Low Noise Water Source Heat Pump Restaurants Factories Small Working Fluid

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: horizontal-slurrypump.com
- Certification: CCC, ISO, CQC
- Model Number: OEM
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Packaging Details: Reinforced Carton box with wooden tray
- Delivery Time: 1-2 weeks
- Payment Terms: T/T
- Supply Ability: 10 sets/day

Product Specification

- Product Name: Water (Ground) Source Heat Pump
- Feature: High Heat Exchange Efficiency
- Oil Return: Stable And Reliable
- Application: Hotels, Restaurants
- Advantages: Energy Saving
- Working Fluid: Small
- Highlight: **domestic ground source heat pump**

Our Product Introduction

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Product Description

Meeting_ground Source Heat Pump System , Low Noise High Efficiency Heat Pump

Air source heat pumps can provide fairly low cost space heating. A high efficiency heat pump can provide up to four times as much heat as an electric heater using the same energy. In comparison to gas as a primary heat source, however, the lifetime cost of an air source heat pump may be affected by the price of electricity compared to gas (where available). Use of gas may be associated with higher carbon emissions, depending upon how the electricity is generated.

The water (ground) source heat pump system is an energy-efficient air-conditioning system that utilizes underground shallow geothermal resources (also known as ground energy, including groundwater, soil or surface water, etc.) and is both heat and cool. The system realizes the transfer of low-temperature heat energy to high temperature position by inputting a small amount of electric energy. The ground energy can be used as the heat source of heat pump heating in winter and the cold source of air conditioner in summer. The unit consumes 1kW of energy and obtains cold/heat of 4~5kW or more. Energy source In underground energy, the system does not discharge any waste gas, waste water and waste residue to the outside world. It is an ideal “green air conditioner” and can be widely used in office buildings, hotels, schools, dormitories, hospitals, restaurants, shopping malls, villas, residential and other fields. .

Falling film type water (ground) source heat pump unit

Features:
1. High heat exchange efficiency.
The falling film evaporator used in the unit, the refrigerant is supplied from the upper part of the refrigerant, the internal heat exchange tubes are arranged according to a specific array, and the liquid supply distributor is arranged above the heat exchange tube. The refrigerant liquid is evenly dropped onto the heat exchange tube array, and a film is formed on the surface of the heat exchange tube, so that the refrigerant is in full contact with the heat exchange tube, and the vaporized gas is collected above the evaporator and passed through the passage. The suction pipe draws into the compressor. Therefore, the evaporation of the refrigerant in the falling film evaporator is more sufficient, and the heat exchange efficiency is higher. Compared with dry and full liquid evaporators, the heat transfer efficiency can be increased by about 10%.
2. The amount of working fluid is small and has obvious environmental benefits.
In the falling film evaporator, the refrigerant liquid can be fully evaporated by forming a film on the surface of the heat transfer tube. The refrigerant liquid in the flooded evaporator must be kept at a specified height to fully evaporate, and the refrigerant usage can be reduced by more than 20% compared with the full liquid evaporator. It has very important environmental significance.
3. The oil return is stable and reliable.
In the falling film evaporator, the frozen oil separated by the evaporation of the refrigerant is collected at the bottom of the evaporator, flows into the oil reservoir below the evaporator through the oil return pipe, and is sucked into the compressor through the oil return device to realize oil return. This oil return method is very stable and reliable, which ensures that the compressor is always operated under good lubrication, thus effectively extending the service life of the unit. It is difficult to return oil with the full liquid evaporator. The structure of the oil return system is complicated and the oil level is difficult to determine, which simplifies the design and effectively extends the service life of the unit. Therefore, the falling film heat pump unit has obvious energy saving effect and outstanding environmental protection effect.

Application place:
Applicable to villas, hotels, restaurants, hospitals, factories, office buildings, theaters, stadiums, residential quarters, textiles, food, medicine, metallurgy, petroleum, chemical and boiler renovation projects.

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