

GreenCore

CLIMATE SOLUTIONS

**SJS - LR HEAT
PUMP UNITS SERIES**

**SJS RSG- HIGH TEMP
HEAT PUMP UNITS SERIES**



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HOT WATER UNITS /

WATER SOURCE HEAT PUMP UNITS

HIGH TEMPERATURE WATER SOURCE HEAT P U M P UNIT

Performance Characteristics

■ COOLING AND HEATING

ONE MACHINE FOR MULTIPLE USES

It can provide cooling capacity continuously while heating, which is more convenient to use, occupies a smaller area and has a lower investment cost.

■ HIGH EFFICIENCY AND ENERGY SAVING

SAVE 85% OF ELECTRICITY

The comprehensive energy efficiency ratio of cooling and heating can reach up to 8.0, which saves 85% of electricity compared with the traditional combination.

■ HIGH TEMPERATURE WATER OUTLET

WIDE RANGE OF USES

The hot water outlet is up to 98°C (R1234ze(E)), and it can also provide low temperature chilled water at a minimum of 5°C, which is suitable for various occasions with hot and cold needs.

■ SAFE AND RELIABLE

DURABLE

It does not directly contact the heating medium, fundamentally eliminating safety hazards such as flammability, explosion, leakage, etc., and has a service life of more than 15 years.



Application Places

Slaughterhouses, catering places, breweries, dairy industry, medicine, industry, etc.

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HOT WATER UNITS /

WATER SOURCE HEAT PUMP UNITS

HIGH TEMPERATURE WATER SOURCE HEAT P U M P UNIT

Model				SJS-15G/IIRSGd	SJS-25G/IIRSGd	SJS-50G/IIRSGd
Nominal operating conditions		Heating Capacity	kW	49.1	78.4	157.1
		Input Power	kW	12.0	19.3	38.5
		COP	W/W	4.10	4.06	4.08
High temperature operating conditions		Heating capacity	kW	50.6	80.0	160.1
		Input power	kW	14.4	23.0	45.8
		COP	W/W	3.52	3.48	3.50
Power Supply Specifications				380V/3N~50Hz		
Maximum input power			kW	19	30	60
Maximum input current			A	36	58	115
Anti-electric shock protection type				Class I		
Protection level				IPX4		
Source side water outlet temp. range			℃	-5~50		
Use side water outlet temp. range			℃	35~98		
Refrigerant				R1234ze(E)		
Air heat exchanger				High-efficiency plate heat exchanger		
water heat exchanger				Plate heat exchanger/ Double pipes heat exchanger	Shell and tube heat exvhanger	
Water system	Source side	Water flow	m³/h	4.0	6.4	12.7
		Pipe connection		DN40	DN40	DN50
		Water pressure drop	kPa	≤50		
	Source side	Water flow	m³/h	5.3	8.4	16.9
		Pipe connection		DN40	DN50	DN65
		Water pressure drop	kPa	≤50		
Dimensions (Length*width*height)			mm	1110*710*740	1500*1000*865	2010*1165*1055
Noise			dB(A)	≤52	≤55	≤65
weight			kg	245	380	735

- Nominal working condition: Inlet/outlet water temperature on the heat source side is 48°C/40°C, and inlet/outlet water temperature on the use side is 72°C/80°C.
- High temperature working condition: Inlet/outlet water temperature on the heat source side is 53°C/45°C, and inlet/outlet water temperature on the use side is 82°C/90°C.
- Specifications are subject to change with product improvements, please refer to the actual product.