Water Source Residential Heat Pump / High Temperature Domestic Air Source Heat Pump

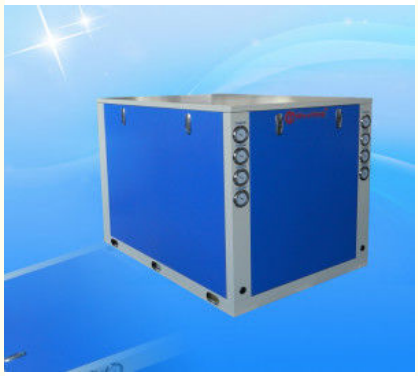
Our Product Introduction

Basic Information

- Place of Origin: Guangzhou China
- Brand Name: horizontal-slurrypump.com
- Certification: CE ISO CCC UKAS,ROHS
- Model Number: OEM
- Minimum Order Quantity: 5 PCS
- Price: Negotiation
- Packaging Details: Plywooden case
- Delivery Time: 15 days
- Payment Terms: T/T, L/C WESTERN UNION
- Supply Ability: 800/MONTH

Product Specification

- Materail: Galvanized Steel Sheet
- Contactor: Fuji Brand
- Copper Pipe Thick: 1 Mm
- Compressor: ZW Series ,With Crank Heating
- Working Temperature: -20--45 Degree
- Insulation: Foam Pack Pipe And Stick On The Machine Innner
- Defrosting: Automaticlly
- Temperature: 80 Degree
- Highlight: **high temperature air to water heat pump**



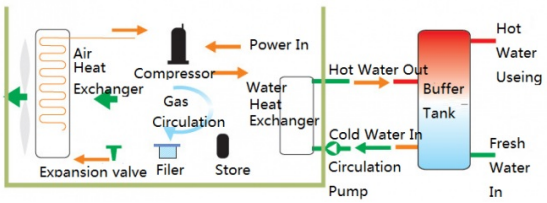
Product Description

Earth-water geothermal ground source heating pumps
designed and tested by European standard EN14511, approved and tested by ECM china branch. Characterized by its high COP, competitive price and perfect quality.

Meeting Ground source heat pump, works by using heat stored in the ground from the sun's solar radiation to supply all of the energy required for a home's heating and hot water system.

Meeting geothermal ground source heat pump adopts the following world famous parts:
LCD fignger touch Siemens controller Option
Stainless steel plate type heat exchanger (SWEP or GEAOption)
Copeland scroll compressor
Fuji A/C contactor
Emersion expansion valve
Emersion dry filter
Honeywell R410a/R417A refrigeration

How it works
There are three important elements to a ground source heat pump:
1.The ground loop
This is comprised of lengths of pipe buried in the ground, either in a borehole or a horizontal trench. The pipe is usually a closed circuit and is filled with a mixture of water and antifreeze, which is pumped around the pipe absorbing heat from the ground. The ground loop can be:
•Vertical, for use in boreholes
•Horizontal, for use in trenches
•Pound/Lake installation
2.A heat pump
In the same way that your fridge uses refrigerant to extract heat from the inside, keeping a ground source heat pump extracts heat from the ground, and uses it to heat your home.
3.Heat distribution system
This consists of under floor heating or radiators for space heating and in some cases water storage for hot water supply.



ADVANTAGES:
Suitable for the coldest winter area
The most high efficiency heat pump
Maintenance free
Indoor side installation
No noise level to disturb your neighbor

Reducing your carbon emission
Enjoying your green life by installing Meeting heat pumps
Reducing your heating and cooling bill with high efficiency Meeting heat pumps

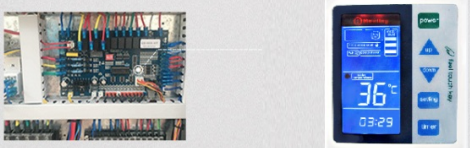
MODEL		Unit	MDS200D
Rated heating capacity		KW	74
Hot water supply		L/h	1590
Average heating input power		KW	17.6
Rated heating input current		A	36
Max outlet water temp		℃	80
COP			4.6
Power		V/Hz	380V/50
Noise		Db(a)	58
Dimension	W*D*H	mm	1260×850×860
Packing size	W*D*H	mm	1350×910×1020
Unit weight		KG	630
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Copeland
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	63
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	M3/H	20000L/h
	Water pressure down	Kpa	55
	Pipe size	DN	50
	Max house heating	M2	600

America Emerson Company Copeland Brand Compressor

MD30D,MD40D,MD50D,MD60D,....All use ZW Series

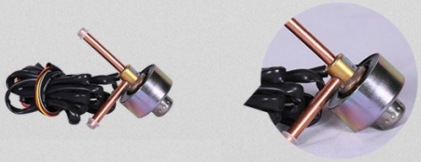
America Copeland Compressor

Automatic Controller



Sanhua Four Way Valve

Sanhua Electric Expansion valve



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