | MSE-12HR | |
|----------------------------------|---------------------------|--------------------------|----------------|------------------------|----------------------------------|-------------------|--------------------|-------------------|---------------------|---|----------|--|----------|--|
| | Capacity | Electrical Parts | Performance | Net Dimension & Weight | Packing Dimension & Gross Weight | Piping Connection | Applicable Area | Stuffing Quantity | | | | | | |
| Capacity | Cooling/Heating | Btu/h kW | 5000 1.5 | 7000 2.1 | 7000/8000 2.1/2.3 | 9000 2.6 | 9000/10000 2.6/2.9 | 12000 3.5 | 12000/13000 3.5/3.8 | | | | | |
| Electrical Parts | Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← | ← | | | | | |
| | Power Input | Cooling/Heating W | 560 | 760 | 760/780 | 1000 | 1000/980 | 1300 | 1300/1270 | | | | | |
| | Operating Current | Cooling/Heating A | 2.56 | 3.5 | 3.5/3.6 | 4.6 | 4.6/4.4 | 5.9 | 5.9/5.8 | | | | | |
| Performance | EER | Btu/W.h, W/W | 8.9, 2.61 | 9.2, 2.69 | ← | 9.0, 2.64 | ← | 9.2, 2.71 | ← | | | | | |
| | COP | W/W | ← | ← | 3.0 | ← | 2.99 | ← | 3.0 | | | | | |
| | Air Flow Volume | Indoor m³/h | 350 | 400 | ← | 450 | ← | 580 | ← | | | | | |
| | Noise Level | Indoor (Hi/Med/Lo) dB(A) | 33/29/26 | 34/34/29 | ← | 36/33/31 | ← | 37/35/33 | ← | | | | | |
| | | Outdoor dB(A) | 47 | 48 | ← | 49 | ← | 52 | ← | | | | | |
| Net Dimension & Weight | Indoor unit | WxHxD mm | 710x250x195 | ← | ← | ← | ← | 790x265x195 | ← | | | | | |
| | Outdoor unit | WxHxD mm | 700x535x235 | ← | ← | ← | ← | 780x540x250 | ← | | | | | |
| | Net Weight | Indoor/Outdoor kg | 8/23 | 8/25.5 | 8/26 | 8/26.5 | 8.5/28.5 | 9/34 | ← | | | | | |
| Packing Dimension & Gross Weight | Indoor unit | WxHxD mm | 800x340x270 | ← | ← | ← | ← | 875x375x285 | ← | | | | | |
| | Outdoor unit | WxHxD mm | 815x580x325 | ← | ← | ← | ← | 910x575x335 | ← | | | | | |
| | Gross Weight | Indoor/Outdoor kg | 9.5/26 | 9.5x27.5 | 9.5/28 | 9.5/29 | 9.5/31 | 11/37 | 11/37 | | | | | |
| Piping Connection | Liquid Side | mm(inch) | φ 6.35 (1/4") | φ 6.35 (1/4") | ← | ← | ← | ← | ← | | | | | |
| | Gas Side | mm(inch) | φ 9.53 (3/8") | φ 9.53 (3/8") | ← | ← | ← | ← | φ 12.7 (1/2") | ← | | | | |
| Applicable Area | | m² | 8-12 | 10-14 | ← | 14-21 | ← | 18-26 | ← | | | | | |
| Stuffing Quantity | 20'/40'/40'HQ | Set | 126/272/298 | ← | ← | ← | ← | 108/226/266 | ← | | | | | |

| Model | MSE-18CR | | MSE-18HR | | MSE-21CR | | MSE-21HR | | MSE-24CR | | MSE-24HR | | MSE-28CR | | MSE-28HR | |
|----------------------------------|---------------------------|--------------------------|----------------|------------------------|----------------------------------|---------------------|-----------------|---------------------|-----------|---------------------|----------|--|----------|--|----------|--|
| | Capacity | Electrical Parts | Performance | Net Dimension & Weight | Packing Dimension & Gross Weight | Piping Connection | Applicable Area | Stuffing Quantity | | | | | | | | |
| Capacity | Cooling/Heating | Btu/h kW | 18000 5.3 | 18000/20000 5.3/5.9 | 21000 6.1 | 21000/25000 6.1/7.3 | 24000 7.0 | 24000/27000 7.0/8.0 | 28000 8.0 | 28000/30000 8.0/9.0 | | | | | | |
| Electrical Parts | Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← | ← | | | | | | | |
| | Power Input | Cooling/Heating W | 2000 | 2000/2020 | 2280 | 2280/2520 | 2670 | 2670/2820 | 3250 | 3250/3360 | | | | | | |
| | Operating Current | Cooling/Heating A | 9.1 | 9.1/9.2 | 10.3 | 10.3/11.5 | 12.1 | 12.1/12.8 | 14.8 | 14.8/15.2 | | | | | | |
| Performance | EER | Btu/W.h, W/W | 9.0, 2.64 | ← | 9.2, 2.70 | ← | 9.0, 2.63 | ← | 8.6, 2.53 | ← | | | | | | |
| | COP | W/W | ← | 2.90 | ← | 2.91 | ← | 2.81 | ← | 2.62 | | | | | | |
| | Air Flow Volume | Indoor m³/h | 800 | ← | ← | 1080 | ← | 1150 | ← | ← | | | | | | |
| | Noise Level | Indoor (Hi/Med/Lo) dB(A) | 41/39/37 | ← | 44/41/38 | ← | ← | 46/43/40 | ← | ← | | | | | | |
| | | Outdoor dB(A) | 54 | ← | 54 | ← | ← | 55 | ← | ← | | | | | | |
| Net Dimension & Weight | Indoor unit | WxHxD mm | 920x292x225 | ← | ← | ← | 1080x330x225 | ← | ← | ← | | | | | | |
| | Outdoor unit | WxHxD mm | 780x540x250 | ← | 845x695x335 | ← | ← | ← | ← | ← | | | | | | |
| | Net Weight | Indoor/Outdoor kg | 13/37 | 13.5/40 | 17/53 | 17/55 | 17/56 | 17/60 | 17/66 | 17/67 | | | | | | |
| Packing Dimension & Gross Weight | Indoor unit | WxHxD mm | 1015x370x295 | ← | ← | ← | 1165x445x320 | ← | ← | ← | | | | | | |
| | Outdoor unit | WxHxD mm | 910x575x335 | ← | 970x770x395 | ← | ← | ← | ← | ← | | | | | | |
| | Gross Weight | Indoor/Outdoor kg | 15/40 | 16.5/42.5 | 21/57 | 21/59 | 21/60 | 21/64 | 21/70 | 21/71 | | | | | | |
| Piping Connection | Liquid Side | mm(inch) | φ 6.35 (1/4") | ← | ← | ← | φ 9.53 (3/8") | ← | ← | ← | | | | | | |
| | Gas Side | mm(inch) | φ 12.7 (1/2") | ← | ← | ← | φ 16.0 (5/8") | ← | ← | ← | | | | | | |
| Applicable Area | | m² | 30-40 | ← | 34-49 | ← | 40-56 | ← | 50-68 | ← | | | | | | |
| Stuffing Quantity | 20'/40'/40'HQ | Set | 100/210/245 | ← | 66/142/163 | ← | 60/132/142 | ← | ← | ← | | | | | | |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement. 2.The values given in the table for the noise level reflect the levels in anechoic chamber.



- MSJ-07CR-QB6 MSJ-09CR-QB6 MSJ-12CR-QB6
- MSJ-07HR-QB6 MSJ-09HR-QB6 MSJ-12HR-QB6
- MSJ-18CR-QB6 MSJ-21CR-QB5
- MSJ-18HR-QB6 MSJ-21HR-QB5

Features:

| | Auto-Restart | Sleep Mode | Turbo Mode | Two-Direction | Self-diagnosis (Led Auto-protection) | +4°C Temp. Compensation | Multi-Blend Heat Exchanger | Trapeziform Ungrooved Copper | Golden Fin | Bio Filter | Vitamin C Filter | Silver Ion |
|--------------------|--------------|------------|------------|---------------|--------------------------------------|-------------------------|----------------------------|------------------------------|------------|------------|------------------|------------|
| MSJ-07/09C(H)R-QB6 | • | • | • | • | • | • | • | • | • | ○ | ○ | ○ |
| MSJ-12C(H)R-QB6 | • | • | • | • | • | • | • | • | • | ○ | ○ | ○ |
| MSJ-18/21C(H)R-QB6 | • | • | • | • | • | • | • | • | • | ○ | ○ | ○ |

• Standard ○ Optional

Specification:

■ Cooling Only ■ Cooling & Heating

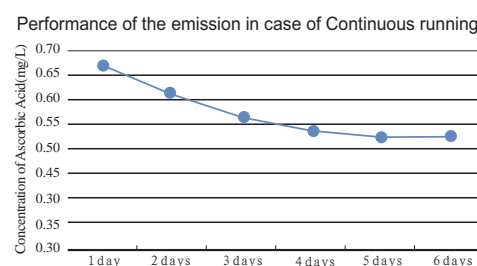
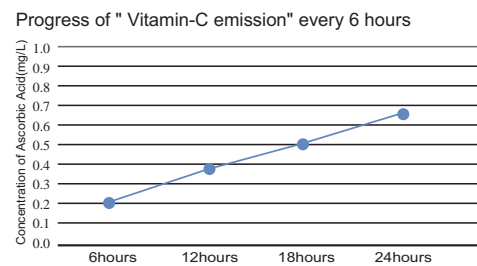
| Model | MSJ-07CR-QB6 | MSJ-07HR-QB6 | MSJ-09CR-QB6 | MSJ-09HR-QB6 |
|---|-----------------------------|----------------|----------------------|--------------|
| Capacity | | | | |
| Cooling/Heating | Btu/h kW | 7000 2.1 | 7000/8000 2.1/2.3 | 9000 2.6 |
| Electrical Parts | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← |
| Power Input | Cooling/Heating W | 780 780/800 | 980 | 980/1000 |
| Operating Current | Cooling/Heating A | 3.5 | 3.5/3.6 | 4.4 |
| Performance | | | | |
| EER | Btu/W.h, W/W | 9.1, 2.68 | ← | 9.0, 2.64 |
| COP | W/W | ← | 2.88 | ← |
| Air Flow Volume | Indoor m ³ /h | 500 | ← | 520 |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 34/31/29 | ← | 37/34/32 |
| | Outdoor dB(A) | 50 | ← | ← |
| Net Dimension & Weight | | | | |
| Indoor unit | WxHxD mm | 750x250x190 | ← | ← |
| Outdoor unit | WxHxD mm | 700x535x235 | ← | ← |
| Net Weight | Indoor/Outdoor kg | 8/25.5 | 8/26 | 8/26.5 |
| Packing Dimension & Gross Weight | | | | |
| Indoor unit | WxHxD mm | 840x340x270 | ← | ← |
| Outdoor unit | WxHxD mm | 815x580x325 | ← | ← |
| Gross Weight | Indoor/Outdoor kg | 9.5/27.5 | 9.5/28 | 9.5/28.5 |
| Piping Connection | | | | |
| Liquid Side | mm(inch) | φ 6.35 (1/4") | ← | ← |
| Gas Side | mm(inch) | φ 9.53 (3/8") | ← | ← |
| Applicable Area | m ² | 10-14 | ← | 14-21 |
| Stuffing Quantity | 20'/40'/40'HQ Set | 126/264/298 | ← | ← |

| Model | MSJ-12CR-QB6 | MSJ-12HR-QB6 | MSJ-18CR-QB6 | MSJ-18HR-QB6 | MSJ-21CR-QB5 | MSJ-21HR-QB5 |
|---|-----------------------------|----------------|------------------------|--------------|------------------------|--------------|
| Capacity | | | | | | |
| Cooling/Heating | Btu/h kW | 12000 3.5 | 12000/13000 3.5/3.8 | 18000 5.3 | 18000/20000 5.3/5.8 | 21000 6.1 |
| Electrical Parts | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← |
| Power Input | Cooling/Heating W | 1320 1320 | 1320/1350 5.9/6.1 | 2000 9.2 | 2000/2060 9.2/9.4 | 2420 11.2 |
| Operating Current | Cooling/Heating A | 5.9 | 5.9/6.1 | 9.2 | 9.2/9.4 | 11.2 |
| Performance | | | | | | |
| EER | Btu/W.h, W/W | 9.0, 2.64 | ← | 9.0, 2.64 | ← | 8.6, 2.52 |
| COP | W/W | ← | 2.82 | ← | 2.81 | ← |
| Air Flow Volume | Indoor m ³ /h | 550 | ← | 800 | ← | 920 |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 38/35/33 | ← | 42/39/37 | ← | 44/39/37 |
| | Outdoor dB(A) | 52 | ← | 56 | ← | 57 |
| Net Dimension & Weight | | | | | | |
| Indoor unit | WxHxD mm | 790x265x200 | ← | 920x292x225 | ← | ← |
| Outdoor unit | WxHxD mm | 780x540x250 | ← | ← | ← | 845x690x335 |
| Net Weight | Indoor/Outdoor kg | 9.5/34 | ← | 13.5/37 | ← | 13.5/53 |
| Packing Dimension & Gross Weight | | | | | | |
| Indoor unit | WxHxD mm | 875x375x285 | ← | 1015x370x295 | ← | ← |
| Outdoor unit | WxHxD mm | 910x575x335 | ← | ← | ← | 970x770x395 |
| Gross Weight | Indoor/Outdoor kg | 11/36 | ← | 15/39 | ← | 15/57 |
| Piping Connection | | | | | | |
| Liquid Side | mm(inch) | φ 6.35 (1/4") | ← | ← | ← | ← |
| Gas Side | mm(inch) | φ 12.7 (1/2") | ← | ← | ← | ← |
| Applicable Area | m ² | 18-26 | ← | 30-40 | ← | 34-49 |
| Stuffing Quantity | 20'/40'/40'HQ Set | 108/226/266 | ← | 100/210/245 | ← | 66/142/163 |

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement.
2. The values given in the table for the noise level reflect the levels in anechoic chamber.

