



20kw Air Source Heat Pump High Efficiency Residential Heat Pump

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Meidibao
- Certification: CE CQC
- Model Number: M-D20AAH
- Minimum Order Quantity: 3SET
- Price: negotiate a price
- Packaging Details: wooden frame or plywood box
- Delivery Time: Specific to the order based on regular products 5 to 7 days. Custom made for 30 days
- Payment Terms: T/T
- Supply Ability: 30 SET one day



Product Specification

- Name: Commercial Air Source Heat Pump
- Material: Galvanized Sheet
- Heat Exchanger: High Efficiency Shell In Tube
- Use: Hot Water
- Waterproof Level: IP×4
- COP: 3.8~4.6
- Working Ambient Temperature: 0~43C
- Highlight: **20kw Heat Pump High Efficiency,
20kw Air Source Heat Pump High Efficiency,
High Efficiency Residential Heat Pump**

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Product Description

20kw Commercial Air Source Heat Pump High Efficiency For Residential Accommodation

Product Description:

Meidibao air source heat pump system is powered by ambient air and operates around the clock: it provides continuous hot water throughout the year and throughout the year, regardless of weather. The operating cost is 67% less than that of gas water heater, 75% less than that of electric water heater and 60% less than that of boiler. Intelligent control: The unit is automatically controlled by a microcomputer, and automatically runs according to the water temperature of the water tank and the user's water use, without the need for special duty. Reasonable arrangement of low front

Feature:

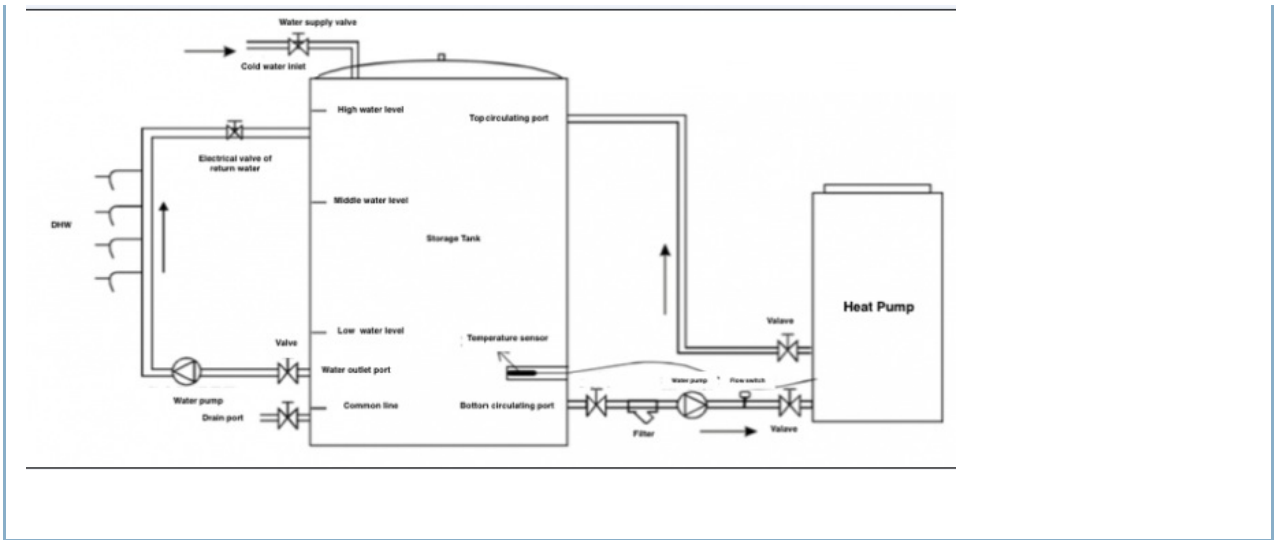
1. Compressor Choose the world famous brand rotary type or fully enclosed vortex compressor, low noise, low vibration, high efficiency, long service life. For units with multiple compressors inside, depending on the heat (cooling capacity), automatic unloading of the unit at partial load can be achieved 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 10mmPE 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 he 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:

20kw Commercial Air Source Heat Pump		
Model		M-D20AAH
Climate type		Normal
Power supply		380V 3N /50Hz
Rated heating capacity	kw	20
Rated power input	kw	5
Rated current	A	8.83
Max. power input	kw	6.5
Max. current input	A	11.48
Water heating capacity	L/h	429
Refrigerant/charging volume		R410a/2600g
Max. exhaust pressure	MPa	3.0MPa
Min. suction pressure	MPa	0.05MPa
Rated hot water temp.		55
Max. hot water temp.		60
Water pipe size		DN25
Noise level	dB(A)	≤65dB(A)
Anti-electric shock rate		I
Protection grade		IPx4
Dimensions	mm	750×690×1060
Net weight	kg	110kg

Advantages:

Heat pump form heating: no need to build a boiler room, directly from the air heat absorption, reduce the cost, clean and safety, avoid environmental pollution; For some winter by heat pump heat shortage places, it can also choose auxiliary electric heating to meet the heat requirements. High efficiency, energy saving, reliable performance: choose the world famous brand rotary type or fully enclosed vortex compressor and the world famous brand high-quality refrigeration components, to ensure that the whole machine plays the highest energy efficiency. The multi-system unit adopts a two-stage energy regulation system, which is especially suitable for partial load, more energy saving and can effectively protect the frequent start of the system.



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