



Superior Performance and High Energy Efficiency of High-Temperature Heat Pumps

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Meidibao
- Certification: CE
- Model Number: MDB-03HG
- 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

- Heat Exchanger: High Efficiency Shell In Tube
- Name: High-Temperature Heat Pump
- Material: Galvanized Sheet
- Use: Hot Water
- Dimension: 890*690*880
- Weight: 110



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Product Description

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Product Description:

The Meidibao Air Source Heat Pump is designed to efficiently supply room temperature hot water using advanced air-to-water technology. With low power consumption and stable performance, it is ideal for residential or light commercial use. This system absorbs heat from the ambient air and transfers it into water, significantly reducing energy costs while ensuring a consistent hot water supply.

Feature:

- High Energy Efficiency:** The coefficient of performance (COP) exceeds 3, saving more than 70% of energy compared with electric heating. It can recover industrial waste heat, significantly improving energy utilization, reducing enterprise operating costs, and contributing to energy conservation and emissions reduction.
- Advanced Technology:** Utilizes technologies such as vapor injection enthalpy increase and electronic expansion valves, breaking through traditional temperature limitations and remaining stable even under high - temperature conditions of 85°C. Equipped with fully enclosed scroll compressors, it can adapt to high compression ratios and ensure long - term efficient operation.
- Safe and Environmentally Friendly:** Adopts a design that separates water and electricity to eliminate the risk of electric leakage. Uses environmentally friendly refrigerants with low GWP values that do not damage the ozone layer. Without a combustion process, there is no exhaust gas or waste residue emissions, meeting the requirements of green production.
- Wide Application:** Applicable to multiple fields such as industrial drying, commercial heating, and agricultural breeding, meeting the high - temperature requirements of different scenarios. Through waste heat recovery, it can replace traditional steam boilers and solve the problem of heat waste.
- Easy Operation and Maintenance:** With a modular design, it can be flexibly installed without the need for a dedicated machine room, facilitating expansion. The equipment has high reliability, low failure rate, and low maintenance costs. It has a power - off memory function, ensuring continuous operation and reducing labor management costs.
- Intelligent Control:** Equipped with an intelligent control system, it can automatically adjust operating parameters according to ambient temperature and load, precisely controlling temperature and humidity. It supports remote monitoring, enabling unattended operation and improving management efficiency and equipment operation stability.

Specification:

MODEL	unit	KFXRSG-09I
Factory Model Number		MDB-03HG
Applicable Ambient Temperature	°C	
Power Supply Specification	/	220V 1N-50HZ
Rated Heating Capacity	kw	9
Nominal Input Power	kw	1.6
Maximum Operating Current	A	15
Hot Water Output	L/H	100
Refrigerant	/	High-temperature dedicated type
Air Outlet Mode	/	Push out the wind
Protection Class	/	IPX4
Outlet Water Temperature	/	28-60
Inlet and Outlet Port Type	MM	DN25
Noise	DB(A)	≤50
Dimensions	MM	860*690*880
Weight	KG	110

Advantages:

The energy efficiency ratio of high-temperature heat pumps can reach over 3, saving more than 70% of energy consumption compared to electric heating. By recovering industrial waste heat, the energy utilization rate is significantly improved, greatly reducing the operating costs of enterprises and contributing to the realization of the "dual carbon" goals.





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