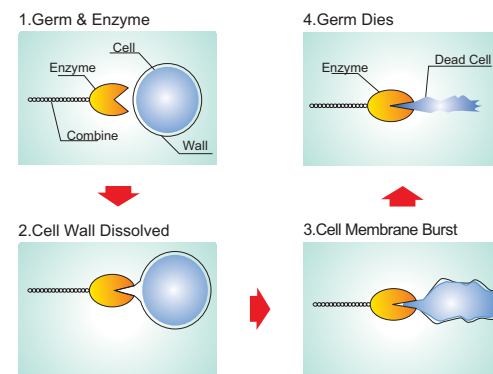
Vitamin C Filter (Optional)

Vitamin C is one of necessary material for human being, and it is also good for human skin. Vitamin C Filter is made of Vitamin C Emission material. When the air flows through it, the Vitamin C will be taken everywhere in the room.



Bio Filter (Optional)

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.



Silver Ion Filter (Optional)

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



- MSV3-07CR-QB8H MSV3-09CR-QB8H MSV3-12CR-QB8H
- MSV3-07HR-QB8H MSV3-09HR-QB8H MSV3-12HR-QB8H

Features:

| | +4°C Temp. Compensation | Auto-Restart | Sleep Mode | Turbo Turbo Mode | Two-Direction | Self-diagnosis and Auto-protection | Easy-Cleaned Panel | Multi-Band Heat Exchanger | Fresh Air | Trapeziform (enlarge Copper) | Golden Fin | Bio Filter | Vitamin C Filter | Silver Ion |
|-------------------|-------------------------|--------------|------------|------------------|---------------|------------------------------------|--------------------|---------------------------|-----------|------------------------------|------------|------------|------------------|------------|
| MSV3-07C(H)R-QB8H | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ |
| MSV3-09C(H)R-QB8H | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ |
| MSV3-12C(H)R-QB8H | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ |

● Standard ○ Optional

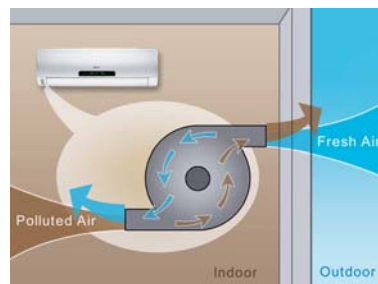
Specification:

| | | Model | MSV3-07CR-QB8H | | MSV3-07HR-QB8H | | MSV3-09CR-QB8H | | MSV3-09HR-QB8H | | MSV3-12CR-QB8H | | MSV3-12HR-QB8H | |
|----------------------------------|--|-----------------------------|----------------|----------------------|----------------|-----------------------|----------------|------------------------|----------------|----------|----------------|--|----------------|--|
| | | | Capacity | Capacity | Capacity | Capacity | Capacity | Capacity | Capacity | Capacity | | | | |
| Capacity | | | | | | | | | | | | | | |
| Cooling/Heating | | Btu/h kW | 7000 2.1 | 7000/8000 2.1/2.3 | 9000 2.6 | 9000/10000 2.6/2.9 | 12000 3.5 | 12000/13500 3.5/3.9 | | | | | | |
| Electrical Parts | | | | | | | | | | | | | | |
| Voltage, Frequency, Phase | | V-, Hz, Ph | 220-240, 50, 1 | | ← | | ← | | ← | | ← | | ← | |
| Power Input | | Cooling/Heating W | 740 | | 740/730 | | 920 | | 920/940 | | 1250 | | 1250/1300 | |
| Operating Current | | Cooling/Heating A | 3.3 | | 3.3/3.3 | | 4.2 | | 4.2/4.3 | | 5.6 | | 5.6/5.8 | |
| Performance | | | | | | | | | | | | | | |
| EER | | Btu/W.h, W/W | 9.7, 2.84 | | ← | | 9.6, 2.84 | | ← | | 9.5, 2.81 | | ← | |
| COP | | W/W | ← | | 3.14 | | ← | | 3.1 | | ← | | 3.1 | |
| Air Flow Volume | | Indoor m³/h | 500 | | ← | | 520 | | ← | | 550 | | ← | |
| Noise Level | | Indoor (Hi/Med/Lo) dB(A) | 34/31/29 | | ← | | 37/34/32 | | ← | | 38/35/33 | | ← | |
| | | Outdoor dB(A) | 50 | | ← | | 50 | | ← | | 52 | | ← | |
| Net Dimension & Weight | | | | | | | | | | | | | | |
| Indoor unit | | WxHxD mm | 805x270x205 | | ← | | ← | | ← | | 855x285x205 | | ← | |
| Outdoor unit | | WxHxD mm | 700x535x235 | | ← | | ← | | ← | | 780x540x250 | | ← | |
| Net Weight | | Indoor/Outdoor kg | 9/25.5 | | 9/26 | | 9/26.5 | | 9/27 | | 12/34 | | 12/35 | |
| Packing Dimension & Gross Weight | | | | | | | | | | | | | | |
| Indoor unit | | WxHxD mm | 915x400x320 | | ← | | ← | | ← | | 970x400x320 | | ← | |
| Outdoor unit | | WxHxD mm | 815x580x325 | | ← | | ← | | ← | | 910x575x335 | | ← | |
| Gross Weight | | Indoor/Outdoor kg | 10.5/27.5 | | 10.5/28 | | 10.5/28.5 | | 10.5/29 | | 14/36 | | 14/37 | |
| Piping Connection | | | | | | | | | | | | | | |
| Liquid Side | | mm(inch) | φ 6.35 (1/4") | | ← | | ← | | ← | | ← | | ← | |
| Gas Side | | mm(inch) | φ 9.53 (3/8") | | ← | | ← | | ← | | φ 12.7 (1/2") | | ← | |
| Applicable Area | | m² | 10-14 | | ← | | 14-21 | | ← | | 18-26 | | ← | |
| Stuffing Quantity | | | | | | | | | | | | | | |
| 20'/40'/40'HQ | | Set | 106/220/258 | | ← | | ← | | ← | | 102/206/242 | | ← | |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Fresh Air

Midea air conditioner have a pump in the indoor unit, when press the "Fresh Air" button, the pump suck the fresh air from outside, and the indoor polluted air flow out of the room via the air pressure.



Temp. Compensation (optional)

The ceiling temperature is often higher than the floor temperature. For example, floor temp. is 21°C, while ceiling temp may be 25°C. By adopting temp. compensation function, the temperature difference can be eliminated. So if you set temp for 21°C, the air-conditioner may make intelligent temp compensation, setting the ceiling temp for 25°C, to ensure the floor temp of 21°C.



Silver Ion Filter (Optional)

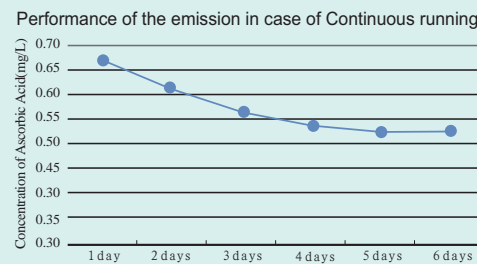
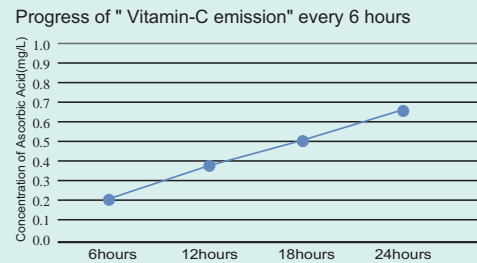
The Silver ion can kill bacteria or prevent their activity at very low density by destroying their inner-configuration and adsorbing their element in cells. Meanwhile, the Nano Silver attached on the filter release the Silver ion constantly to eliminate bacteria effectively and continuously.



- CSU-09YCBC CSU-12YCBC
- CSU-09YHBC CSU-12YHBC
- CSU-18YCAA CSU-21YCAA CSU-24YCAA
- CSU-18YHAA CSU-21YHAA CSU-24YHAA

Vitamin C Filter (Optional)

Vitamin C is one of necessary material for human being, and it is also good for human skin. Vitamin C Filter is made of Vitamin C Emission material. When the air flows through it, the Vitamin C will be taken everywhere in the room.



Silver Ion Filter (Optional)

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 and continuously.

Features:



| Model | Hydrophilic Aluminum Fin | Self-diagnosis and Auto-protection | Low Noise | Auto-Restart | Sleep Mode | Turbo Mode | T-W Direction | Trapeziform Integrate Copper | Anti-Rust Cabinet | Plasma Dust collector | Bio Filter | Vitamin C Filter | Valve Protection Cover |
|------------------|--------------------------|------------------------------------|-----------|--------------|------------|------------|---------------|------------------------------|-------------------|-----------------------|------------|------------------|------------------------|
| CSU-09/12YC(H)BC | • | • | • | • | • | • | • | • | • | ○ | ○ | ○ | ○ |
| CSU-18/21YC(H)AA | • | • | • | • | • | • | • | • | • | ○ | ○ | ○ | ○ |
| CSU-24YC(H)AA | • | • | • | • | • | • | • | • | • | ○ | ○ | ○ | ○ |

• Standard ○ Optional

Specification:

| Model | | CSU-09YCBC | CSU-09YHBC | CSU-12YCBC | CSU-12YHBC |
|---|---|----------------|-----------------------|--------------|------------------------|
| Capacity | | | | | |
| Cooling/Heating | Btu/h kW | 9000 2.6 | 9000/10000 2.6/3.0 | 12000 3.5 | 12000/14000 3.5/4.0 |
| Electrical Parts | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← |
| Power Input | Cooling W Heating W | 810 930 | 870 930 | 1200 | ← 1270 |
| Operating Current | Cooling A Heating A | 3.8 4.3 | 3.9 4.3 | 5.6 | ← 5.9 |
| Performance | | | | | |
| EER | Btu/W.h, W/W | 10.6, 3.1 | 9.8, 2.88 | 11.2, 2.90 | ← |
| COP | W/W | ← | 3.2 | ← | 3.14 |
| Air Flow Volume | Indoor m ³ /h | 430 | ← | 500 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) Outdoor dB(A) | 37/32/28 52 | ← ← | ← ← | ← ← |
| Net Dimension & Weight | | | | | |
| Indoor unit | WxHxD mm | 815x290x203 | ← | ← | ← |
| Outdoor unit | WxHxD mm | 780x540x255 | ← | ← | ← |
| Net Weight | Indoor/Outdoor kg | 9/35 | ← | ← | ← |
| Packing Dimension & Gross Weight | | | | | |
| Indoor unit | WxHxD mm | 850x345x300 | ← | ← | ← |
| Outdoor unit | WxHxD mm | 920x615x390 | ← | ← | ← |
| Gross Weight | Indoor/Outdoor kg | 12/39 | ← | ← | ← |
| Piping Connection | | | | | |
| Liquid Side | mm(inch) | φ 6.35(1/4") | ← | ← | ← |
| Gas Side | mm(inch) | φ 9.53(3/8") | ← | φ 12.7(1/2") | ← |
| Applicable Area | | | | | |
| | m ² | 14-21 | ← | 18-26 | ← |
| Stuffing Quantity | | | | | |
| 20/40/40/HQ | Set | 90/188/210 | ← | ← | ← |

| Model | | CSU-18YCAA | CSU-18YHAA | CSU-21YCAA | CSU-21YHAA | CSU-24YCAA | CSU-24YHAA |
|---|---|----------------|------------------------|--------------|----------------------|--------------|------------------------|
| Capacity | | | | | | | |
| Cooling/Heating | Btu/h kW | 18000 5.0 | 18000/19000 5.0/7.3 | 21000 6 | 21000/22000 6/6.3 | 24000 7.0 | 24000/25000 7.0/7.5 |
| Electrical Parts | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← |
| Power Input | Cooling W Heating W | 1850 1900 | ← 1900 | 2260 2170 | ← 2170 | 2640 2590 | ← 2590 |
| Operating Current | Cooling A Heating A | 8.8 9 | ← 9 | 10.7 10.3 | ← 10.3 | 12.5 11.3 | ← 11.3 |
| Performance | | | | | | | |
| EER | Btu/W.h, W/W | 9.2, 2.7 | ← | 9.1, 2.65 | ← | ← | ← |
| COP | W/W | ← | 2.9 | ← | 2.9 | ← | 2.9 |
| Air Flow Volume | Indoor m ³ /h | 700 | ← | ← | ← | 750 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) Outdoor dB(A) | 43/38/35 53 | ← ← | ← ← | ← ← | 35/46 58 | ← ← |
| Net Dimension & Weight | | | | | | | |
| Indoor unit | WxHxD mm | 1015x320x190 | ← | ← | ← | ← | ← |
| Outdoor unit | WxHxD mm | 780x540x255 | ← | 850x605x290 | ← | ← | ← |
| Net Weight | Indoor/Outdoor kg | 14/40 | ← | 14/47 | ← | 14/53 | ← |
| Packing Dimension & Gross Weight | | | | | | | |
| Indoor unit | WxHxD mm | 1050x370x290 | ← | ← | ← | ← | ← |
| Outdoor unit | WxHxD mm | 920x615x390 | ← | 1010x695x430 | ← | ← | ← |
| Gross Weight | Indoor/Outdoor kg | 17/44 | ← | 17/51 | ← | 17/58 | ← |
| Piping Connection | | | | | | | |
| Liquid Side | mm(inch) | φ 6.35(1/4") | ← | ← | ← | φ 9.53(3/8") | ← |
| Gas Side | mm(inch) | φ 12.7(1/2") | ← | ← | ← | φ 16.0(5/8") | ← |
| Applicable Area | | | | | | | |
| | m ² | 28-40 | ← | 34-49 | ← | 40-56 | ← |
| Stuffing Quantity | | | | | | | |
| 20/40/40/HQ | Set | 84/186/205 | ← | 70/140/170 | ← | ← | ← |

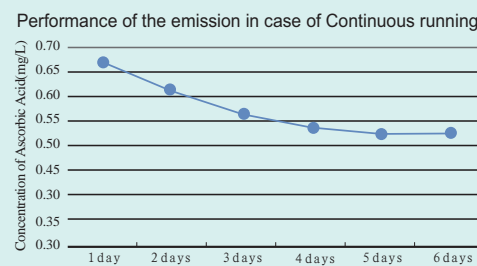
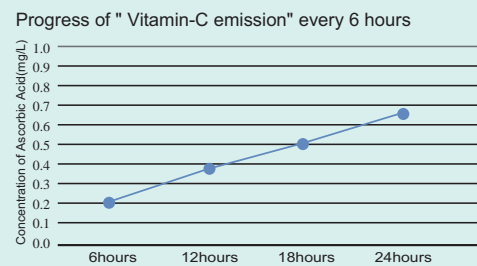
Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.



