

90°C High Temperature Heat Pump Water Heater

This heat pump water heater delivers up to 90°C hot water, suitable for high-temperature industrial and commercial applications. It utilizes a two-stage compression system with R410A and R134a refrigerants for efficient operation in cold climates.



ADDITIONAL IMAGES



Product Overview

High-Performance Industrial Heating

This high-temperature heat pump water heater utilizes advanced two-stage coupling technology, combining R410A and R134a refrigerants to deliver reliable hot water output up to 90°C. Engineered for demanding industrial and commercial environments, the system maintains efficient operation even in ambient temperatures as low as -20°C. With precise digital control and variable speed inverter technology, it provides an energy-efficient solution for applications ranging from factory processes and textile manufacturing to large-scale sterilization.

Technical Specifications

Model Number	RSV-20K/S
Power Supply	380V/50Hz
Rated Heating Capacity	20 kW
COP	3.2 w/w
Max Input Power	12.6 kW
Max Input Current	20.5 A

Performance Metrics

Key Performance Metrics

90 °C Max Outlet Temp	-20 °C Min Ambient Temp	5 HP Horsepower
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System Features

Equipment Characteristics

- Flexible scroll type high-temperature compressor
- Intelligent digital smart throttle technology
- High-temperature superconducting heat system
- High-efficiency brazing heat exchanger
- PLC precise connection electronic expansion valve
- Condensing pressure balance valve
- Environmental protection type high-temperature heat carrier
- Compact design with low noise operation

Applications

Suitable Applications

Textile Industry • Printing & Dyeing • Factory Heating • Military Industry • Steam Line Systems • Ironing Facilities • Medical Sterilization