

HIGH WATER TEMPERATURE HEAT PUMP

GENERAL

SUNDEZ high water temperature heat pump is especially designed for old houses with traditional radiator heating. The highest outlet water temperature can reach 70°C. It can also be for commercial use. It does not cost you highly to renovate your heating system with renewable energy. The design allows adaption all weather, and simple installation of free-standing, wall-mounted or on rooftop.



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The Eco-Solution



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FEATURES

- * Designed based on EN14511, using specific compressor and unique design to make water outlet temperature reach 70DegC without electric heater for traditional radiators, as well as anti-bacterium.
- * Enlarged double-wall hydrophilic fin-tube evaporator in the optimized system, operates at temperature down to -15DegC.
- * With 4-way-valve for automatic defrosting, ensured that the heat pump operation is more efficient and stable in winter.
- * All kinds of careful protections including anti-freezing, high/low pressure, over-current, phase-order etc. to make sure safe operation.
- * Using R417A environmental friendly refrigerant.



- With temperature compensation function, the hot water temperature set value automatically adjusts as outdoor temperature changes.
- Can work with indoor thermostat for house heating.
- With anti-freeze protection to run the circulation pump termly when the heat pump is standby, to make sure the water pipes won't freeze at low ambient temperature.
- With timer function to fit user's need.
- LED display panel with touch key.

		SDAW-080-BHT	SDAW-180-BSHT
Power Supply	V/Ph/Hz	220-240/1/50	380-400/3/50
Heating Capacity A7/W45	KW	7.8	17.8
Power input A7/W45	KW	2.2	5.1
Heating Capacity A7/W55	KW	7	14.5
Power input A7/W55	KW	2.6	5.3
Heating Capacity A-7/W45	KW	5	12
Power input A-7/W45	KW	2	5
Heating Capacity A-7/W55	KW	4.6	10.4
Power input A-7/W55	KW	2	4.7
Start Current	A	50	55
Max. Current	A	18	13
Refrigerant		R417A	R417A
Compressor		rotary	rotary
Condenser		coaxial coil	tube in shell
Max. Water Outlet Temp.	°C	70	70
Water Connection		1" F	1" F
Fan Quantity		1	2
Evaporator		Hydrophilic fin-tube	Hydrophilic fin-tube
Noise Level	dB(A)	≤ 53	≤ 57
Net Dimension	mm	924*404*966	1115*425*1260
Packing Dimension	mm	1010*480*1120	1200*500*1410
Net Weight	kg	95	125
Packing Weight	kg	105	145

SYSTEM DIAGRAM

Due to unique design making the refrigerant go through the Sub-cooler, the whole system has high COP and reliability.