- CSU-05HCAA
- CSU-07HCAA
- CSU-09HCAA
- CSU-12HCAA
- CSU-18HCAA
- CSU-21HCAA
- CSU-24HCAA
- CSU-07HHAA
- CSU-09HHAA
- CSU-12HHAA
- CSU-18HHAA
- CSU-21HHAA
- CSU-24HHAA

Vitamin C Filter (Optional)

Vitamin C is one of necessary material for human being, and it is also good for human skin. Vitamin C Filter is made of Vitamin C Emission material. When the air flows through it, the Vitamin C will be taken everywhere in the room.



Silver Ion Filter (Optional)

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 and continuously.

Features:



| Model | Hydrophilic Aluminum Fin | Self-diagnosis and Auto-protection | Auto-Restart | Sleep Mode | Turbo Mode | Turboprop Intersperse Copper | Anti-Rust Cabinet | PTC Heater | Bio Filter | Vitamin C Filter | Value Protection Cover |
|---------------------|--------------------------|------------------------------------|--------------|------------|------------|------------------------------|-------------------|------------|------------|------------------|------------------------|
| CSU-05HCAA | • | • | • | • | • | • | • | • | • | • | • |
| CSU-07/09/12HC(H)AA | • | • | • | • | • | • | • | • | • | • | • |
| CSU-18HC(H)AA | • | • | • | • | • | • | • | • | • | • | • |
| CSU-21/24HC(H)AA | • | • | • | • | • | • | • | • | • | • | • |

• Standard ○ Optional

Specification:

| Model | CSU-05HCAA | CSU-07HCAA | CSU-07HHAA | CSU-09HCAA | CSU-09HHAA | |
|---|-----------------------------|----------------|-------------|----------------------|-------------|-----------------------|
| Capacity | | | | | | |
| Cooling/Heating | Btu/h kW | 5000 1.5 | 7000 2.0 | 7000/7500 2.0/2.2 | 9000 2.6 | 9000/10000 2.6/2.9 |
| Electrical Parts | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | |
| Power Input | W | 540 | 670 | 680 | 870 | |
| Operating Current | Cooling Heating A | 2.5 | 3.2 | 3.1 3.2 | 4.1 | 4.2 4.0 |
| Performance | | | | | | |
| EER | Btu/W.h, W/W | 9.5, 2.80 | 10.2, 2.98 | 10.0, 2.94 | 9.8, 2.88 | 9.4, 2.75 |
| COP | W/W | ← | ← | 3.06 | ← | 3.25 |
| Air Flow Volume | Indoor m ³ /h | 420 | ← | ← | ← | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 35/32/26 | ← | ← | ← | ← |
| | Outdoor dB(A) | 52 | ← | ← | ← | ← |
| Net Dimension & Weight | | | | | | |
| Indoor unit | WxHxD mm | 740x243x200 | ← | ← | ← | ← |
| Outdoor unit | WxHxD mm | 600x502x232 | ← | ← | ← | ← |
| Net Weight | Indoor/Outdoor kg | 7/23 | ← | ← | ← | ← |
| Packing Dimension & Gross Weight | | | | | | |
| Indoor unit | WxHxD mm | 785x295x260 | ← | ← | ← | ← |
| Outdoor unit | WxHxD mm | 735x565x370 | ← | ← | ← | ← |
| Gross Weight | Indoor/Outdoor kg | 9/26 | ← | ← | ← | ← |
| Piping Connection | | | | | | |
| Liquid Side | mm(inch) | φ 6.35(1/4") | ← | ← | ← | ← |
| Gas Side | mm(inch) | φ 9.53(3/8") | ← | ← | ← | ← |
| Applicable Area | | | | | | |
| | m ² | 8-10 | 10-14 | ← | 14-21 | ← |
| Stuffing Quantity | | | | | | |
| 20'/40'/40'HQ | Set | 126/270/322 | ← | ← | ← | ← |

| Model | CSU-12HCAA | CSU-12HHAA | CSU-18HCAA | CSU-18HHAA | CSU-21HCAA | CSU-21HHAA | CSU-24HCAA | CSU-24HHAA | |
|---|-----------------------------|----------------|------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|
| Capacity | | | | | | | | | |
| Cooling/Heating | Btu/h kW | 12000 3.5 | 12000/13000 3.5/3.9 | 18000 5.3 | 18000/19000 5.3/5.5 | 21000 6.1 | 21000/22000 6.1/6.5 | 24000 7.0 | 24000/26000 7.0/7.6 |
| Electrical Parts | | | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← | ← | |
| Power Input | W | 1320 | ← | 1890 | ← | 2280 | ← | 2680 | |
| Operating Current | Cooling Heating A | 6.3 | 1370 | 8.9 | 1820 | 10.8 | 2250 | 12.7 | 2730 |
| | Cooling Heating A | 6.5 | 6.5 | 8.6 | ← | 10.6 | ← | 13.1 | |
| Performance | | | | | | | | | |
| EER | Btu/W.h, W/W | 9.1, 2.65 | ← | ← | ← | 9.0, 2.63 | ← | 8.9, 2.61 | 8.7, 2.53 |
| COP | W/W | ← | 2.84 | ← | 3.03 | ← | 2.89 | ← | 2.78 |
| Air Flow Volume | Indoor m ³ /h | 500 | ← | 650 | ← | 700 | ← | 750 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 39/34/29 | ← | 43/38/34 | ← | 44/39/35 | ← | 46/39/35 | ← |
| | Outdoor dB(A) | 52 | ← | 53 | ← | 54 | ← | 56 | ← |
| Net Dimension & Weight | | | | | | | | | |
| Indoor unit | WxHxD mm | 740x243x200 | ← | 1015x320x190 | ← | ← | ← | ← | |
| Outdoor unit | WxHxD mm | 780x540x255 | ← | ← | ← | 850x605x290 | ← | ← | |
| Net Weight | Indoor/Outdoor kg | 8/35 | ← | 14/40 | ← | 14/47 | ← | 14/53 | |
| Packing Dimension & Gross Weight | | | | | | | | | |
| Indoor unit | WxHxD mm | 785x295x260 | ← | 1050x370x290 | ← | ← | ← | ← | |
| Outdoor unit | WxHxD mm | 920x615x390 | ← | ← | ← | 1010x695x430 | ← | ← | |
| Gross Weight | Indoor/Outdoor kg | 9/39 | ← | 17/44 | ← | 17/51 | ← | 17/58 | |
| Piping Connection | | | | | | | | | |
| Liquid Side | mm(inch) | φ 6.35(1/4") | ← | ← | ← | ← | ← | φ 9.53(3/8") | |
| Gas Side | mm(inch) | φ 12.7(1/2") | ← | ← | ← | ← | ← | φ 16.0(5/8") | |
| Applicable Area | | | | | | | | | |
| | m ² | 18-26 | ← | 28-49 | ← | 34-49 | ← | 40-56 | |
| Stuffing Quantity | | | | | | | | | |
| 20'/40'/40'HQ | Set | 108/220/250 | ← | 84/186/205 | ← | 70/140/170 | ← | ← | |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Glory Family

Glory Single



Single



- MSG-05CR
- MSG-07CR
- MSG-09CR
- MSG-12CR
- MSG-18CR
- MSG-07HR
- MSG-09HR
- MSG-12HR
- MSG-18HR
- MSG-21CR
- MSG-24CR
- MSG-30CR
- MSG-36CR
- MSG-21HR
- MSG-24HR
- MSG-30HR
- MSG-36HR

Multi



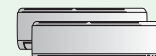
- MS2GI-18CR
- MS2GI-21CR
- MS3GI-27CR

AC Inverter



- MSG-09HRI
- MSG-12HRI
- MSG-21HRI
- MSG-24HRI

AC Inverter Multi



- MS2G-18HRI

Features:            

| Model | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|
| MSG-05/07/09/C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| MSG-12C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| MSG-18/21C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| MSG-24/30C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| MSG-36C(H)R | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |

● Standard ○ Optional

Specification:

| Model | Cooling Only | | | | | | | | | | Cooling & Heating | | |
|---|--------------------|-------------------|-------------|-----------|-----------|------------|-------------|--------------|--------------|-------------|-------------------|-------------|-----------|
| | MSG-05CR | MSG-07CR | MSG-07HR | MSG-09CR | MSG-09HR | MSG-12CR | MSG-12HR | MSG-18CR | MSG-18HR | MSG-21CR | MSG-21HR | | |
| Capacity | | | | | | | | | | | | | |
| Cooling/Heating | Btu/h | 5000 | 7000 | 7000/7600 | 9000 | 9000/10000 | 12000 | 12000/13000 | 18000 | 18000/20000 | 21000 | 21000/23500 | |
| | kW | 1.5 | 2.1 | 2.1/2.2 | 2.6 | 2.6/2.9 | 3.5 | 3.5/3.8 | 5.3 | 5.3/5.9 | 6.2 | 6.2/6.9 | |
| Electrical Parts | | | | | | | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | | | | | | | | | | | |
| Power Input | Cooling/Heating | W | 560 | 760 | 760/760 | 960 | 960/980 | 1230 | 1230/1290 | 1920 | 1920/1980 | 2300 | 2300/2400 |
| Operating Current | Cooling/Heating | A | 2.6 | 3.6 | 3.6/3.6 | 4.5 | 4.5/4.6 | 5.7 | 5.7/6.0 | 9.0 | 9.0/9.2 | 10.5 | 10.5/11.0 |
| Performance | | | | | | | | | | | | | |
| EER | Btu/W.h, W/W | 9.0, 2.62 | 9.2, 2.70 | ← | 9.4, 2.75 | ← | 9.8, 2.87 | ← | 9.4, 2.75 | ← | 9.1, 2.68 | ← | |
| COP | W/W | ← | 2.93 | ← | ← | 2.99 | ← | 2.95 | ← | 2.96 | ← | 2.87 | |
| Air Flow Volume | Indoor | m ³ /h | 300 | 380 | ← | 450 | ← | 550 | ← | 750 | ← | 800 | |
| Noise Level | Indoor (Hi/Med/Lo) | dB(A) | 32/30/28 | ← | ← | 37/34/31 | ← | 41/38/34 | ← | 41/38/35 | ← | 43/39/36 | |
| | Outdoor | dB(A) | 49 | ← | ← | 50 | ← | 52 | ← | 53 | ← | 54 | |
| Net Dimension & Weight | | | | | | | | | | | | | |
| Indoor unit | WxHxD | mm | 750x250x196 | ← | ← | ← | ← | ← | 906x286x245 | ← | ← | ← | |
| Outdoor unit | WxHxD | mm | 700x535x235 | ← | ← | ← | ← | 780x540x250 | ← | ← | 845x695x335 | ← | |
| Net Weight | Indoor/Outdoor | kg | 8.0/26 | 8.5/27 | 8.5/28 | 8.5/29 | 8.5/30 | 8.5/34 | 8.5/36 | 13.5/38 | 13.5/39 | 13.5/52 | |
| Packing Dimension & Gross Weight | | | | | | | | | | | | | |
| Indoor unit | WxHxD | mm | 830x336x280 | ← | ← | ← | ← | ← | 1020x380x328 | ← | ← | ← | |
| Outdoor unit | WxHxD | mm | 815x580x325 | ← | ← | ← | ← | 910x575x335 | ← | ← | 970x770x395 | ← | |
| Gross Weight | Indoor/Outdoor | kg | 9.5/29 | 10/30 | 10/31 | 10/32 | 10/33 | 10/37 | 10/39 | 16.5/41 | 16.5/42 | 16.5/57 | |
| Piping Connection | | | | | | | | | | | | | |
| Liquid Side | mm(inch) | φ 6.35(1/4") | ← | ← | ← | ← | ← | ← | ← | ← | ← | ← | |
| Gas Side | mm(inch) | φ 9.53(3/8") | ← | ← | ← | ← | ← | φ 12.7(1/2") | ← | ← | ← | ← | |
| Applicable Area | | | | | | | | | | | | | |
| | m ² | 8-12 | 10-14 | ← | 14-21 | ← | 18-26 | ← | 30-40 | ← | 34-49 | ← | |
| Stuffing Quantity | | | | | | | | | | | | | |
| 20/40/40HQ | Set | 126/260/290 | ← | ← | ← | ← | 113/238/280 | ← | 103/205/234 | ← | 66/142/163 | ← | |

