

Air Source Heat Pump - Model SCAR-___-GB, Swimming Pool Water Heating Only

Product Description

- Base Frame and external panel made of polyester powder coated steel.
- Extremely compact structure, easy demountable for access
- High efficiency compressor with R410A refrigerant
- Reverse cycle valve
- Intelligent controller and adjustment by quickmind microprocessor with possibility of remote control

- Careful protection functions such as high pressure, low pressure, overheating, overload, antifreezing, phase order, discharge temp., etc.
- Water side equipped with efficient tube in tube heat exchanger.
- Air heat exchanger (Fin Coil) with hydrophilic coating or copper fin
- Automatic defrosting function include
- Thermostatic expansion valve
- General testing an operational test carried out for every unit before package in factory.

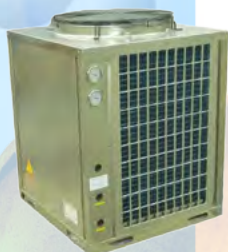
PERFORMANCE DATA

MODEL	SCAR-___-GB	012	020	024	040	048	060	080	100	
Rated heating capacity	BTUH	40,263	66,878	80,185	133,756	160,712	200,634	267,512	321,424	
	Tons	3.36	5.57	6.68	11.15	13.39	16.72	22.29	26.79	
	WATT	11,800	19,600	23,500	39,200	47,100	58,800	78,400	94,200	
Hot water supply	T/h									
Heating input power	WATT	2,260	3,700	4,500	7,400	9,000	11,000	15,100	18,500	
Rated heating input current	Amp.	9.8	6.7	7.3	13.4	14.6	20.1	26.8	29.2	
COP		5.2	5.3	5.2	5.2	5.2	5.3	5.2	5.2	
Max running current	Amp.	17.1	12.0	13.0	24.0	26.0	36.0	48.0	52.0	
Power Supply	V/P/Hz	220/3/50 415-440V / 3P / 50-60Hz								
Noise level	dB(A)	51	53	56	60	65	66	68	68	
Dimension	Width	mm.	670	810	1450	1450	1450	1700	2006	2206
	Height	mm.	635	780	640	780	780	900	1030	1030
	Depth	mm.	830	1050	1050	1050	1200	1250	2090	2090
Weight	KGS.	115	135	145	280	305	480	610	720	
Throttle type		Electronic expansion valves/thermostatic expansion valves								
Refrigerant	Type	R410A, R407C, R22								
Compressor	Type	Rotary / Scroll								
	Quantity	PC	1	1	1	2	2	3	4	4
	Safety functions		Overheating protection, phase protection, under-voltage protection, delay-start protection and so on							
Heat source side	Type	Finned heat exchanger								
	Water Resistance	WATT	100	300	600	600	600	900	1500	1500
Hot water side	Type	High efficient titanium tube heat exchanger								
	Water flow	m ³ /H	2.54	4.21	5.05	8.43	10.12	12.64	16.85	20.25
	Water pressure	kPa	20	25	30	26	28	40	30	32
	pipe size	Inch.	1-1/2	2	2	2-1/2	2-1/2	3	3	3
Max. working pressure	kPa	600	600	600	600	600	600	600	600	

NOTES:

- Rated heating working condition: Air source air inlet dry bulb temperature is 19 Deg. C.
- Water side temperature is 28 Deg. C., outlet temperature is 32 Deg. C.

Product Gallery



SCAR-12-20-24-GB



SCAR-40-48-60-GB



SCAR-80-100-GB

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.