

Geothermal Water Source Heat Pump

This anti-freeze water source heat pump has a rated heating capacity of 19kW and a rated cooling capacity of 14kW. It is designed to maintain a maximum outlet water temperature of 60 .



ADDITIONAL IMAGES



Overview

Sustainable Thermal Management

This geothermal water source heat pump offers a high-efficiency solution for year-round heating and cooling by utilizing the constant temperature of groundwater. Designed for versatility, the unit is suitable for commercial buildings, public facilities, residential apartments, schools, and hospitals. It features a modular design for independent billing and easy maintenance, ensuring long-term reliability and significant energy savings.

Performance Metrics

Performance Highlights

19.5 kW

Heating Capacity

18.5 kW

Cooling Capacity

3.5

COP

5.5 kW

Input Power

Technical Specifications

System Specifications

Parameter	Value
Model	HPS-060
Power Supply	380V/3PH/50HZ
Refrigerant	R410A (2.5kg)
Max Outlet Water Temp	60°C
Water Flow	3.2 m³/h
Water Connection	DN25
Noise Level	58 dB(A)
Dimensions	1200 x 600 x 1400 mm
Net Weight	220 kg

Features

System Benefits

- High energy efficiency (4.4-5.5 range)
- Modular design for individual unit billing
- Low-noise operation with double shock absorber design
- Advanced micro-computer control interface
- Easy maintenance access
- Compact structure for space-saving installation

Suitable Environments

Commercial Buildings, Public Buildings, Residential Apartments, Schools, Hospitals