| Model | Cooling Only | | | | Cooling & Heating | | | | | | | | |
|---|--------------------|-------------------|--------------|-----------|-------------------|--------------|-------------|--------------|-------------|--------------|-------------|---------|-----------|
| | MSG-24CR | MSG-24HR | MSG-30CR | MSG-30HR | MSG-36CR | MSG-36HR | MSG-30CR | MSG-30HR | MSG-36CR | MSG-36HR | | | |
| Capacity | | | | | | | | | | | | | |
| Cooling/Heating | Btu/h | 24000 | 24000/27000 | 28000 | 28000/30000 | 35000 | 35000/38000 | 28000 | 28000/32000 | 35000 | 35000/38000 | | |
| | kW | 7.0 | 7.0/7.9 | 8.2 | 8.2/8.8 | 10.3 | 10.3/11.1 | 8.2 | 8.2/9.4 | 10.3 | 10.3/11.1 | | |
| Electrical Parts | | | | | | | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | | | | | | | | | | | |
| Power Input | Cooling/Heating | W | 2750 | 2750/2750 | 3200 | 3200/3100 | 4120 | 4120/4100 | 380, 50, 3 | 3000 | 3000/3000 | 4120 | 4120/4100 |
| Operating Current | Cooling/Heating | A | 12.5 | 12.5/12.5 | 15.0 | 15.0/14.5 | 18.6 | 18.6/18.5 | 5.3 | 5.3/5.3 | 6.5 | 6.5/6.4 | |
| Performance | | | | | | | | | | | | | |
| EER | Btu/W.h, W/W | 8.7, 2.55 | ← | 8.8, 2.56 | ← | 8.5, 2.49 | ← | 9.3, 2.74 | ← | 8.5, 2.49 | ← | | |
| COP | W/W | ← | 2.88 | ← | 2.84 | ← | 2.72 | ← | 3.13 | ← | 2.72 | | |
| Air Flow Volume | Indoor | m ³ /h | 1050 | ← | 1150 | ← | 1350 | ← | 1150 | ← | 1350 | | |
| Noise Level | Indoor (Hi/Med/Lo) | dB(A) | 43/40/37 | ← | 47/44/41 | ← | 49/46/42 | ← | 47/44/41 | ← | 49/46/42 | | |
| | Outdoor | dB(A) | 56 | ← | 58 | ← | 59 | ← | 58 | ← | 59 | | |
| Net Dimension & Weight | | | | | | | | | | | | | |
| Indoor unit | WxHxD | mm | 1080x330x232 | ← | ← | 1250x325x240 | ← | 1080x330x232 | ← | 1250x325x240 | ← | | |
| Outdoor unit | WxHxD | mm | 845x695x335 | ← | ← | 895x860x330 | ← | 845x695x335 | ← | 895x860x330 | ← | | |
| Net Weight | Indoor/Outdoor | kg | 17/58 | 17/60 | 17/67 | 17/69 | 18/80 | 18/82 | 17/67 | 17/69 | 18/80 | | |
| Packing Dimension & Gross Weight | | | | | | | | | | | | | |
| Indoor unit | WxHxD | mm | 1165x445x320 | ← | ← | 1345x430x335 | ← | 1165x445x320 | ← | 1345x430x335 | ← | | |
| Outdoor unit | WxHxD | mm | 970x770x395 | ← | ← | 1045x930x395 | ← | 970x770x395 | ← | 1045x930x395 | ← | | |
| Gross Weight | Indoor/Outdoor | kg | 22/63 | 22/65 | 22/72 | 22/74 | 24/85 | 24/87 | 22/72 | 22/74 | 24/85 | | |
| Piping Connection | | | | | | | | | | | | | |
| Liquid Side | mm(inch) | φ 9.53(3/8") | ← | ← | ← | ← | ← | ← | ← | ← | ← | | |
| Gas Side | mm(inch) | φ 16.0(5/8") | ← | ← | ← | ← | ← | ← | ← | ← | ← | | |
| Applicable Area | | | | | | | | | | | | | |
| | m ² | 40-56 | ← | 50-68 | ← | 60-78 | ← | 50-68 | ← | 60-78 | ← | | |
| Stuffing Quantity | | | | | | | | | | | | | |
| 20/40/40HQ | Set | 60/127/142 | ← | ← | ← | 44/96/106 | ← | 60/127/142 | ← | 44/96/106 | ← | | |

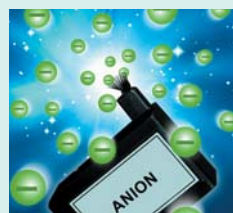
Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Vitamin C Filter (Optional)

Vitamin C is one of necessary material for human being, and it is also good for human skin. Vitamin C Filter is made of Vitamin C Emission material. When the air flows through it, the Vitamin C will be taken everywhere in the room.

Ionizer (Optional)

The abundance of anions present at waterfall, rivulet and in forest soothes and refreshes people. Midea air conditioners have taken advantage of Ionizer Technology to bring the refreshing air to your home.



Glory Multi

Features:

| | Auto-Restart | Sleep Mode | Two-Direction | Easy-Cleaned Panel | Anti-Rust Cabinet | Trapeziform Intergroove Copper | Self-diagnosis and Auto-protection | Golden Fin | Ionizer | Bio Filter | Vitamin C Filter | Silver Ion |
|-----------|--------------|------------|---------------|--------------------|-------------------|--------------------------------|------------------------------------|------------|---------|------------|------------------|------------|
| MSGI-09CR | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| MSGI-12CR | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |

● Standard ○ Optional

Specification:

Indoor unit

| Model | MSGI-09CR | MSGI-12CR |
|-------------------------------|---------------|---------------|
| Capacity | 9000/10000 | 12000/13000 |
| Air Flow | 550 | 580 |
| Dimension (WxHxD) | 750x250x196 | ← |
| Packing (WxHxD) | 830x336x280 | ← |
| Net/Gross Weight | 8.5/10 | ← |
| Indoor noise level (Hi/Mi/Lo) | 37/34/31 | 41/38/34 |
| Liquid side/Gas side | φ 6.35/φ 9.53 | φ 6.35/φ 12.7 |

Outdoor unit

| Model | M20A-18CR | M20A-21CR | M30A-27CR |
|----------------------------------|---|---|---|
| Capacity | | | |
| Cooling/Heating | Btu/h 9000x2 | Btu/h 9000+12000 | Btu/h 6500x2+9000 |
| | kW 2.6x2 | kW 2.6+3.5 | kW 1.9x2+2.6 |
| Electrical Data | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph 220-240, 50, 1 | ← | ← |
| Power Input | W 890x2 | W 890+1300 | W 1190+790 |
| Operating Current | A 3.9x2 | A 4.4+6.1 | A 5.2+3.3 |
| Performance | | | |
| EER | Btu/W.h, W/W 10.1 | Btu/W.h, W/W 9.3 | Btu/W.h, W/W 11.1 |
| COP | W/W 2.66 | W/W 2.46 | W/W 2.93 |
| Air Flow Volume | m³/h 500 | m³/h 600 | m³/h 1150 |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) 36/32/26 | Indoor (Hi/Med/Lo) dB(A) 38/34/28 | Indoor (Hi/Med/Lo) dB(A) 45/42/39 |
| | Outdoor dB(A) 50 | Outdoor dB(A) 53 | Outdoor dB(A) 55 |
| Net Dimension & Weight | | | |
| Indoor unit | WxHxD mm 750x250x196 | WxHxD mm 815x280x205 | WxHxD mm 1080x330x232 |
| Outdoor unit | WxHxD mm 760x590x285 | WxHxD mm ← | WxHxD mm 845x695x335 |
| Net Weight | kg 8.5/36 | kg 11/40 | kg 17/60 |
| Packing Dimension & Gross Weight | | | |
| Indoor unit | WxHxD mm 830x336x280 | WxHxD mm 915x360x275 | WxHxD mm 1165x445x320 |
| Outdoor unit | WxHxD mm 890x655x360 | WxHxD mm ← | WxHxD mm 970x770x395 |
| Gross Weight | kg 11/39 | kg 14/43 | kg 22/65 |
| Piping Connection | | | |
| Liquid Side | mm(inch) φ 6.35(1/4")x2 | mm(inch) φ 6.35(1/4") / φ 6.35(1/4") | mm(inch) φ 6.35(1/4")x3 |
| Gas Side | mm(inch) φ 9.53(3/8")x2 | mm(inch) φ 9.53(3/8") / φ 12.7(1/2") | mm(inch) φ 9.53(3/8")x3 |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Glory AC Inverter

Features:

| | Sleep Mode | Two-Direction | DSP High-speed Chip | Operating at Full Range Voltage | Easy-Cleaned Panel | Trapeziform Intergroove Copper | Anti-Rust Cabinet | Auto-Restart | Golden Fin | Ionizer | Bio Filter | Vitamin C Filter | Silver Ion |
|--------------|------------|---------------|---------------------|---------------------------------|--------------------|--------------------------------|-------------------|--------------|------------|---------|------------|------------------|------------|
| MSG-09HRI | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| MSG-12HRI | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |
| MSG-21/24HRI | ● | ● | ● | ● | ● | ● | ● | ● | ○ | ○ | ○ | ○ | ○ |

● Standard ○ Optional













Specification:

| Model | MSG-09HRI | MSG-12HRI | MSG-21HRI | MSG-24HRI |
|----------------------------------|---|---|---|----------------------------------|
| Capacity | | | | |
| Cooling | Btu/h 9000(2730-10600) | Btu/h 12000(3070-12300) | Btu/h 21000(9500-25000) | Btu/h 24000(10000-27000) |
| | kW 2.6(0.8-3.1) | kW 3.5(0.9-3.6) | kW 6.2(2.8-7.3) | kW 7.0(2.9-7.9) |
| Heating | Btu/h 12000(2730-14000) | Btu/h 15000(3070-17060) | Btu/h 28000(13000-30000) | Btu/h 30000(13000-33000) |
| | kW 3.5(0.8-4.1) | kW 4.4(0.9-5.0) | kW 8.2(3.5-8.8) | kW 8.8(3.8-9.7) |
| Electrical Parts | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph 220-240, 50, 1 | ← | ← | ← |
| Power Input | Cooling W 1080(270-1470) | Cooling W 1380(310-1710) | Cooling W 2450(1250-3100) | Cooling W 2700(1300-3350) |
| | Heating W 1350(270-1800) | Heating W 1790(300-2380) | Heating W 2800(1600-3450) | Heating W 3030(1700-3800) |
| Operating Current | Cooling A 6.0(1.45-7.6) | Cooling A 7.4(1.6-8.8) | Cooling A 12.0(6.4-15.5) | Cooling A 13.2(6.6-16.7) |
| | Heating A 7.2(1.45-9.3) | Heating A 10.5(1.6-12.3) | Heating A 14.0(7.7-17.3) | Heating A 15.1(8.2-18.7) |
| Performance | | | | |
| EER | Btu/W.h, W/W 8.3, 2.44 | Btu/W.h, W/W 8.7, 2.55 | Btu/W.h, W/W 8.6, 2.51 | Btu/W.h, W/W 8.9, 2.61 |
| COP | W/W 2.66 | W/W 2.46 | W/W 2.93 | W/W 2.90 |
| Air Flow Volume | m³/h 500 | m³/h 600 | m³/h 1150 | m³/h ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) 36/32/26 | Indoor (Hi/Med/Lo) dB(A) 38/34/28 | Indoor (Hi/Med/Lo) dB(A) 45/42/39 | Indoor (Hi/Med/Lo) dB(A) ← |
| | Outdoor dB(A) 50 | Outdoor dB(A) 53 | Outdoor dB(A) 55 | Outdoor dB(A) ← |
| Net Dimension & Weight | | | | |
| Indoor unit | WxHxD mm 750x250x196 | WxHxD mm 815x280x205 | WxHxD mm 1080x330x232 | WxHxD mm ← |
| Outdoor unit | WxHxD mm 760x590x285 | WxHxD mm ← | WxHxD mm 845x695x335 | WxHxD mm ← |
| Net Weight | kg 8.5/36 | kg 11/40 | kg 17/60 | kg ← |
| Packing Dimension & Gross Weight | | | | |
| Indoor unit | WxHxD mm 830x336x280 | WxHxD mm 915x360x275 | WxHxD mm 1165x445x320 | WxHxD mm ← |
| Outdoor unit | WxHxD mm 890x655x360 | WxHxD mm ← | WxHxD mm 970x770x395 | WxHxD mm ← |
| Gross Weight | kg 11/39 | kg 14/43 | kg 22/65 | kg ← |
| Piping Connection | | | | |
| Liquid Side | mm(inch) φ 6.35(1/4") | mm(inch) ← | mm(inch) φ 9.53(3/8") | mm(inch) ← |
| Gas Side | mm(inch) φ 9.53(3/8") | mm(inch) φ 12.7(1/2") | mm(inch) φ 16.0(5/8") | mm(inch) ← |
| Applicable Area | m² 18-24 | m² 20-30 | m² 34-49 | m² 40-56 |
| Stuffing Quantity | Set 20'/40'/40'HQ | Set 113/238/274 | Set 108/226/266 | Set 60/127/142 |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Glory AC Inverter Multi

Features:

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |  |
| MSGI-09HRI | • | • | • | • | • | • | • | ○ | ○ | ○ | ○ |

• Standard ○ Optional

Specification:

Indoor unit ■ Cooling & Heating

| Model | | MSGI-09HRI | |
|-------------------------------|-----------------|-------------------|---------------|
| Capacity | Cooling/Heating | Btu/h | 9000/10000 |
| Air Flow | High | m ³ /h | 500 |
| Dimension (WxHxD) | | mm | 750x250x188 |
| Packing (WxHxD) | | mm | 830x336x280 |
| Net/Gross Weight | | kg | 8.5/10 |
| Indoor noise level (Hi/Mi/Lo) | | dB(A) | 35/32/29 |
| Liquid side/Gas side | | mm | φ 6.35/φ 9.53 |

