Automatically Defrosting Dual Fuel Heat Pump Heating House Hybrid CE ISO

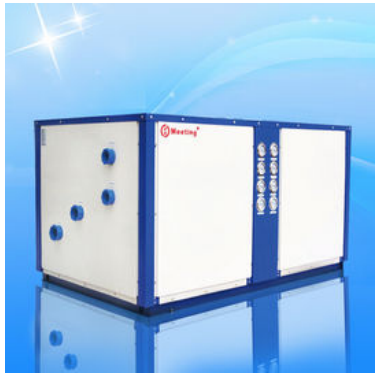
Our Product Introduction

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: **domestic ground source heat pump**



More Images

Product Description

10P meeting_MDS100D water source heat pump_380V Copeland compressor hot water heating house save power high temprature

Technology Specification

Water source heat pump

MODEL		Unit	MDS15D
Rated heating capacity		KW	5
Hot water supply		L/h	100
Average heating input power		KW	1.2
Rated heating input current		A	6
Max outlet water temp		℃	80
COP			4
Power		V/Hz	220V/50
Noise		Db(a)	50
Dimension	W*D*H	mm	657×557×765
Packing size	W*D*H	mm	737×637×915
Unit weight		KG	75
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Panasonic
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	25
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	L/H	2000L/h
	Water pressure down	Kpa	30
	Pipe size	DN	25
	Max house heating	M2	40
MODEL		Unit	MDS20D
Rated heating capacity		KW	7
Hot water supply		L/h	150
Average heating input power		KW	1.7
Rated heating input current		A	9
Max outlet water temp		℃	80
COP			4
Power		V/Hz	220V/50
Noise		Db(a)	50
Dimension	W*D*H	mm	657×557×765
Packing size	W*D*H	mm	737×637×915
Unit weight		KG	75
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Panasonic
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	25
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	L/H	2000L/h
	Water pressure down	Kpa	30
	Pipe size	DN	25
	Max house heating	M2	55
MODEL		Unit	MDS30D
Rated heating capacity		KW	12
Hot water supply		L/h	260
Average heating input power		KW	2.89

Rated heating input current		A	13/6
Max outlet water temp		℃	80
COP			4
Power		V/Hz	220V/380V/50
Noise		Db(a)	50
Dimension	W*D*H	mm	657×557×765
Packing size	W*D*H	mm	737×637×915
Unit weight		KG	108
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Copeland
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	25
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	L/H	3300L/h
	Water pressure down	Kpa	35
	Pipe size	DN	25
	Max house heating	M2	100
MODEL		Unit	MDS40D
Rated heating capacity		KW	16
Hot water supply		L/h	380
Average heating input power		KW	4
Rated heating input current		A	9
Max outlet water temp		℃	80
COP			4.2
Power		V/Hz	380V/50
Noise		Db(a)	50
Dimension	W*D*H	mm	657×557×765
Packing size	W*D*H	mm	737×637×915
Unit weight		KG	145
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Copeland
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	32
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	L/H	4000L/h
	Water pressure down	Kpa	40
	Pipe size	DN	25
	Max house heating	M2	125
MODEL		Unit	MDS50D
Rated heating capacity		KW	19
Hot water supply		L/h	400
Average heating input power		KW	4.4
Rated heating input current		A	9
Max outlet water temp		℃	80
COP			4.2
Power		V/Hz	380V/50
Noise		Db(a)	50
Dimension	W*D*H	mm	657×557×765
Packing size	W*D*H	mm	737×637×915
Unit weight		KG	145

Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Copeland
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	32
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	L/H	5000L/h
	Water pressure down	Kpa	40
	Pipe size	DN	25
	Max house heating	M2	150
MODEL		Unit	MDS60D
Rated heating capacity		KW	25
Hot water supply		L/h	520
Average heating input power		KW	6
Rated heating input current		A	12
Max outlet water temp		℃	80
COP			4.5
Power		V/Hz	380V/50
Noise		Db(a)	50
Dimension	W*D*H	mm	657×557×765
Packing size	W*D*H	mm	737×637×915
Unit weight		KG	158
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Copeland
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	32
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	L/H	6000L/h
	Water pressure down	Kpa	45
	Pipe size	DN	25
	Max house heating	M2	175
Model		Unit	MDS100D
Rated heating capacity		KW	38
Hot water supply		L/h	800
Average heating input power		KW	8.8
Rated heating input current		A	18
Max outlet water temp		℃	80
COP			4.6
Power		V/Hz	380V/50
Noise		Db(a)	55
Dimension	W*D*H	mm	1050*810*760
Packing size	W*D*H	mm	1140*900*910
Unit weight		KG	290
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Copeland
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	32
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	L/H	10000L/h
	Water pressure down	Kpa	50
	Pipe size	DN	32

