



Industrial Cold Climate Water Cooled Heat Pump / Geothermal Heat Pump

Our Product Introduction

for more products please visit us on horizontal-slurypump.com

Basic Information

- Place of Origin: Guangzhou China
- Brand Name: horizontal-slurypump.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: -40--45 Degree
- Insulation: Foam Pack Pipe And Stick On The Machine Innner
- Throttle: Thermal Expansion Valve
- Highlight: **domestic ground source heat pump, water to water heat pump**



More Images



Product Description

Technology Specification

Water source heat pump installation in different situations

Water source heat pumps can use groundwater, river water, tap water, industrial wastewater as a water source, and people can choose suitable water sources according to their most favorable conditions.

If groundwater is used, people can drill wells according to local geology, and generally more wells than pumping wells, because pumping water is easier than recharging. Construction of other water source heat pump projects is relatively easy. The ground source heat pump can also be called a soil source. It is buried in underground soil with high-polyethylene U-shaped pipe filled with water and antifreeze. The two ends of the pipe are connected to the evaporator in the ground source heat pump. Water and antifreeze are The circulation in the pipelines will continuously transfer the heat in the soil to domestic water.

Internal product accessorise:

1 compressor :

The world-famous Copeland Flexible Scroll Compressor has functions such as low wear resistance, long service life, over-current protection, phase loss protection, over-the-counter protection, strong liquid-impact resistance, and high and low voltage protection. Copeland compressor built - in pressure relief valve in the body can automatically relieve pressure when the high pressure is too high

2 Electronic expansion valve :

The introduction of the latest Japanese technology in conjunction with the company's control system has led to the development of a unique electronic expansion valve control method and the use of digital technology control to control the working fluid to achieve the best flow velocity effect, thereby increasing the COP value.

3 Condensation heat exchanger :

In combination with the United States and the United States outside the threaded pipe technology, successfully created a "spring" spiral tube new structure condenser. Better heat transfer, faster heat transfer, and higher efficiency, minimize fouling, extend heat pump life and reduce maintenance

4 Electronic control system :

With powerful engineering supporting control functions , it can control circulating water pump, make-up water , return water, water supply , electric heating , PID automatic defrosting, etc., making the control easier. According to the needs of different projects, it can set various parameters by itself and realize various water supply schemes . The entire system can be automated without special care.

5. Evaporation heat exchanger :

The use of high efficiency plate heat exchanger, high heat transfer efficiency, small footprint, and has a small heat dissipation characteristics, in the case of water quality is not very bad, the use of plate heat exchanger is the best choice

Product Details :

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			R417A/R407C
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

Packaging & Shipment

- 1> Meeting heat pump can sure delivery heat pump within 5~20 working days as we warehouse stock condition.
- 2> Heat pump with strong plywood pallet , strong plywood box for loading, make sure no problem happen during rude

transporattion .

3> All spare parts of the heat pump water heater will together loading into package , one time finished shipment to buyer.

4> Take video of the heat pump for buyer before package to 100% sure buyer get product same as order, no any different.

5> Meeting heat pump offer 100% test online, 5% test in Lab by 24 hour for one lot order (if not new model)

Packaging Details :Standard export packing -with plywoods case packages,OEM is available for Factory price heat pump water heaters

Delivery Time :15 work days after arrival of down payment

QC :

1. Complying with ISO standard. Quality Ensured.

2. Complete Inspection for each unit before out of factory, covering water system and electricity detection and testing, ensuring 100% right product before shipment.

3. Strict quality control during production. We have liquid soap detection, halogen detection, electrical detection and water-soaking detection during production to avoid gas leakage and electrical problems .

4. Full inspection on bigger parts such as compressors, condensers, evaporators, expansion valves, flow switches, controllers etc.. Selection inspection for small parts such as sensors, pressure switches etc..

5. Well noise control by using mute cotton for casing plates and soft rubber feet for floating compressors, some of the models use compressor isolation shields.

6. Well insulated with insulated cotton for every pipe and parts, include compressor, dryer filter and each pipes.

7. We have passed TUV and SGS inspections. We have CE, RoHs, IEC, CCC, CB certificates for most of our products. Some of our products have en14511 test, en14825 test.

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