



## 12KW Heating Capacity R410A Refrigerant Water to Water Ground Source Heat Pump with LCD Touch Panel Control

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: meidibao
- Certification: CE
- Model Number: M-D12WDH
- Minimum Order Quantity: 10 units
- Price: negotiate a price
- Packaging Details: Factory standard packing
- Delivery Time: 25-30 days
- Payment Terms: T/T
- Supply Ability: 5 units one day



### Product Specification

- Heat Exchanger: Plate Heat Exchanger
- Refrigerant: R410A
- Power Supply: 230V/1P/50HZ
- Type: Water To Water
- Throttle Device: EEV
- Control: LCD Touch Panel Standard/internet ,APP Control Alternative
- Name: Custom Heat Pump
- Highlight: **12KW Heat Pump Water To Water,  
12KW Heat Pump Manufacturers,  
12KW Ground Source Heat Pump Manufacturers**

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## Product Description

# 12KW Heat Pump Water To Water Ground Source Heat Pump

### Product Overview

12KW Custom Heat Pump inverter Ground Source Heat Pump with integrated hot water, room heating/cooling, and solar control functionality.

### Product Description

The water-to-water heat pump may be applied in a boiler/cooling tower setting, in a geothermal closed or open loop application, or in a hybrid application. All units accommodate service access to the controls and other major components to contribute to greater serviceability and maintainability.

Water-to-water heat pumps transfer underground heat energy from hot water or steam to indoor hot water or steam. This hot water or steam is then distributed within homes and businesses through radiators, hot water baseboard heaters, or radiant floor heating. As renewable and efficient systems, heat pumps utilize natural heat transfer principles.

### Key Features

High COP: 5.10/5.25/5.20 (Rated working condition: heating: source side inlet/outlet water temp: 10 /7 , use side inlet/outlet water temp: 30 /35 )

Hot Water Temperature: 20 to 65

Power Supply: 380V/50Hz/3P, 220V/50Hz/1P

Source Side Temperature: -3 to 30

Heating Capacity: 5KW/12KW/18KW/24KW

### Technical Specifications

Model		M-D12WDH
<b>Performance at W10/7 , W30/35</b>		
Rated Heating Capacity	kW	12.5
Heating Capacity Range	kW	4.1-13.5
COP	/	5.2
Rated Input Power	kW	2.4
<b>Performance at W0/-3 , W30/35</b>		
Rated Heating Capacity	kW	11
Heating Capacity Range	kW	3.3-12.1
COP	/	4.47
Rated Input Power	kW	2.46
Functions	/	Hot water + Room heating/cooling + Solar control (Change over automatically)
Control	/	LCD touch panel standard / Internet, APP control alternative
Delivery Water		20-65
Power Supply	/	230V/1P/50Hz
Noise	dB(A)	40
Color	/	Optional / default white

## Technology Advantages

Meidibao DC inverter water source heat pumps utilize DC inverter technology and REPM compressors with adjustable running speeds that follow ambient or water temperature variations. This regulates output capacity to heat storage tanks or rooms much quicker than normal on/off heat pumps while maintaining precise temperature balance.

The inverter system provides very high COP by eliminating energy waste. Through frequency-changeable inverter technology, the heat pump can increase compressor speeds to over 5000rpm at very low ambient temperatures of -25 , increasing refrigerant mass flow rate to offset source energy loss in cold climates while maintaining acceptable performance.



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