



Heat Pump

Joyful bath...



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Air Source Swimming Pool Heat Pump

Air source heat pump is meant for swimming pool heating & cooling. It applies titanium heat exchanger & heat pump technology which can move heat from atmosphere to pool water. It is helpful to get better performance in low temperature. Heat pumps are easy install & maintain. Standard capacity range available up to 200 kW; higher capacity available on specific request.

Higher COP > 5.5

Features

- Swimming Pool heating & cooling
- Hot water temperature range 10-40°C
- Energy saving up to 80%
- Environment friendly refrigerant
- Titanium heat exchanger
- Automatic controls
- Touch screen multi-functional controller
- Efficient scroll compressor
- High efficient shell & tube heat exchanger



Model		SC-W-210	SC-W-350	SC-W-500	SC-W-700	SC-W-1000	SC-W-2000
Power supply	V/Ph/Hz	415/3/50					
Ambient temperature	°C	-10 to 43°C					
Rated heating output	kW	21	35	50	70	100	200
Input power	kW	3.7	7.9	11.1	16.32	17	34
Heating range	°C	10-40					
Rated cooling output	kW	15.2	25	36	50.8	63.8	128.2
Rated input power	kW	4.62	7.8	11.25	15.87	16.2	34.2
Cooling range	°C	8-28					
Compressor		Copeland scroll					
Noise	dB(A)	≤ 56	≤ 61	≤ 63	≤ 65	≤ 68	≤ 78
Net weight	kg	116	215	235	395	482	964
Dimension (LWH)	mm	1050	1450	1450	2165	1850	1850
	mm	455	710	710	1130	1000	2000
	mm	1250	1060	1060	1520	1950	1950
Testing conditions	Heating	Inlet water 15°C/Outlet water 55°C (max.60°C)					
	Cooling	Dry bulb / Wet bulb temperature 20°C/15°C					

Higher COP > 4.5



Air Source Heat Pump for Sanitary Hot Water

Air source heat pump is meant for sanitary hot water for commercial use, such as Hotels, Hospitals, Restaurants, Schools, Hostels, Resorts, etc. It is helpful to get better performance in low temperature. Heat pump can be easily connected with existing solar water system. Commercial air source heat pumps are very easy to install & maintain. Standard capacity range available up to 200 kW; higher capacity available on specific request.

Features

- Hot water temperature 60°C
- Energy saving up to 75%
- Environment friendly refrigerant
- Automatic controls
- Touch screen multi-functional controller
- Efficient scroll compressor
- High efficient shell & tube heat exchanger
- U, V & X shape design

Model		SC-H-200	SC-H-350	SC-H-500	SC-H-800V	SC-H-1000V	SC-H-1250V	SC-H-1650V
Power supply	V/Ph/Hz	415/3/50						
Ambient temperature	°C	-10 to 46°C						
Rated heating output	kW	19.6	35	50	76	95	125	165
Rated hot water output	L/h	421	752	1075	1634	2042	2687	3547
Input power	kW	4.45	7.92	11.36	17.27	23.8	28.9	38.10
Rated water outlet temperature	°C	55						
Max. water outlet temperature	°C	60						
Compressor		Copeland scroll						
Heat exchanger		Shell & tube						
Rated water flow rate	m ³ /h	3.37	6.00	8.60	13.00	16.34	21.5	28.4
Noise	dB(A)	≤ 58	≤ 65	≤ 66	≤ 68	≤ 72	≤ 74	≤ 78
Dimension (LWH)	mm	740	1450	1580	1850	2000	2050	2050
	mm	740	740	850	1000	1100	1000	2000
	mm	1070	1150	1200	1950	2080	1980	1980
Net weight	kg	145	270	315	482	582	840	1230
Testing conditions		Inlet water 15°C/Outlet water 55°C (max.60°C) Dry bulb/Wet bulb temperature 20°C/15°C						

KASU ELECTRICALS (P)LTD.

COIMBATORE - 641 005. Phone : 98422 15632
E-mail : mail@sunheaters.in website : www.sunheaters.in

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