Outdoor unit

| Model | | MS2G-18HRI | |
|---------------------------|-------------------|-------------------|---------------------|
| | | Single | Double |
| Capacity | | | |
| Cooling | Btu/h | 9500(3400-11000) | 9000(2700-9500)x2 |
| | kW | 2.8(1.0-3.22) | 2.6(0.79-2.78)x2 |
| Heating | Btu/h | 12600(5100-14300) | 11000(3400-12300)x2 |
| | kW | 3.7(1.49-4.19) | 3.2(1.0-3.6)x2 |
| Electrical Parts | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← |
| Power Input | Cooling | 1100(350-1340) | 2200(570-2350) |
| | Heating | 1450(630-1910) | 2400(700-2670) |
| Operating Current | Cooling | 5.5(1.8-6.9) | 11.5(3.0-12.2) |
| | Heating | 6.9(3.3-9.9) | 12.5(3.6-13.8) |
| Performance | | | |
| EER | Btu/W.h, W/W | 8.6, 2.53 | 8.2, 2.40 |
| COP | W/W | 2.55 | 2.71 |
| Net Dimension | WxHxD | mm | 845x695x335 |
| Packing Dimension | WxHxD | mm | 970x770x395 |
| Net/Gross Weight | | kg | 59/65 |
| Outdoor air flow | m ³ /h | | 2000 |
| Outdoor noise level | dB(A) | | 13 |
| Piping Connection | | | |
| Liquid Side | mm(inch) | φ 6.35(1/4")x2 | |
| Gas Side | mm(inch) | φ 9.53(3/8")x2 | |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Floor-standing



Floor-standing

220-240V~,380-420V~,50Hz



V Floor-standing

- MFV-18CR | MFV-21CR | MFV-24CR | MFV-28CR
- MFV-18HR | MFV-21HR | MFV-24HR | MFV-28HR

Features:

| | Easy-Cleaned Panel | Anti-Rust Cabinet | Flexible Wiring Connector | Valve Protection Cover | Independent Dehumidification | Low Noise | Self-diagnosis and Auto-protect | Silver Ion | Fresh Air | Golden Fin |
|-------------|--------------------|-------------------|---------------------------|------------------------|------------------------------|-----------|---------------------------------|------------|-----------|------------|
| MFV-18C(H)R | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |
| MFV-21C(H)R | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |
| MFV-24C(H)R | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |
| MFV-28C(H)R | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |

● Standard ○ Optional



S2 Floor-standing

- MFS2-24CR | MFS2-48CR
- MFS2-24HR | MFS2-24AR | MFS2-48AR

Features:

| | Easy-Cleaned Panel | Anti-Rust Cabinet | Flexible Wiring Connector | Valve Protection Cover | Independent Dehumidification | Low Noise | Self-diagnosis and Auto-protect | Silver Ion | Golden Fin |
|--------------|--------------------|-------------------|---------------------------|------------------------|------------------------------|-----------|---------------------------------|------------|------------|
| MFS2-24C(H)R | ● | ● | ● | ● | ● | ● | ● | ○ | ○ |
| MFS2-24AR | ● | ● | ● | ● | ● | ● | ● | ○ | ○ |
| MFS2-48C(A)R | ● | ● | ● | ● | ● | ● | ● | ○ | ○ |

● Standard ○ Optional



J Floor-standing

- MFJ-18CR-QB6 | MFJ-21CR-QB6 | MFJ-24CR-QB6
- MFJ-18HR-QB6 | MFJ-21HR-QB6 | MFJ-24AR-QB6
- MFJ-24CR-RB6 | MFJ-48CR-RB4
- MFJ-24AR-RB6 | MFJ-48AR-RB4

Features:

| | Easy-Cleaned Panel | Anti-Rust Cabinet | Flexible Wiring Connector | Valve Protection Cover | Independent Dehumidification | Low Noise | Self-diagnosis and Auto-protect | Silver Ion | Fresh Air | Golden Fin |
|-----------------|--------------------|-------------------|---------------------------|------------------------|------------------------------|-----------|---------------------------------|------------|-----------|------------|
| MFJ-18C(H)R-QB6 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |
| MFJ-21C(H)R-QB6 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |
| MFJ-24C(A)R-QB6 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |
| MFJ-48C(A)R-RB4 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ○ |

● Standard ○ Optional



E Floor-standing

- MFE-60CE
- MFE-60AE

Features:

| | Easy-Cleaned Panel | Anti-Rust Cabinet | Flexible Wiring Connector | Valve Protection Cover | Independent Dehumidification | Low Noise | Self-diagnosis and Auto-protect | Silver Ion | Golden Fin |
|----------|--------------------|-------------------|---------------------------|------------------------|------------------------------|-----------|---------------------------------|------------|------------|
| MFE-60CE | ● | ● | ● | ● | ● | ● | ● | ○ | ○ |
| MFE-60AE | ● | ● | ● | ● | ● | ● | ● | ○ | ○ |

● Standard ○ Optional

Floor-standing

220-240V~,380-420V~,50Hz

Specification_V Floor-standing

■ Cooling Only ■ Cooling & Heating

| Model | | MFV-18CR | MFV-18HR | MFV-21CR | MFV-21HR | MFV-24CR | MFV-24HR |
|---|-----------------------------|----------------|------------------------|--------------|------------------------|---------------|------------------------|
| Capacity | | | | | | | |
| Cooling/Heating | Btu/h kW | 18000 5.1 | 18000/20000 5.1/5.8 | 21000 6.1 | 21000/23000 6.1/6.7 | 24000 7.2 | 24000/28000 7.2/8.2 |
| Electrical Parts | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← |
| Power Input | Cooling/Heating W | 1620 | 1620/1640 | 1930 | 1930/1920 | 2400 | 2400/2350 |
| Operating Current | Cooling/Heating A | 7.5 | 7.5/7.6 | 8.8 | 8.8/8.8 | 11.1 | 11.1/10.9 |
| Performance | | | | | | | |
| EER | Btu/W.h, W/W | 10.7, 3.15 | ← | 10.8, 3.16 | ← | 10.3, 3.01 | ← |
| COP | W/W | ← | 3.54 | ← | 3.5 | ← | 3.48 |
| Air Flow Volume | Indoor m ³ /h | 880 | ← | 920 | ← | 950 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 41/36 | ← | 43/39 | ← | 44/38 | ← |
| | Outdoor dB(A) | 56 | ← | 57 | ← | 58 | ← |
| Net Dimension & Weight | | | | | | | |
| Indoor unit | WxHxD mm | 500x1750x300 | ← | ← | ← | ← | ← |
| Outdoor unit | WxHxD mm | 845x695x335 | ← | ← | ← | 895x860x330 | ← |
| Net Weight | Indoor/Outdoor kg | 36/52 | 39/53 | 36/53 | 39/54 | 37/59 | 40/59 |
| Packing Dimension & Gross Weight | | | | | | | |
| Indoor unit | WxHxD mm | 620x1870x433 | ← | ← | ← | ← | ← |
| Outdoor unit | WxHxD mm | 970x770x395 | ← | ← | ← | 1045x915x395 | ← |
| Gross Weight | Indoor/Outdoor kg | 49/57 | 52/58 | 49/58 | 52/59 | 50/67 | 53/67 |
| Piping Connection | | | | | | | |
| Liquid Side | mm(inch) | φ 6.35 (1/4") | ← | ← | ← | φ 9.53 (3/8") | ← |
| Gas Side | mm(inch) | φ 12.7 (1/2") | ← | ← | ← | φ 16.0 (5/8") | ← |
| Applicable Area | | | | | | | |
| | m ² | 30-40 | ← | 34-49 | ← | 40-56 | ← |
| Stuffing Quantity | | | | | | | |
| 20'/40'/40'HQ | Set | 32/74/83 | ← | ← | ← | 28/62/68 | ← |

| Model | | MFV-28CR | MFV-28HR | MFV-28CR | MFV-28HR |
|---|-----------------------------|----------------|------------------------|--------------|------------------------|
| Capacity | | | | | |
| Cooling/Heating | Btu/h kW | 28000 8.2 | 28000/30000 8.2/8.8 | 28000 8.2 | 28000/30000 8.2/8.8 |
| Electrical Parts | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | 380, 50, 3 | ← |
| Power Input | Cooling/Heating W | 2940 | 2940/2730 | 2940 | 2940/2730 |
| Operating Current | Cooling/Heating A | 13.5 | 13.5/12.6 | 4.7 | 4.7/4.4 |
| Performance | | | | | |
| EER | Btu/W.h, W/W | 9.51, 2.79 | ← | ← | ← |
| COP | W/W | ← | 3.23 | ← | 3.23 |
| Air Flow Volume | Indoor m ³ /h | 1100 | ← | ← | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 46/40 | ← | ← | ← |
| | Outdoor dB(A) | 58 | ← | ← | ← |
| Net Dimension & Weight | | | | | |
| Indoor unit | WxHxD mm | 500x1750x300 | ← | ← | ← |
| Outdoor unit | WxHxD mm | 895x860x330 | ← | ← | ← |
| Net Weight | Indoor/Outdoor kg | 38/63 | 41/70 | 38/63 | 41/70 |
| Packing Dimension & Gross Weight | | | | | |
| Indoor unit | WxHxD mm | 620x1870x433 | ← | ← | ← |
| Outdoor unit | WxHxD mm | 1045x915x395 | ← | ← | ← |
| Gross Weight | Indoor/Outdoor kg | 51/71 | 53/78 | 51/71 | 53/78 |
| Piping Connection | | | | | |
| Liquid Side | mm(inch) | φ 9.53 (3/8") | ← | ← | ← |
| Gas Side | mm(inch) | φ 16.0 (5/8") | ← | ← | ← |
| Applicable Area | | | | | |
| | m ² | 50-68 | ← | ← | ← |
| Stuffing Quantity | | | | | |
| 20'/40'/40'HQ | Set | 28/62/68 | ← | ← | ← |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Specification_J Floor-standing

■ Cooling Only ■ Cooling & Heating

| Model | | MFJ-18CR-QB6 | MFJ-18HR-QB6 | MFJ-21CR-QB6 | MFJ-21HR-QB6 | MFJ-24CR-QB6 | MFJ-24AR-QB6 |
|---|-----------------------------|----------------|------------------------|---------------|------------------------|--------------|------------------------|
| Capacity | | | | | | | |
| Cooling/Heating | Btu/h kW | 18000 5.1 | 18000/19500 5.1/5.7 | 21000 6.1 | 21000/22500 6.1/6.6 | 24000 7.1 | 24000/27000 7.1/7.9 |
| Electrical Parts | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← |
| Power Input | Cooling/Heating W | 1960 | 1960/1900 | 2350 | 2350/2200 | 2730 | 2730/2630 |
| Operating Current | Cooling/Heating A | 8.5 | 8.5/8.3 | 10.2 | 10.2/9.6 | 11.9 | 11.9/11.4 |
| Performance | | | | | | | |
| EER | Btu/W.h, W/W | 8.9, 2.6 | ← | ← | ← | ← | ← |
| COP | W/W | ← | 3.0 | ← | 3.0 | ← | 3.0 |
| Air Flow Volume | Indoor m ³ /h | 880 | ← | 950 | ← | 1100 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 44/38 | ← | 46/40 | ← | 48/42 | ← |
| | Outdoor dB(A) | 56 | ← | 58 | ← | 60 | ← |
| Net Dimension & Weight | | | | | | | |
| Indoor unit | WxHxD mm | 480x1680x290 | ← | 500x1700x290 | ← | ← | ← |
| Outdoor unit | WxHxD mm | 845x695x335 | ← | 845x695x335 | ← | ← | ← |
| Net Weight | Indoor/Outdoor kg | 33/38 | 33/39 | 38/52 | 39/55 | 38/63 | 38/65 |
| Packing Dimension & Gross Weight | | | | | | | |
| Indoor unit | WxHxD mm | 580x1780x400 | ← | 600x1800x423 | ← | ← | ← |
| Outdoor unit | WxHxD mm | 970x770x395 | ← | 970x770x395 | ← | ← | ← |
| Gross Weight | Indoor/Outdoor kg | 46/41 | 46/42 | 51/57 | 52/60 | 51/71 | 51/73 |
| Piping Connection | | | | | | | |
| Liquid Side | mm(inch) | φ 6.35 (1/4") | ← | φ 9.53 (3/8") | ← | ← | ← |
| Gas Side | mm(inch) | φ 12.7 (1/2") | ← | φ 16.0 (5/8") | ← | ← | ← |
| Applicable Area | | | | | | | |
| | m ² | 24-37 | ← | 29-45 | ← | 34-53 | ← |
| Stuffing Quantity | | | | | | | |
| 20'/40'/40'HQ | Set | 35/74/84 | ← | 35/74/84 | ← | ← | ← |

| Model | | MFJ-24CR-RB6 | MFJ-24AR-RB6 | MFJ-48CR-RB4 | MFJ-48AR-RB4 |
|---|-----------------------------|----------------|------------------------|---------------|--------------------------|
| Capacity | | | | | |
| Cooling/Heating | Btu/h kW | 24000 7.1 | 24000/27000 7.1/7.9 | 48000 14.0 | 48000/49000 14.0/14.4 |
| Electrical Parts | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 380-420, 50, 3 | ← | ← | ← |
| Power Input | Cooling/Heating W | 2730 | 2730/2630 | 5830 | 5830/5760 |
| Operating Current | Cooling/Heating A | 4.5 | 4.5/4.4 | 9.4 | 9.4/9.4 |
| Performance | | | | | |
| EER | Btu/W.h, W/W | 8.9, 2.6 | ← | 8.2, 2.4 | ← |
| COP | W/W | ← | 3.0 | ← | 2.5 |
| Air Flow Volume | Indoor m ³ /h | 1100 | ← | 1800 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 48/42 | ← | 54/48 | ← |
| | Outdoor dB(A) | 60 | ← | 62 | ← |
| Net Dimension & Weight | | | | | |
| Indoor unit | WxHxD mm | 500x1700x290 | ← | 540x1825x425 | ← |
| Outdoor unit | WxHxD mm | 845x695x335 | ← | 990x1250x340 | ← |
| Net Weight | Indoor/Outdoor kg | 38/63 | 38/69 | 56/92 | 56/104 |
| Packing Dimension & Gross Weight | | | | | |
| Indoor unit | WxHxD mm | 600x1800x423 | ← | 660x1945x558 | ← |
| Outdoor unit | WxHxD mm | 970x770x395 | ← | 1020x1377x435 | ← |
| Gross Weight | Indoor/Outdoor kg | 51/71 | 51/77 | 69/100 | 69/112 |
| Piping Connection | | | | | |
| Liquid Side | mm(inch) | φ 9.53 (3/8") | ← | φ 12.7 (1/2") | ← |
| Gas Side | mm(inch) | φ 16.0 (5/8") | ← | φ 19.0 (3/4") | ← |
| Applicable Area | | | | | |
| | m ² | 34-53 | ← | 68-96 | ← |
| Stuffing Quantity | | | | | |
| 20'/40'/40'HQ | Set | 35/74/84 | ← | 22/46/56 | ← |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Floor-standing

