



18KW Low Ambient Heat Pump Inverter Type Quiet Operation Space Saving

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: meidibao
- Certification: CE
- Model Number: M-D18AEH
- Minimum Order Quantity: 5 units
- Price: negotiate a price
- Packaging Details: plywood box or Plywood box
- Delivery Time: 25-30 work days
- Payment Terms: T/T
- Supply Ability: 50 units day



Product Specification

- Name: EVI Heat Pump
- Model: M-D18ADH
- Brand Name: MEIDIBAO
- Place Of Origin: China
- Refrigerant: R410
- Type: Inverter
- Color: White,OEM
- Highlight: **18KW Low Ambient Heat Pump,
18KW Low Ambient Temperature Heat Pump,
Low Ambient Heat Pump Inverter Type**

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Product Description

18KW LOW ambient heat pump the ideal temperature in winter is between 18-20

Product Description:

Meidibao Fixed Frequency Commercial EVI Series are equipped with multiple technologies to improve its stability and reliability, which helps easily deal with extreme temperature challenges and ensure the stable operation.

Minimum operating ambient temperature: -35°C

Maximum operating ambient temperature: 43°C

Compared with the normal heat pump, due to the technology of wide adjustment capacity, Meidibao Fixed Frequency commercial EVI Series makes the water temperature control more accurate and the temperature fluctuation smaller.

Moreover, the technology also helps to solve the problem of noise and water temperature fluctuation caused by frequent start and stop.

Meidibao Fixed Frequency commercial EVI Series adopt intelligent defrosting technology, which can determine the time of defrosting according to the operating conditions of the unit (running time, exhaust temperature), ambient temperature and thickness of frost, so as to achieve intelligent defrosting when it is necessary, which greatly shortens the defrosting time by more than 20% and ensures the high heating capacity.

Feature:

1. Compressor Choose the world famous brand rotary type or fully enclosed vortex compressor, low noise, low vibration, high efficiency, long service life. For units with multiple compressors inside, depending on the heat (cooling capacity), automatic unloading of the unit at partial load can be achieved to effectively save energy and at the same time avoid frequent start-up of the unit.
2. Water side heat exchanger The water side heat exchanger adopts high-efficiency shell tube heat exchanger or threaded casing heat exchanger, which has the characteristics of small volume, light weight, easy disassembly, convective heat conduction, high efficiency, and the maximum working pressure of 45kgf / cm². The outside of the heat exchanger is insulated with 10mm PE to effectively prevent energy loss
3. Air side heat exchanger The air-side heat exchanger adopts an integral hydrophilic finned inner threaded tube design, with a large windward area, high heat transfer efficiency, resistance to oxidation and corrosion, and hydrophilic fins that are less prone to condensation and frosting, ensuring that the unit has sufficient heating capacity in the cold winter season, and that the unit can still operate normally for heating and defrosting even in low temperatures
4. Low noise fan the use of domestic famous brand motor, the use of axial impeller design, bearing is not easy to heat up, free of oil injection maintenance, blade more anti-aging, not deformed, the fan are strictly, static balance experiments, in order to obtain the best fan working point, fan efficiency and noise level.
5. Housing materials The external sheet metal is made of galvanised steel, and all sheet metal parts are pre-treated with rust removal, cleaning and drying, and then electrostatic spraying is used to paint the internal and external surfaces of each piece of sheet metal for a beautiful appearance

Specification:

Model		M-D18ADH
Heating Capacity Range	kW	8.2-27
	BTU/h	27978-92124
Heating Power Input Range	kW	1.9-7.1
Cooling Capacity Range	kW	4.9-16.2
	BTU/h	16718-55274
Cooling Power Input Range	kW	1.6-6.5
Frequency	Hz	30-90
ErP level(35)	/	A++
ErP level(55)	/	A+
Power Supply	/	3N 380V 50HZ
Electric Heater	kW	/
Max. Running Current	A	14.9
Refrigerant Type	/	R410A
Refrigerant Quantity	kg	3.1
Compressor Brand	/	Mitsubishi Electric
Water Pump Brand	/	WiLo
Water Connection	/	1"
Water Flow	m ³ /h	4.6
Water Pressure Drop	kPa	10
Water Pump Head	m	11.8
Fan Motor Quantity	/	2
Motor Power Input(max)	W	136
Motor Power Input(min)	W	18
Fan Speed (max)	rpm	850
Fan Speed (min)	rpm	300
Pressure Sensor 1	Bar	0-20
Pressure Sensor 2	Bar	0-45
Noise	dB(A)	56
Net Weight	kg	188
Gross Weight	kg	243
Net Dimension(L/W/H)	mm	1078×380×1335
Operation Ambient Temp.		-25~43

Advantages:

Energy efficiency: It can significantly reduce energy consumption compared to traditional heating and cooling methods.

Versatility: Offers both heating and cooling functions in one unit, providing flexibility throughout the year.
 Environmentally friendly: Produces fewer emissions and is a more sustainable option.
 Cost savings: Lower energy bills over time due to its efficient operation.
 Quiet operation: Runs quietly, minimizing disturbance to the environment.
 Space-saving: Consolidates heating and cooling into a single unit, saving space.
 Fast response: Can quickly adjust the temperature to meet the desired settings.
 Improved indoor air quality: Can help maintain a proper humidity level and filter the air.
 Long lifespan: With proper maintenance, can last for many years.
 Easy to control: Has user-friendly controls for convenient operation and temperature management.



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