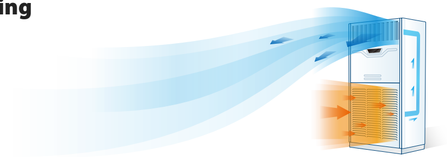
Indoor Unit – Floor Standing

Large capacity, powerful air supply

The floor standing unit has large capacity, large air flow and long distance air supply. The wide air outlet design making the room air circulation quickly and reaching the set temperature in a short time, easily meets the needs of large space.



Matchable Table

One drive one system

MOUB-96HD1N1-R

Medium static pressure duct: MTA-96HWAN1

MOUB-96HD1N1-R

High static pressure duct: MHA-96HWAN1

MOUB-96HD1N1-R

Floor standing unit: MFA-96HWAN1-R

One drive two system

MOUB-96HD1N1-R

Four-way cassette: MQ4A-48HWAN1 + MQ4A-48HWAN1

Specifications – Indoor Units

Indoor unit model			MTA-96HWAN1	MHA-96HWAN1	MFA-96HWAN1-R	MQ4A-48HWAN1 MQ4A-48HWAN1
Outdoor unit model			MOUB-96HD1N1-R	MOUB-96HD1N1-R	MOUB-96HD1N1-R	MOUB-96HD1N1-R
Indoor unit power supply		V/N/Hz	220/1/50	220/1/50	220/1/50	220/1/50
Cooling	Capacity	kW	26.0	26.0	28.0	26
	Power input	kW	12.21	11.71	11.34	11.71
	EER	W / W	2.13	2.22	2.47	2.22
	SEEER	W / W	3.30	3.20	3.40	3.00
Heating	Capacity	kW	30.0	30.0	30.0	27.5
	Power input	kW	10.00	10.20	10.00	10.42
	COP	W / W	3.00	2.94	3.00	2.64
Airflow		m^3/h	4400 (100Pa)	4600 (150Pa)	4500	1800x2
Sound pressure level		dB(A)	55	55	60	41/39/37 (single unit)
Net dimensions (W×H×D)		mm	1366×450×704	1366×450×704	1200×1860×420	840×300×840 (single unit without panel)
Net weight		kg	95	101	140	29.2 (single unit without panel)

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

Specifications – Universal Outdoor Unit

Model name			MOUB-96HD1N1-R
Power supply		V/N/Hz	380-415/3/50
Cooling capacity		kW	28.0
Heating capacity		kW	30.0
Refrigerant	Type		R410A
	Factory charge	kg	6
Sound pressure level		dB(A)	60
Net weight		kg	136
Net dimensions (W×H×D)		mm	1120×1558×400
Gas pipe		mm	Φ22.2
Liquid pipe		mm	Φ9.53

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

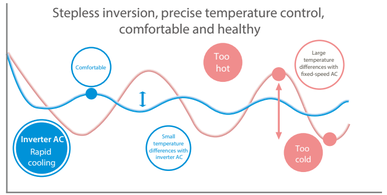
DC Inverter Multi Series Air Conditioner

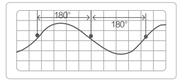
Enhanced Comfort and Reliable

Outdoor Unit

DC inverter technology, precise temperature control

The DC inverter compressor system reaches full load rapidly providing less temperature fluctuation and improved living environment.





DC inverter technology

New generation 180° sine wave drive technology, higher energy efficiency

Compressor seamless inverter main board

Wider inverter range control

High-precision EXVs

Each EXV part achieves 480 pulse rate to precisely adjust refrigerant flow

High-precision temperature sensor

It can react to temperature fluctuations with a precision of 0.5ºC.

Refrigerant cooling PCB

The outdoor unit uses refrigerant cooling technology to cool the electric control box guaranteeing the stable and safe running of the control system.
It improves the high temperature cooling capabilities, resulting in a system that can provide powerful cooling in 55ºC environment, with increased high temperature cooling efficiency of 15~20%, rapidly cools in high temperature environments, with a temperature drop rate that is 5-10% faster than that of conventional ACs.

* The above data was cited from a nationally accredited laboratory.