220-240V~,380V~,50Hz

Specification_S2 Floor-standing

■ Cooling Only ■ Cooling & Heating

| Model | | MFS2-24CR | MFS2-24CR | MFS2-24HR | MFS2-24AR | MFS2-24AR | MFS2-48CR | MFS2-48AR |
|---|-----------------------------|----------------|------------|------------------------|---------------------------------|---------------------------------|---------------|------------------------------------|
| Capacity | | | | | | | | |
| Cooling/Heating | Btu/h kW | 24000 7.0 | ← | 24000/28000 7.0/8.2 | 24000/28000+7200 7.0/8.2+2.1 | 24000/28000+8500 7.0/8.2+2.5 | 48000 14.1 | 48000/52000+12000 14.1/15.2+3.5 |
| Electrical Parts | | | | | | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 220-240, 50, 1 | 380, 50, 3 | 220-240, 50, 1 | ← | 380, 50, 3 | ← | ← |
| Power Input | Cooling/Heating W | 2650 | ← | 2650/2650 | 2650/2650+2100 | 2650/2650+2500 | 5100 | 5100/5100+3500 |
| Operating Current | Cooling/Heating A | 12.3 | 4.8 | 12.3/12.3 | 12.3/12.3+10.0 | 4.8/4.8+4.4 | 8.6 | 8.6/8.6+5.8 |
| Performance | | | | | | | | |
| EER | Btu/W.h, W/W | 9.1, 2.65 | ← | ← | ← | ← | 9.4, 2.75 | ← |
| COP | W/W | ← | ← | 3.10 | ← | ← | ← | 2.99 |
| Air Flow Volume | Indoor m ³ /h | 1000 | ← | ← | ← | ← | 2000 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 45/42/39 | ← | ← | ← | ← | 48/45/42 | ← |
| | Outdoor dB(A) | 52 | ← | ← | ← | ← | 55 | ← |
| Net Dimension & Weight | | | | | | | | |
| Indoor unit | WxHxD mm | 500x1665x273 | ← | ← | ← | ← | 540x1775x379 | ← |
| Outdoor unit | WxHxD mm | 845x695x335 | ← | ← | ← | ← | 990x960x360 | ← |
| Net Weight | Indoor/Outdoor kg | 46/43 | ← | 46/66 | 46/69 | ← | 56/90 | 57/92 |
| Packing Dimension & Gross Weight | | | | | | | | |
| Indoor unit | WxHxD mm | 585x1805x380 | ← | ← | ← | ← | 665x1915x475 | ← |
| Outdoor unit | WxHxD mm | 965x772x395 | ← | ← | ← | ← | 1120x1090x435 | ← |
| Gross Weight | Indoor/Outdoor kg | 57/67 | ← | 57/70 | 57/74 | ← | 71/105 | 72/107 |
| Piping Connection | | | | | | | | |
| Liquid Side | mm(inch) | φ 9.53 (3/8") | ← | ← | ← | ← | φ 12.7 (1/2") | ← |
| Gas Side | mm(inch) | φ 16.0 (5/8") | ← | ← | ← | ← | φ 19.0 (3/4") | ← |
| Applicable Area | | | | | | | | |
| | m ² | 40-56 | ← | ← | ← | ← | 80-120 | ← |
| Stuffing Quantity | | | | | | | | |
| 20'/40'/40'HQ | Set | 43/87/97 | ← | ← | ← | ← | 25/48/50 | ← |

Specification_E Floor-standing

| Model | | MFE-60CE | MFE-60AE |
|---|-----------------------------|---------------|------------------------------------|
| Capacity | | | |
| Cooling/Heating | Btu/h kW | 60000 17.6 | 60000/60500+14500 17.6/17.7+4.2 |
| Electrical Parts | | | |
| Voltage, Frequency, Phase | V-, Hz, Ph | 380, 50, 3 | ← |
| Power Input | Cooling/Heating W | 6300 | 6300/6300+4200 |
| Operating Current | Cooling/Heating A | 11.0 | 11.0/11.0+7.3 |
| Performance | | | |
| EER | Btu/W.h, W/W | 9.4, 2.75 | ← |
| COP | W/W | ← | 2.81 |
| Air Flow Volume | Indoor m ³ /h | 2200 | ← |
| Noise Level | Indoor (Hi/Med/Lo) dB(A) | 53/50/47 | ← |
| | Outdoor dB(A) | 63 | ← |
| Net Dimension & Weight | | | |
| Indoor unit | WxHxD mm | 600x1900x358 | ← |
| Outdoor unit | WxHxD mm | 940x1245x360 | ← |
| Net Weight | Indoor/Outdoor kg | 65/114 | 65/116 |
| Packing Dimension & Gross Weight | | | |
| Indoor unit | WxHxD mm | 685x1985x450 | ← |
| Outdoor unit | WxHxD mm | 1020x1370x435 | ← |
| Gross Weight | Indoor/Outdoor kg | 75/129 | 75/131 |
| Piping Connection | | | |
| Liquid Side | mm(inch) | φ 12.7 (1/2") | ← |
| Gas Side | mm(inch) | φ 19.0 (3/4") | ← |
| Applicable Area | | | |
| | m ² | 100-130 | ← |
| Stuffing Quantity | | | |
| 20'/40'/40'HQ | Set | 21/45/50 | ← |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Window Portable Dehumidifier



F Window

220-240V~,50Hz

■ Cooling Only ■ Cooling & Heating



- MWF-05CM
- MWF-07CM
- MWF-09CM
- MWF-12CM
- MWF-16CM
- MWF-18CM
- MWF-21CM
- MWF-24CM
- MWF-28CM
- MWF-07CR
- MWF-09CR
- MWF-12CR
- MWF-16CR
- MWF-18CR
- MWF-21CR
- MWF-24CR
- MWF-28CR



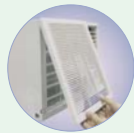
- MWF-07HM
- MWF-09HM
- MWF-12HM
- MWF-16HM
- MWF-18HM
- MWF-21HM
- MWF-24HM
- MWF-07HR
- MWF-09HR
- MWF-12HR
- MWF-16HR
- MWF-18HR
- MWF-21HR
- MWF-24HR



Features:



Unique Quiet Design



Easy Removed Panel



Fresh Air Switch



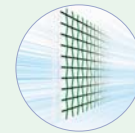
Sliding Chassis



Two Drainage Methods



Slinger-Up System



Bio Filter (Optional)

| Model | | ■ MWF-05CM | ■ MWF-07CM | ■ MWF-09CM | ■ MWF-12CM | ■ MWF-16CM | ■ MWF-18CM | ■ MWF-21CM | ■ MWF-24CM | ■ MWF-28CM |
|---|-----------------------------|----------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Capacity | | | | | | | | | | |
| Cooling | Btu/h kW | 5000 1.5 | 7000 2.1 | 9000 2.6 | 12000 3.5 | 16000 4.7 | 18000 5.3 | 21000 6.2 | 24000 7.0 | 28000 8.2 |
| Electrical Data | | | | | | | | | | |
| Power Supply | V-,Hz,Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← | ← | ← | ← |
| Power Input | Cooling W | 500 | 690 | 940 | 1240 | 1640 | 1880 | 2350 | 2900 | 3400 |
| Operating Current | Cooling A | 2.2 | 3.2 | 4.2 | 5.6 | 7.5 | 8.7 | 10.8 | 13.5 | 15.3 |
| Performance | | | | | | | | | | |
| EER | Btu/W.h W/W | 10 | 10.1 | 9.5 | 9.6 | 9.7 | 9.6 | 9 | 8.3 | 8.2 |
| Air Flow Volume | Indoor m ³ /h | 293 | 350 | 400 | 530 | 700 | 730 | 750 | 820 | 950 |
| Noise Level | Indoor(Hi/Med/Lo) dB(A) | 43 | 46 | 47 | 51 | 54 | ← | 56 | 59 | 61 |
| Net Dimension & Weight | | | | | | | | | | |
| Net Dimension | WxHxD mm | 445x320x400 | 450x346x535 | ← | 600x380x560 | 660x430x687 | ← | ← | 660x430x770 | ← |
| Net Weight | kg | 26 | 31.5 | 35 | 43 | 53.5 | ← | 58 | 68 | 80 |
| Packing Dimension & Gross Weight | | | | | | | | | | |
| Packing Dimension | WxHxD mm | 500x380x455 | 495x435x580 | ← | 685x430x620 | 746x515x815 | ← | ← | 770x495x915 | ← |
| Gross Weight | kg | 28 | 35 | 39 | 47 | 58 | ← | 63 | 77 | 88 |
| Applicable Area | | | | | | | | | | |
| | m ² | 8-12 | 11-16 | 14-20 | 18-26 | 23-30 | 30-40 | 35-50 | 40-56 | 50-68 |
| Stuffing Quantity | | | | | | | | | | |
| 20'/40HQ | Set | 330/840 | 220/572 | ← | 132/342 | 84/220 | ← | ← | 72/192 | ← |

| Model | | ■ MWF-07HM | ■ MWF-09HM | ■ MWF-12HM | ■ MWF-16HM | ■ MWF-18HM | ■ MWF-21HM | ■ MWF-24HM |
|---|-----------------------------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Capacity | | | | | | | | |
| Cooling | Btu/h kW | 7000/7000 2.1/2.1 | 9000/9000 2.6/2.6 | 12000/12000 3.5/3.5 | 16000/16000 4.7/4.7 | 18000/18000 5.3/5.3 | 21000/21000 6.2/6.2 | 24000/24000 7.0/7.0 |
| Electrical Data | | | | | | | | |
| Power Supply | V-,Hz,Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← | ← |
| Power Input | Cooling W | 750/680 | 940/860 | 1240/1170 | 1640/1540 | 1880/1740 | 2350/2200 | 2900/2800 |
| Operating Current | Cooling A | 3.2/2.9 | 4.2/3.9 | 5.6/5.3 | 7.5/7.0 | 8.5/7.9 | 10.8/10.1 | 13.5/12.9 |
| Performance | | | | | | | | |
| EER | Btu/W.h W/W | 9.3, 2.72 | 9.5, 2.78 | 9.6, 2.82 | 9.7, 2.86 | 9.6, 2.81 | 9.0, 2.64 | 8.3, 2.43 |
| COP | W/W | 3.02 | ← | 2.98 | 3.06 | 3.05 | 2.82 | 2.53 |
| Air Flow Volume | Indoor m ³ /h | 350 | 400 | 530 | 700 | 730 | 750 | 920 |
| Noise Level | Indoor(Hi/Med/Lo) dB(A) | 46 | 47 | 51 | 54 | 55 | 56 | 59 |
| Net Dimension & Weight | | | | | | | | |
| Net Dimension | WxHxD mm | 450x346x535 | ← | 600x380x560 | 660x430x687 | ← | ← | 660x430x770 |
| Net Weight | kg | 31.5 | 35 | 43 | 53.5 | 54 | 58 | 68 |
| Packing Dimension & Gross Weight | | | | | | | | |
| Packing Dimension | WxHxD mm | 495x435x580 | ← | 685x430x620 | 746x515x815 | ← | ← | 770x495x915 |
| Gross Weight | kg | 35 | 39 | 47 | 58 | 59 | 63 | 77 |
| Applicable Area | | | | | | | | |
| | m ² | 11-16 | 14-20 | 18-26 | 23-30 | 30-40 | 35-50 | 40-56 |
| Stuffing Quantity | | | | | | | | |
| 20'/40HQ | Set | 220/572 | ← | 132/342 | 84/220 | ← | ← | 72/192 |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

M1 Portable

K1 Portable



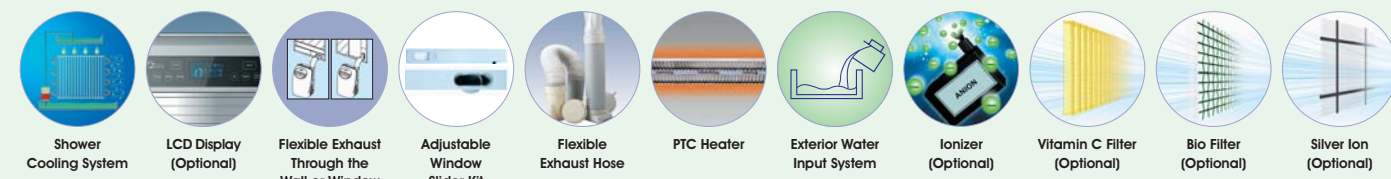
Electronic Control

- MPM1-09CE-QB6 ■ MPM1-09EE-QB6
- MPM1-10CE-QB6 ■ MPM1-10EE-QB6
- MPM1-12CE-QB4 ■ MPM1-12EE-QB4
- MPM1-14CE-QB4 ■ MPM1-14EE-QB4

