Remote Control Cold Climate Heat Pump Air Heating And Cooling Hybrid Heat

Our Product Introduction

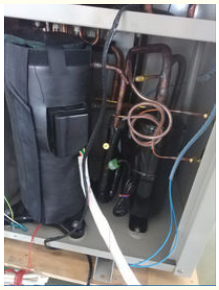
Basic Information

- 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

- Material: Galvanized Sheet
- Contactor: Fuji Brand
- Copper Thick: 1 Mm
- Compressor: With Oil Heater
- Working Temperature: -20--45 Degree
- Insulation: Foam Pack Pipe And Stick On The Machine Innner
- Display: LCD Figer Touch
- Control: Wifi Function Support
- Highlight: **meeting heat pump**

More Images



Product Description

Side blowing air to water source heat pump incluce cooling and heating electronic control sysem autamation can be left unattended

Technology Specification

Porducts Details

1. Rated heating capacity : 18KW
2. Rated Cooling capacity :12 KW
3. Hot water supply : 4000L / h
4. Average heating input power : 4.4KW
5. Rated heating input current : 9A
6. Max outlet water temp : 60 ℃
7. COP : 4.2
8. Power : 380/50V / Hz
9. Noise :60 Db(a)
10. Dimension W*D*H :1120*490*1270mm
11. Packing size W*D*H :1200*520*1425mm
12. Unit weight : 160KG
13. Refrigerant : R417A/R407C/R404A
14. Working air temp range : (-20℃)—45℃
15. compressor : Copeland
16. Air source heat exchanger : Finned heat exchange
17. Fan : axial flow fan
18. Hot water side heat exchange : Coil heat exchanger
19. Water flow : 5000L / H
20. Water pressure down : 45Kpa
21. Pipe size : 25DN
22. Max flat spuare meter M2 150 M ²

Machine internal configuration :

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 Condenstion 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 hydrophilic membrane aluminum foil, even after long-term use The use of a hydrophilic layer also does not result in oxidative detachment. this The evaporator has a special advantage: Excellent skis performance The more you can reduce the wind resistance, so that the condensate drains out quickly
outer. Internally-threaded copper tube and corrugated aluminum foil structure High evaporator efficiency.

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

Technical service

1. We calculate the capacity and recommend the best models.
2.We supply you the professional refrigeration technical support and electronic technical support for your installation, debugging and operation.
3. We supply the spare parts and technical support in and after the warranty time.
4. We supply the training course to your workers at our factory if you need.
5. We can offer site training to your workers in your place which is negotiable.

After-sales service
1 . Technical support for your installation, operation and maintenance.
2 . Standard warranty time: One years'warranty for heat pumps
You can also pay for extended warranty or we can renegotiate the longer warranty period.
3 . Spare parts and technical support at most economic prices after the warranty.

Certificsate we have got :
1> ISO 9001, ISO 14000

2> Our company has been inspected and certificate by EMC

3> CE And EN14511, EN 14825-ERP for heat pump exported to europe

4> Energy label for all heat pump models sold to oversea market

5> Testing laboratory calibrated by CNAS

Payment service
1. T/T
2. L/C (for container order only)

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Our leading products
Air to water heat pump , inverter heat pump, High water temperature heat pumps
Monoblock house heating heat pumps ,Split heat pump ,Super low noise heat pump

Air source heat pump working principle
According to the principle of reverse Carnot cycle, the low-temperature and low-pressure liquid refrigerant exchanges heat with the surrounding air in the evaporator, absorbs the heat Q1 in the air and evaporates into a low-temperature and low-pressure gas state, the temperature of the refrigerant does not change during evaporation, and the low-temperature and low-pressure gas refrigerant After entering the compressor, the compressor is used to do work W. It is compressed into high-temperature and high-pressure gas. Then it enters the condenser. In the condenser, it exchanges heat with indoor water. Part of the heat Q2 of the high-temperature and high-pressure gaseous refrigerant is absorbed by the water. As the temperature rises, the refrigerant radiates heat and condenses and turns into a high-temperature, high-pressure liquid. During the condensation, the temperature of the refrigerant is constant and then enters the expansion valve for throttling. Throttling is a process of rapid cooling, and the refrigerant turns into a low-temperature and low-pressure liquid. This process is just like Contrary to the situation in the compressor, the refrigerant after throttling enters into the evaporator for heat exchange, thereby realizing the entire process of reverse Carnot. This cycle is continuous, and the air source heat pump can work continuously and keep the water temperature constant. Increased

So Q2=Q1+W in this process

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