	Max house heating	M2	300
Model		Unit	MDS150D
Rated heating capacity		KW	42
Hot water supply		L/h	1200
Average heating input power		KW	11
Rated heating input current		A	21
Max outlet water temp		℃	80
COP			4.6
Power		V/Hz	380V/50
Noise		Db(a)	55
Dimension	W*D*H	mm	1050*810*760
Packing size	W*D*H	mm	1140*900*910
Unit weight		KG	300
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Copeland
water source heat exchanger	Type		Plate heat exchange
	Pipe size	DN	32
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	L/H	15000L/h
	Water pressure down	Kpa	50
	Pipe size	DN	32
	Max house heating	M2	350
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
MODEL		Unit	MDS300D
Rated heating capacity		KW	100
Hot water supply		L/h	2400
Average heating input power		KW	25
Rated heating input current		A	45
Max outlet water temp		℃	80
COP			4.6
Power		V/Hz	380V/50
Noise		Db(a)	55
Dimension	W*D*H	mm	1260×850×860
Packing size	W*D*H	mm	1350×910×1020

Unit weight		KG	660
Refrigerant			R134A
Working air temp range		℃	(-40℃)—45℃
compressor	Type		Copeland
water source heat exchanger	Type		Tube heat exchange
Hot water side heat exchange	Type		Coil heat exchanger
	Water flow	M3/H	30000L/h
	Water pressure down	Kpa	60
	Pipe size	DN	50
	Max house heating	M2	730

Product Description

Applicable scope: The reservoir farms near the rivers and lakes, hotels, schools, hospitals, factory staff quarters and other places.

1. Water source heat pump system is a highly efficient and energy efficient refrigeration system that utilizes underground shallow geothermal resources (also known as ground energy, including groundwater, soil, or surface water). Stable geothermal resources throughout the year to meet the hot and cold demand, it is the best choice for alpine region to get hot water and heating.

2.The machine adopts international brand-name compressor, with patented technology efficient heat exchanger, refrigeration and heating more powerful, high efficiency, automatic micro computer intelligent control technology, set the multiple protection function.

Our Services

After installation, our company will be responsible for problems caused by quality of production or raw material except the damageable spare parts of heat pump caused by incorrect man-made operation during the guarantee period.

2. Intelligent Controlling service system will be avoid the long distance of the after sale problem. Wherever are you, our engineer can be controlled your equipment, when some questions occur on the equipment. Just tell us what number will be shown on the screen, then the engineer will be solve the problem.

3. We accept OEM, ODM and customization.

4.24*7 after sales service. You will get satisfied service.

5. We have More than 17years production and sales experience; Professional sales team.

6. Fast delivery time: small order: 3-5 days, bulk order: 15-25 days.

Water to water system pumps heat through the use of a simple refrigeration system, it pumps heat from the warm earth in the winter and move it into your house or business. In the summer, the process is reversed. Since it costs far less to move heat than to make it, much less energy is consumed.

For closed loop system, water or an antifreeze solution is circulated through plastic pipes buried beneath the earth’s surface. During the winter the fluid collects heat from the earth and carries it through the system and placing it in the ground.

Open systems operate on the same principle as closed loop systems and can be installed where an adequate supply of suitable water is available and open discharges is feasible.

Loops can be installed three ways: horizontally, vertically or in a pond or lake. The type chosen depends on the available land area and the soil and rock type at the installation site.

Monoblock evi air to water source heat pump factory description:
* Products design and produce heat pump by European standard EN14511, approved by ECM with its high efficiency. Factory audited by Bureau Veritas.

*Delivers higher capacity at low evaporating temperature thereby better responding to heating requirement thanks to EVI compressor
* It also results in less supplementary heating to cover the full heating demand on the coldest days.
* Workable ambient temperature range - 25℃ to 35℃.
* Two speed energy saving fan motors. The speed of fan varies so only the required amount of air is utilized. The blades are specially designed to move as much air as possible at the lowest noise level.
* Timer ON/OFF.
* Varied heat curve. Controlled water temperature varies according to ambient temperature
* Most components are well sealed to retain heat and prevent dripping

1. Copeland EVI scroll R407C compressor.
2. Designed for central heating for houses in cold area including North Europe and East Europe.
3. Can work stably at -25DegC ambient and the COP at -15DegC ambient is up to 2.5.
4. Can work with auxiliary heater.
5. Using electronic expansion valve, achieving accurate, stable and high efficiency throttling.
6. Split design, no water system outside, no freezing and damage to water system. Optional refrigerant pipe quick connection is available, to reduce installation cost.
7. Low noise design for the outdoor unit. The compressor is on a floating plate to reduce vibration at the most extent. Noise insulation inside the cabinet. The fan is extremely quiet.
8. The refrigerant connections are designed to allow hiding all pipes, wires into the ground to ensure good looking installation.

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