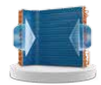
Liquid cooling is more efficient, allowing it to function in high temperature environments and making it more adaptable to high-temperature urban environments.

Brand name components, smart manufacturing, professionalism, and premium quality

Combines a variety of multi-core components such as brand name DC inverter compressors, high efficiency heat exchanger, and a high functionality motor. This ensures that the system is high quality, energy-saving, quiet, and durable.

Compressor of renowned brand

Utilizes brand name high-efficiency DC inverter compressor for powerful operation that is more energy efficient and stable.



Efficient Heat Exchanger

Features an overlapping multiple-outlet route design, distributing the flow of air more evenly, delivering higher heat transfer and increased efficiency.

High functionality motor

Utilizes new manufacturing technology and materials to effectively mitigate wear and tear and improve operating efficiency.

Quiet fan blades

The structure of this unit's fan blades has been optimized using CFD technology, reducing the electric motor's energy consumption and operating noise.

Silence technology ensures a quiet operating environment

To implement quieter running of IDU and ODU, we used advanced technologies such as CFD and FEM, researching the sources of component vibration in air conditioning systems and optimizing the fan's blades, resulting in an air conditioning unit that creates a more comfortable and harmonious work environment for customers.

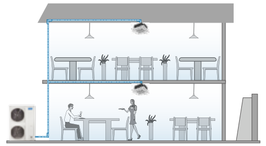
- Newly-designed air guide ring
- Newly-designed air outlet grille
- Motor mount features a vibration-reduction design

- New-generation DC inverter compressor with high performance and low noise Compressor soundproof enclosure processing
- Vibration-reduction design of 3D simulation pipe

- Large vibration-reduction axial fan
- Refrigerant flow muffling Vibration-reduction outer casing for outdoor unit

A long-pipe high-drop design allows flexible installation and optimizes space

A long-pipe high-drop design allows users to flexibly select the installation location, optimizing the use of space.



Creates a small footprint, saving installation space

The outdoor unit has a small footprint with only 0.448m² for a 10HP unit, which can significantly save installation apace.

Diverse, smart, and user-friendly control options

◎Remote controller

- Equipped with multiple operating mode settings (auto, cooling, heating, dehumidification, multi-speed air supply);
- Equipped with clock, timer, and swing functions;
- Backlit display allows easy operation at night;
- Use the remote controller to automatically set the IDU address, making installation and commissioning quick and easy.

◎Wired controller

- The locking function can be used to prevent other people from using the controller.
- A larger LCD display and white backlight allow clear and easy operation;
- Touch buttons are equipped with a backlight, for hassle-free evening use;
- Equipped with green status indicator for on/off, A remote control signal receiver, sleep mode, and a filter screening alert function;

Indoor Unit – Four-way Cassette

360°Airflow Outlet

For Compact Four-way Cassette: 360° air outlet provides strong air flow circulation to cool or heat every corner of a room and evenly control temperatures.

Fresh Air Intake

Fresh air can enter through the cassette unit so you can enjoy even fresher air in a room.

Easy Troubleshooting

For Four-way Cassette: By adding digital tube on the display board, Error Codes can be displayed directly for troubleshooting.

High-lift Drain Pump

For Compact Four-way Cassette: Drain pump with a 500mm pump head is fitted as standard; maximum 600mm pump head is available.
For Four-way Cassette: Drain pump can pump condenser water up to 750mm high, which simplifies installation of the drain piping system.

Indoor Unit - Duct

Multiple static pressure control

Depending on the installation environment, the medium/high static pressure duct can supply multiple static pressure control, for providing comfortable environment suitable for any environment.

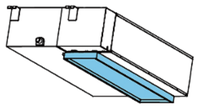
For duct with length less than 50m **196Pa**

For duct with length less than 25m **100Pa**

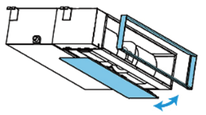
For duct with length less than 5m **30Pa**

Convenient installation

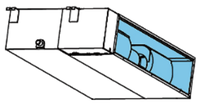
Air intake from back or from bottom can be selected easily through simple adjustment, making the installation flexible.



Air intake from bottom



Easily change



Air intake from back