



36KW Low Noise Air Source Heat Pump with Scroll Compressor for Custom Applications

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: meidibao
- Certification: CE
- Model Number: MDB-100WD
- Minimum Order Quantity: 5 SET
- Price: negotiate a price
- Packaging Details: wooden frame or plywood box
- Delivery Time: 25-30 days
- Payment Terms: T/T
- Supply Ability: 5 set one day



Product Specification

- Name: Custom Heat Pump
- Heat Exchanger: PPR Shell Titanium Tube
- Refrigerant: R410A
- Power Supply: 220V/3PH/3wire /60Hz Or 50Hz
- Compressor Type: Scroll
- Type: Air Source Heat Pump
- Material: Galvanized Sheet Or 304#
- Highlight: **36KW Custom Heat Pump, Custom Heat Pump Heat Pump 220V, Low Noise Heat Pump Heat Pump**

36KW Custom Heat Pump - 220V 3PH 3wire Width Limit Low Noise

Product Overview

The Meidibao 36KW Custom Heat Pump is an advanced air source heat pump system powered by ambient air that operates continuously throughout the year, regardless of weather conditions. This intelligent system provides continuous hot water with operating costs 67% less than gas water heaters, 75% less than electric water heaters, and 60% less than traditional boilers.

Featuring microcomputer automatic control, the unit operates based on water tank temperature and user consumption patterns, eliminating the need for manual supervision while optimizing energy efficiency.

Key Features

Premium Compressor: Utilizes world-famous brand rotary or fully enclosed vortex compressors for low noise, minimal vibration, high efficiency, and extended service life. Multiple compressor units feature automatic unloading at partial load to conserve energy and prevent frequent startups.

Advanced Water Side Heat Exchanger: High-efficiency shell tube or threaded casing heat exchanger with compact design, lightweight construction, easy maintenance, convective heat conduction, and maximum working pressure of 45kgf/cm². Insulated with 10mm PE to prevent energy loss.

Optimized Air Side Heat Exchanger: Integral hydrophilic finned inner threaded tube design with large windward area, high heat transfer efficiency, oxidation and corrosion resistance. Hydrophilic fins minimize condensation and frosting, ensuring reliable heating capacity even in cold winter conditions.

Low Noise Fan System: Domestic brand motor with axial impeller design, heat-resistant bearings requiring no oil injection maintenance, anti-aging blades that resist deformation. All fans undergo strict static balance experiments for optimal performance and noise reduction.

Durable Housing: External sheet metal constructed from galvanized steel with pre-treatment including rust removal, cleaning, and drying. All surfaces receive electrostatic spraying for both aesthetic appeal and corrosion protection.

Technical Specifications

Product Type	Air Source Heat Pump
Model	MDB-100WD
Climatic Type	Normal
Power Supply	220V/3PH/60Hz
Rated Heating Capacity	36kW
Rated Power Input	10kW
Max Rated Current	39.8A
Refrigerant	R410
Rated Water Temperature	55
Max Hot Water Temperature	60
Working Temperature	0-43
Water Pipe Size	3"
Noise Level	≤68dB(A)
Product Dimensions	1500×710×1270mm
Net Weight	240kg

Testing conditions: Ambient Dry/Wet Bulb Temperature: 20 /15 ; Water Inlet/Outlet Temperature: 15 /55

System Advantages

Heat Pump Form Heating: No boiler room required - directly absorbs heat from air, reducing installation costs while providing clean, safe operation with no environmental pollution. Optional auxiliary electric heating available for locations with insufficient winter heat pump capacity.

High Efficiency & Reliability: Utilizes world-famous brand compressors and premium refrigeration components to maximize energy efficiency. Multi-system units feature two-stage energy regulation, particularly effective for partial load conditions, providing additional energy savings while protecting against frequent system startups.

Product Images







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