Remote Control

- MPM1-09CR-QB6 ■ MPM1-09ER-QB6
- MPM1-10CR-QB6 ■ MPM1-10ER-QB6
- MPM1-12CR-QB4 ■ MPM1-12ER-QB4
- MPM1-14CR-QB4 ■ MPM1-14ER-QB4

Features:



■ Cooling Only ■ Cooling & Electric Heater

| Model | ■ MPM1-09CE-QB6 | | ■ MPM1-09EE-QB6 | | ■ MPM1-10CE-QB6 | | ■ MPM1-10EE-QB6 | | ■ MPM1-12CE-QB4 | | ■ MPM1-12EE-QB4 | | ■ MPM1-14CE-QB4 | | ■ MPM1-14EE-QB4 | |
|---|-------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | ■ MPM1-09CR-QB6 | ■ MPM1-09ER-QB6 | ■ MPM1-10CR-QB6 | ■ MPM1-10ER-QB6 | ■ MPM1-12CR-QB4 | ■ MPM1-12ER-QB4 | ■ MPM1-14CR-QB4 | ■ MPM1-14ER-QB4 | ■ MPM1-12CR-QB4 | ■ MPM1-12ER-QB4 | ■ MPM1-14CR-QB4 | ■ MPM1-14ER-QB4 | ■ MPM1-12CR-QB4 | ■ MPM1-12ER-QB4 | ■ MPM1-14CR-QB4 | ■ MPM1-14ER-QB4 |
| Capacity | | | | | | | | | | | | | | | | |
| Cooling/Heater | Btu/h | 9000 | 9000/6100 | 10000 | 10000/6100 | 12000 | 12000/6100 | 14000 | 14000/6100 | | | | | | | |
| | kW | 2.6 | 2.6/1.8 | 2.9 | 2.9/1.8 | 3.5 | 3.5/1.8 | 4.1 | 4.1/1.8 | | | | | | | |
| Electrical Data | | | | | | | | | | | | | | | | |
| Power Supply | V-,Hz,Ph | 220-240, 50, 1 | | | | | | | | | | | | | | |
| Power Input | Cooling/Heater | W | 980 | 980/1800 | 1120 | 1120/1800 | 1420 | 1420/1800 | 1690 | 1690/1800 | | | | | | |
| Operating Current | Cooling/Heater | A | 4.4 | 4.4/8.2 | 5.1 | 5.1/8.2 | 6.5 | 6.5/8.2 | 7.7 | 7.7/8.2 | | | | | | |
| Performance | | | | | | | | | | | | | | | | |
| EER | Btu/W.h,W/W | 9.0, 2.64 | ← | 8.9, 2.61 | ← | 8.4, 2.46 | ← | 8.3, 2.42 | ← | | | | | | | |
| Moisture Removal | L/h | 1.7 | ← | 1.8 | ← | 1.9 | ← | 2.0 | ← | | | | | | | |
| Air Flow Volume | Indoor | m ³ /h | 460 | ← | 480 | ← | 500 | ← | 520 | ← | | | | | | |
| Noise Level | Indoor(Hi/Med/Lo) | dB(A) | 50/48/46 | ← | 51/49/46 | ← | 53/51/48 | ← | 54/52/49 | ← | | | | | | |
| Net Dimension & Net Weight | | | | | | | | | | | | | | | | |
| Net Dimension | WxHxD | mm | 480x840x365 | ← | ← | ← | ← | ← | ← | | | | | | | |
| Net Weight | | kg | 34 | ← | 34.5 | ← | 38 | ← | 38 | ← | | | | | | |
| Packing Dimension & Gross Weight | | | | | | | | | | | | | | | | |
| Packing Dimension | WxHxD | mm | 670x890x435 | ← | ← | ← | ← | ← | ← | | | | | | | |
| Gross Weight | | kg | 42 | ← | 43 | ← | 45 | ← | 46 | ← | | | | | | |
| Applicable Area | | | | | | | | | | | | | | | | |
| | m ² | | 14-21 | ← | 16-24 | ← | 18-26 | ← | 20-28 | ← | | | | | | |
| Stuffing Quantity | | | | | | | | | | | | | | | | |
| 20'/40'HQ | Set | | 88/270 | ← | ← | ← | ← | ← | ← | | | | | | | |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.



Electronic Control

- MPK1-09CE-QB4 ■ MPK1-09EE-QB4
- MPK1-10CE-QB4 ■ MPK1-10EE-QB4
- MPK1-12CE-QB4 ■ MPK1-12EE-QB4
- MPK1-14CE-QB4 ■ MPK1-14EE-QB4

Remote Control

- MPK1-09CR-QB4 ■ MPK1-09ER-QB4
- MPK1-10CR-QB4 ■ MPK1-10ER-QB4
- MPK1-12CR-QB4 ■ MPK1-12ER-QB4
- MPK1-14CR-QB4 ■ MPK1-14ER-QB4

Features:



■ Cooling Only ■ Cooling & Electric Heater

| Model | ■ MPK1-09CE-QB4 | | ■ MPK1-09EE-QB4 | | ■ MPK1-10CE-QB4 | | ■ MPK1-10EE-QB4 | | ■ MPK1-12CE-QB4 | | ■ MPK1-12EE-QB4 | | ■ MPK1-14CE-QB4 | | ■ MPK1-14EE-QB4 | |
|---|-------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | ■ MPK1-09CR-QB4 | ■ MPK1-09ER-QB4 | ■ MPK1-10CR-QB4 | ■ MPK1-10ER-QB4 | ■ MPK1-12CR-QB4 | ■ MPK1-12ER-QB4 | ■ MPK1-14CR-QB4 | ■ MPK1-14ER-QB4 | ■ MPK1-12CR-QB4 | ■ MPK1-12ER-QB4 | ■ MPK1-14CR-QB4 | ■ MPK1-14ER-QB4 | ■ MPK1-12CR-QB4 | ■ MPK1-12ER-QB4 | ■ MPK1-14CR-QB4 | ■ MPK1-14ER-QB4 |
| Capacity | | | | | | | | | | | | | | | | |
| Cooling/Heater | Btu/h | 9000 | 9000/6100 | 10000 | 10000/6100 | 12000 | 12000/6100 | 14000 | 14000/6100 | | | | | | | |
| | kW | 2.6 | 2.6/1.8 | 2.9 | 2.9/1.8 | 3.5 | 3.5/1.8 | 4.1 | 4.1/1.8 | | | | | | | |
| Electrical Data | | | | | | | | | | | | | | | | |
| Power Supply | V-,Hz,Ph | 220-240, 50, 1 | | | | | | | | | | | | | | |
| Power Input | Cooling/Heater | W | 1080 | 1080/1800 | 1190 | 1190/1800 | 1430 | 1430/1800 | 1680 | 1680/1800 | | | | | | |
| Operating Current | Cooling/Heater | A | 4.9 | 4.9/8.2 | 5.4 | 5.4/8.2 | 6.5 | 6.5/8.2 | 7.7 | 7.7/8.2 | | | | | | |
| Performance | | | | | | | | | | | | | | | | |
| EER | Btu/W.h,W/W | 8.9, 2.41 | ← | 8.3, 2.44 | ← | 8.4, 2.45 | ← | 8.3, 2.43 | ← | | | | | | | |
| Moisture Removal | L/h | 1.6 | ← | 1.7 | ← | 1.8 | ← | 1.9 | ← | | | | | | | |
| Water Tank Volume | L | 3.5 | ← | ← | ← | ← | ← | ← | ← | | | | | | | |
| Air Flow Volume | Indoor | m ³ /h | 460 | ← | 480 | ← | 500 | ← | 520 | ← | | | | | | |
| Noise Level | Indoor(Hi/Med/Lo) | dB(A) | 52/50/47 | ← | ← | ← | 53/51/48 | ← | ← | | | | | | | |
| Net Dimension & Net Weight | | | | | | | | | | | | | | | | |
| Net Dimension | WxHxD | mm | 460x840x325 | ← | ← | ← | 460x840x372 | ← | ← | | | | | | | |
| Net Weight | | kg | 33 | ← | ← | ← | 38 | ← | ← | | | | | | | |
| Packing Dimension & Gross Weight | | | | | | | | | | | | | | | | |
| Packing Dimension | WxHxD | mm | 695x870x412 | ← | ← | ← | 695x870x474 | ← | ← | | | | | | | |
| Gross Weight | | kg | 41 | ← | ← | 46 | ← | ← | ← | | | | | | | |
| Applicable Area | | | | | | | | | | | | | | | | |
| | m ² | | 14-21 | ← | 16-24 | ← | 18-26 | ← | 20-28 | ← | | | | | | |
| Stuffing Quantity | | | | | | | | | | | | | | | | |
| 20'/40'HQ | Set | | 90/290 | ← | ← | ← | 80/250 | ← | ← | | | | | | | |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

K Portable

220-240V~,50Hz

220-240V~,50Hz

F Portable



Electronic Control

- MPK-09CE MPK-09EE
- MPK-10CE MPK-10EE
- MPK-12CE-QB4 MPK-12EE-QB4
- MPK-14CE-QB4 MPK-14EE-QB4

Remote Control

- MPK-09CR MPK-09ER
- MPK-10CR MPK-10ER
- MPK-12CR-QB4 MPK-12ER-QB4
- MPK-14CR-QB4 MPK-14ER-QB4

R407C



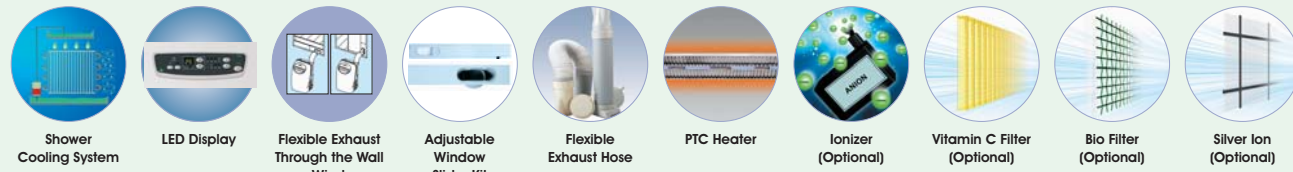
Electronic Control

- MPF-09CEN2 MPF-09EEN2
- MPF-10CEN2 MPF-10EEN2
- MPF-12CEN2 MPF-12EEN2
- MPF-14CEN2 MPF-14EEN2

Remote Control

- MPF-09CRN2 MPF-09ERN2
- MPF-10CRN2 MPF-10ERN2
- MPF-12CRN2 MPF-12ERN2
- MPF-14CRN2 MPF-14ERN2

Features:



Features:



■ Cooling Only ■ Cooling & Electric Heater

■ Cooling Only ■ Cooling & Electric Heater

| Model | MPK-09CE MPK-09CR | MPK-09EE MPK-09ER | MPK-10CE MPK-10CR | MPK-10EE MPK-10ER | MPK-12CE-QB4 MPK-12CR-QB4 | MPK-12EE-QB4 MPK-12ER-QB4 | MPK-14CE-QB4 MPK-14CR-QB4 | MPK-14EE-QB4 MPK-14ER-QB4 | |
|---|-----------------------------|----------------------|----------------------|----------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------|
| Capacity | | | | | | | | | |
| Cooling/Heater | Btu/h kW | 9000 2.6 | 9000/6100 2.6/1.8 | 10000 2.9 | 10000/6100 2.9/1.8 | 12000 3.5 | 12000/6100 3.5/1.8 | 14000 4.1 | 14000/6100 4.1/1.8 |
| Electrical Data | | | | | | | | | |
| Power Supply | V-,Hz,Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← | ← | |
| Power Input | Cooling/Heater W | 1080 | 1080/1800 | 1190 | 1190/1800 | 1430 | 1430/1800 | 1680 | 1680/1800 |
| Operating Current | Cooling/Heater A | 4.9 | 4.9/8.2 | 5.4 | 5.4/8.2 | 6.5 | 6.5/8.2 | 7.7 | 7.7/8.2 |
| Performance | | | | | | | | | |
| EER | Btu/W.h,W/W | 8.9, 2.41 | ← | 8.3, 2.44 | ← | 8.4, 2.45 | ← | 8.3, 2.43 | ← |
| Moisture Removal | L/h | 1.6 | ← | 1.7 | ← | 1.8 | ← | 1.9 | ← |
| Water Tank Volume | L | 3.5 | ← | ← | ← | ← | ← | ← | ← |
| Air Flow Volume | Indoor m ³ /h | 420 | ← | 440 | ← | 480 | ← | 500 | ← |
| Noise Level | Indoor(Hi/Med/Lo) dB(A) | 52/50/47 | ← | ← | ← | 53/51/48 | ← | ← | ← |
| Net Dimension & Net Weight | | | | | | | | | |
| Net Dimension | WxHxD | 460x840x325 | ← | ← | ← | 460x840x372 | ← | ← | ← |
| Net Weight | kg | 33 | ← | ← | ← | 38 | ← | ← | ← |
| Packing Dimension & Gross Weight | | | | | | | | | |
| Packing Dimension | WxHxD | 695x870x412 | ← | ← | ← | 695x870x474 | ← | ← | ← |
| Gross Weight | kg | 41 | ← | ← | ← | 46 | ← | ← | ← |
| Applicable Area | | | | | | | | | |
| Applicable Area | m ² | 14-21 | ← | 16-24 | ← | 18-26 | ← | 20-28 | ← |
| Stuffing Quantity | | | | | | | | | |
| 20'/40'HQ | Set | 90/290 | ← | ← | ← | 80/250 | ← | ← | ← |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

