



High - Temperature Steam Heat Pump: Design, Performance Analysis And Industrial Application Prospects

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Meidibao
- Certification: CE
- Model Number: MDB-013HZ
- Minimum Order Quantity: 3 Unit
- Price: negotiate a price
- Packaging Details: Factory standard packing
- 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: 10 Unit/Units per Month



Product Specification

- Name: Meidibao Heat Pump
- Type: Fixed
- Origin: Guangdong Province China
- Working Temp: 120 -150
- Dimension: 700*680*1150
- Weight: 160

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Product Description

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Product description:

Foshan Meidibiao Electrical Appliance Co.,Ltd,established in 2005,specialized in the research,development and production of Heat pumps.With high-quality products and excellent customer service, it has received great praise in markets around the world and has established a global sales network covering regions such as Europe, North America, and South Africa.Whether in terms of technological innovation or service provision, we are committed to exceeding industry standards and establishing long-term partnerships based on reliability and performance.

Key Features:

High-temperature steam heat pumps have outstanding energy conversion efficiency. Through compression heat pump technology, low-grade thermal energy can be upgraded to high-temperature steam. The coefficient of performance (COP) is 3 to 5 times higher than that of traditional heating equipment, significantly reducing operating costs. It adopts environmentally friendly refrigerants and optimizes thermodynamic cycles, which not only reduces carbon emissions but also effectively recovers industrial waste heat and waste heat, achieving the secondary utilization of energy. This aligns with the green and low-carbon development trend and provides efficient and energy-saving solutions for industrial production and building heating.

Specification:

MODEL	unit	KFYRS-20II
Factory Model Number		MDB-10HZ
Applicable Ambient Temperature	°C	120-150
Power Supply Specification	/	380v 3N-50HZ
Rated Heating Capacity	kw	40
Nominal Input Power	kw	9
Maximum Operating Current	A	24
Hot Water Output	L/H	720
Refrigerant	/	R22
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)	≤55
Dimensions	MM	700*680*1150
Weight	KG	160

Advantages:

High-temperature steam heat pumps, with their efficient energy conversion mechanism, can upgrade low-grade thermal energy into high-quality steam, achieving an energy efficiency ratio (COP) of 3 to 5. Compared with traditional electric heating or coal-fired boilers, they save over 60% of energy. Its waste heat recovery function can reuse the waste heat discharged in industrial production, significantly reducing energy consumption and operating costs, and greatly enhancing the economic benefits of enterprises.





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