| Model | MPF-09CEN2 MPF-09CRN2 | MPF-09EEN2 MPF-09ERN2 | MPF-10CEN2 MPF-10CRN2 | MPF-10EEN2 MPF-10ERN2 | MPF-12CEN2 MPF-12CRN2 | MPF-12EEN2 MPF-12ERN2 | MPF-14CEN2 MPF-14CRN2 | MPF-14EEN2 MPF-14ERN2 | |
|---|-----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|
| Capacity | | | | | | | | | |
| Cooling/Heater | Btu/h kW | 9000 2.6 | 9000/6100 2.6/1.8 | 10000 2.9 | 10000/6100 2.9/1.8 | 12000 3.5 | 12000/6100 3.5/1.8 | 14000 4.1 | 14000/6100 4.1/1.8 |
| Electrical Data | | | | | | | | | |
| Power Supply | V-,Hz,Ph | 220-240, 50, 1 | ← | ← | ← | ← | ← | ← | |
| Power Input | Cooling/Heater W | 1080 | 1080/1800 | 1100 | 1100/1800 | 1300 | 1330/1800 | 1550 | 1550/1800 |
| Operating Current | Cooling/Heater A | 4.9 | 4.9/8.2 | 4.9 | 4.9/8.2 | 6.0 | 6.0/8.2 | 7.0 | 7.0/8.2 |
| Performance | | | | | | | | | |
| EER | Btu/W.h,W/W | 8.9, 2.41 | ← | 9.1, 2.66 | ← | 9.0, 2.63 | ← | ← | ← |
| Moisture Removal | L/h | 1.6 | ← | 1.7 | ← | 1.8 | ← | 1.9 | ← |
| Water Tank Volume | L | 3 | ← | ← | ← | ← | ← | ← | ← |
| Air Flow Volume | Indoor m ³ /h | 420 | ← | 440 | ← | 480 | ← | 500 | ← |
| Noise Level | Indoor(Hi/Med/Lo) dB(A) | 51/49/46 | ← | ← | ← | 53/51/48 | ← | ← | ← |
| Net Dimension & Net Weight | | | | | | | | | |
| Net Dimension | WxHxD | 480x840x400 | ← | ← | ← | ← | ← | ← | ← |
| Net Weight | kg | 34 | ← | 35 | ← | 36.5 | ← | 37 | ← |
| Packing Dimension & Gross Weight | | | | | | | | | |
| Packing Dimension | WxHxD | 655x875x445 | ← | ← | ← | ← | ← | ← | ← |
| Gross Weight | kg | 42 | ← | 43 | ← | 44 | ← | 45 | ← |
| Applicable Area | | | | | | | | | |
| Applicable Area | m ² | 14-21 | ← | 16-24 | ← | 18-26 | ← | 20-28 | ← |
| Stuffing Quantity | | | | | | | | | |
| 20'/40'HQ | Set | 80/263 | ← | ← | ← | ← | ← | ← | ← |

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2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Mini Portable

220-240V~,50Hz

220-240V~,50Hz

F Dehumidifier

R134a

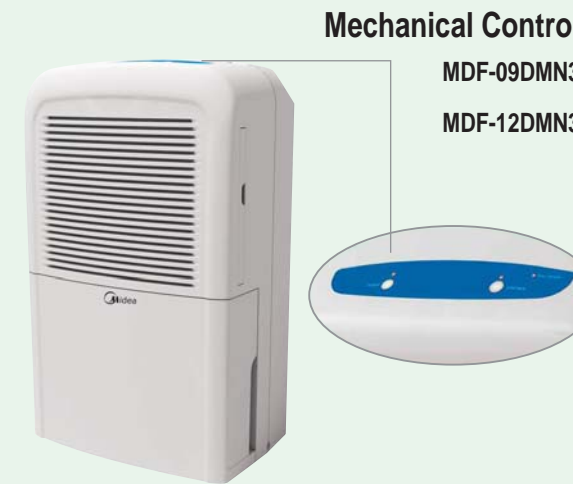


Electronic Control

MPM-07CE-QB6

Remote Control

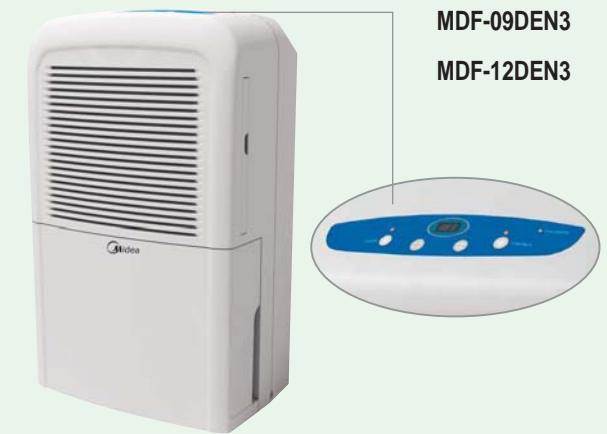
MPM-07CR-QB6



Mechanical Control

MDF-09DMN3

MDF-12DMN3



Electronic Control

MDF-09DEN3

MDF-12DEN3

Features:



Cooling Only

| Model | | MPM-07CE-QB6 | MPM-07CR-QB6 |
|-----------------------------------|-----------------------------|----------------|--------------|
| Capacity | | | |
| Cooling/Heater | Btu/h kW | 7000 2.1 | |
| Electrical Data | | | |
| Power Supply | V-,Hz,Ph | 220-240, 50, 1 | |
| Power Input | Cooling/Heater W | 800 | |
| Operating Current | Cooling/Heater A | 3.5 | |
| Performance | | | |
| EER | Btu/W.h | 9.1 | |
| Energy Rate | W/W | 2.67 | |
| Moisture Removal | L/h | 0.9 | |
| Water Tank Volume | L | 3 | |
| Air Flow Volume | Indoor m ³ /h | 280 | |
| Noise Level | Indoor(Hi/Med/Lo) dB(A) | 51/48/45 | |
| Net Dimension & Weight | | | |
| Net Dimension | WxHxD mm | 450x737x340 | |
| Packing Dimension | WxHxD mm | 675x790x395 | |
| Net/Gross Weight | kg | 28/34 | |
| Applicable Area | | | |
| | m ² | 10-14 | |
| Stuffing Quantity | | | |
| 20'/40'HQ | Set | 142/299 | |

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2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Features:



| Model | MDF-09DMN3 | MDF-09DEN3 | MDF-12DMN3 | MDF-12DEN3 |
|-------------------|---------------------|----------------|------------|------------|
| Moisture Removal | 30°C,RH80% L/day | 9 | ← | 12 |
| Power Supply | V-,Hz,Ph | 220-240, 50, 1 | ← | ← |
| Power Input | 30°C,RH80% W | 210 | ← | 240 |
| Operating Current | 30°C,RH80% A | 1.1 | ← | 1.2 |
| Air Flow Volume | m ³ /h | 100 | ← | 120 |
| Water Tank Volume | L | 2.7 | ← | ← |
| Noise Level | dB(A) | 40 | ← | 41 |
| Net Dimension | WxHxD mm | 315x505x235 | ← | ← |
| Packing Dimension | WxHxD mm | 380x610x315 | ← | ← |
| Net/Gross Weight | Kg | 13/16 | ← | ← |
| Applicable Area | m ² | 9-15 | ← | 12-20 |
| Stuffing Quantity | 20'/40'HQ Set | 440/905 | ← | ← |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.

Dehumidifier

220-240V~,50Hz

R134a



Free Joint Multi

Features:



| Model | MDB-14DMN3 | MDB-14DEN3 | MDB-20DMN3 | MDB-20DEN3 |
|-------------------------------|---------------------------|------------|------------|------------|
| Moisture Removal 30°C, RH80% | L/day 14 | ← | 20 | ← |
| Power Supply | V-, Hz, Ph 220-240, 50, 1 | ← | ← | ← |
| Power Input 30°C, RH80% | W 300 | ← | 400 | ← |
| Operating Current 30°C, RH80% | A 1.8 | ← | 2.0 | ← |
| Air Flow Volume | m³/h 130 | ← | 150 | ← |
| Water Tank Volume | L 4 | ← | ← | ← |
| Noise Level | dB(A) 43 | ← | 44 | ← |
| Net Dimension | WxHxD mm 320x620x280 | ← | ← | ← |
| Packing Dimension | WxHxD mm 385x660x350 | ← | ← | ← |
| Net/Gross Weight | Kg 20/22 | ← | ← | ← |
| Applicable Area | m² 12-24 | ← | 18-30 | ← |
| Stuffing Quantity | 20'/40'HQ Set 288/808 | ← | ← | ← |

Remarks: 1.The above design and specifications are subject to change without prior notice for product improvement.
2.The values given in the table for the noise level reflect the levels in anechoic chamber.



Multi Star

220-240V~,50Hz

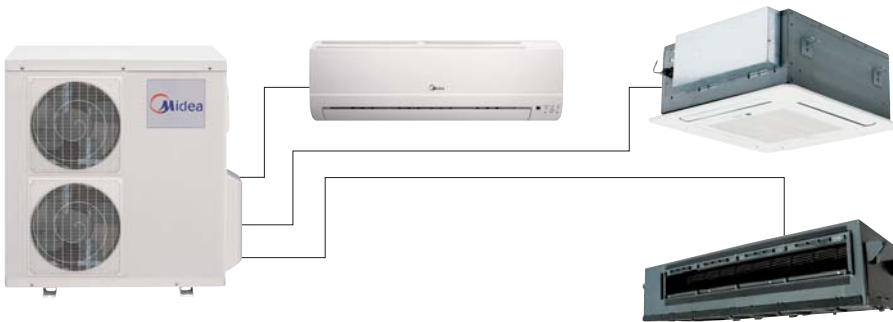
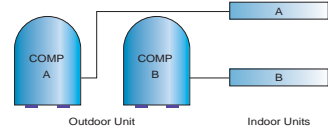


M20A-18HR

M20A-21HR

2-Compressor Dual Split Type

Two constant-speed compressors independently drive two indoor units.

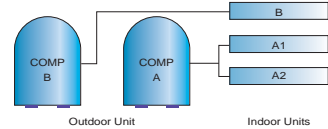


M30A-27HR

M30A-30HR

2-Compressor Triple Split Type

One constant-speed compressor drives one indoor unit, while another constant-speed compressor drives two indoor units.



■ Cooling & Heating

Indoor unit

| Model | | | MSGI-09HR | MSGI-12HR | MST2I-09HR | MST2I-12HR | MSQ4I-09HR | MSQ4I-12HR |
|----------------------|-------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Capacity | | | | | | | | |
| Cooling/Heating | | Btu/h | 9000/10000 | 12000/13000 | 9000/11000 | 12000/15000 | 9000/11000 | 12000/15000 |
| Performance | | | | | | | | |
| Dimension (WxHxD) | Body | mm | 750x250x188 | 815x280x195 | 955x210x385 | ← | 580x254x580 | ← |
| | Panel | mm | | | | | 650x30x650 | ← |
| Packing (WxHxD) | Body | mm | 830x336x280 | 915x360x275 | 1114x277x469 | ← | 750x340x750 | ← |
| | Panel | mm | | | | | 715x115x715 | ← |
| Net/Gross Weight | Body | kg | 8.5/10.5 | 10.5/13.5 | 15/19 | ← | 21/30 | ← |
| | Panel | kg | | | | | 3/5 | ← |
| Air flow volume | | m ³ /h | 520 | 560 | 550 | 580 | 600 | 680 |
| Indoor noise level | | dB(A) | 30 | 31 | 34 | 35 | ← | ← |
| Liquid side/Gas side | | mm | φ 6.35/φ 9.53 | φ 6.35/φ 12.7 | φ 6.35/φ 9.53 | φ 6.35/φ 12.7 | φ 6.35/φ 9.53 | φ 6.35/φ 12.7 |

Outdoor unit

| Model | | | M20A-18HR | M20A-21HR | M30A-27HR | M30A-30HR |
|---------------------------|-----------------|-------------------|-------------------------------|---|-------------------------------|---|
| Capacity | | | | | | |
| Cooling/Heating | | Btu/h kW | 9000x2/10000x2 2.6x2/2.9x2 | 9000+12000/10000+13000 2.6+3.5/2.9+3.8 | 9000x3/10000x3 2.6x3/2.9x3 | 9000x2+12000/10000x2+13000 2.6x2+3.5/2.9x2+3.8 |
| Electrical Data | | | | | | |
| Voltage, Frequency, Phase | | V-, Hz, Ph | 220-240, 50, 1 | ← | ← | ← |
| Power Input | Cooling/Heating | W | 920x2/900x2 | 920+1220/900+1150 | 1750+1000/1700+1000 | 1850+1200/1800+1150 |
| Operating Current | Cooling/Heating | A | 4.5x2/4.5x2 | 5.0+6.0/5.0+6.0 | 8.6+5.4/8.4+5.4 | 9.0+6.2/8.9+5.9 |
| Performance | | | | | | |
| EER | | Btu/W.h, W/W | 9.78, 2.83 | 9.81, 2.85 | 9.82, 2.84 | 9.84, 2.85 |
| COP | | W/W | 3.22 | 3.27 | 3.22 | 3.25 |
| Dimension (WxHxD) | | mm | 895x655x345 | ← | 860x830x330 | ← |
| Packing (WxHxD) | | mm | 1050x720x470 | ← | 983x915x425 | ← |
| Net/Gross Weight | | kg | 73/77 | 79/83 | 90/94 | ← |
| Outdoor air flow | | m ³ /h | 2000 | ← | 2900 | ← |
| Outdoor noise level | | dB(A) | 55 | ← | 58 | ← |

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