

Air Source Heat Pump - Model SCAW-___-RB, Cooling, Heating of Air Conditioning

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
- 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 heating element for evaporator anti-freezing protection.
- Thermostatic expansion valve
- General testing an operational test carried out for every unit before package in factory.

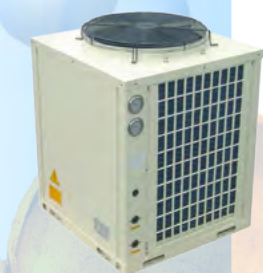
PERFORMANCE DATA

MODEL		SCAW-___-RB	008	009	012	015	018	025	030	040	056
Cooling	Capacity	BTUH	25,523	28,798	41,253	50,158	59,371	82,540	100,351	118,743	165,045
		Tons	2.13	2.40	3.44	4.18	4.95	6.88	8.36	9.90	13.75
	Rated Power	WATT	7,480	8,440	12,090	14,700	17,400	24,190	29,410	34,800	48,370
		Rated Current	Amp.	13.2	14.8	8.7	10.8	13.0	17.4	20.7	26.1
Heating	Capacity	BTUH	31,392	35,418	50,739	61,692	73,020	101,511	123,417	146,040	202,988
		Tons	2.62	2.95	4.23	5.14	6.08	8.46	10.28	12.17	16.92
	Rated Power	WATT	9,200	10,380	14,870	18,080	21,400	29,750	36,170	42,800	59,490
		Rated Current	Amp.	12.9	14.5	8.5	10.5	12.8	17.0	20.3	25.6
Max. Rated Current		Amp.	19.2	21.5	13.9	17.2	20.9	27.8	33.2	41.7	55.7
Power Supply		V/P/Hz	220/3/50			415-440V / 3P / 50-60Hz					
Noise level		dB(A)	53	53	55	55	60	63	66	68	68
Dimension	Width	mm.	680	810	810	810	1,450	1,450	1,450	1,700	1,700
	Height	mm.	635	780	780	780	780	780	780	900	900
	Depth	mm.	830	1,050	1,050	1,050	1,050	1,050	1,253	1,215	1,215
Operating Range		Deg. C	-10 - 43 Deg. C								
Throttle type		Electronic expansion valves/thermostatic expansion valves									
Refrigerant		Type	R410A								
Compressor	Type	Rotary / Scroll									
	Quantity	PC	1	1	1	1	2	2	2	4	4
	Safety functions	Built in protection evices overheating protection, sequence protection, under voltage protection, delay protection									
Air source heat exchanger	Type	Finned heat exchanger									
	Quantity		1	1	1	1	1	2	2	2	2
	Fan type	Axial big twist angle fan									
	Motor power	WATT	100	180	300	300	600	600	600	1,500	1,500
Hot water side heat exchanger	Type	Efficient tube in tube heat exchanger									
	Water flow (Summer)	m ³ /H	1.29	1.45	2.08	2.53	2.99	4.16	5.06	5.99	8.32
	Water flow (Winter)	m ³ /H	1.58	1.79	2.56	3.11	3.68	5.12	6.22	7.36	10.23
	Water pressure	kPa	27	29	30	32	34	36	40	46	48
	pipe size	inch.	3/4	1	1	1	1	1-1/4	1-1/2	2	2
Max. working pressure		kPa	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

NOTES:

- Rated cooling working condition: Air inlet temperature is 35 Deg. C, Water temperature is 12 Deg. C, Outlet temperature is 7 Deg. C
- Rated heating working condition: Air inlet dry bulb temperature is 7 Deg. C, Wet bulb temperature is 6 Deg. C, Water inlet temperature is 40 Deg. C, Outlet temperature is 45 Deg. C

Product Gallery



SCAW-12-20-25-RB



SCAW-40-60-RB



SCAW-80-100-RB

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- Thermostatic expansion valve
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PERFORMANCE DATA

MODEL		SCAW-__-GB	066	132	198	264	331	397	463	530	
Cooling	Capacity	BTUH	225,884	451,768	677,651	903,535	1,129,419	1,355,303	1,581,186	1,807,070	
		Tons	18.82	37.65	56.47	75.29	94.12	112.94	131.77	150.59	
		WATT	66,200	132,400	198,600	264,800	331,000	397,200	463,400	529,600	
	Rated Power	WATT	22,400	44,800	67,200	89,600	121,200	134,400	156,800	179,200	
	Rated Current	Amp.	41.0	82.0	123.0	164.0	205.0	246.0	287.0	328.0	
Heating	Capacity	BTUH	241,580	483,159	724,739	966,318	1,207,898	1,449,478	1,691,057	1,932,637	
		Tons	20.13	40.26	60.39	80.53	100.66	120.79	140.92	161.05	
		WATT	70,800	141,600	212,400	283,200	354,000	424,800	495,600	566,400	
	Rated Power	WATT	22,000	44,000	66,000	88,000	110,000	132,000	154,000	176,000	
	Rated Current	Amp.	40.0	80.0	120.0	160.0	200.0	240.0	280.0	320.0	
Max. Rated Current	Amp.	54.0	108.0	162.0	216.0	270.0	324.0	378.0	432.0		
Power Supply	V/P/Hz	415-440V / 3P / 50-60Hz									
Noise level			68	71	74	77	79	81	84	85	
Dimension	Width	mm.	2,205	2,205	2,205	2,205	2,205	2,205	2,205	2,205	
	Height	mm.	1,110	2,140	3,170	4,200	5,230	6,260	7,290	8,320	
	Depth	mm.	2,090	2,090	2,090	2,090	2,090	2,090	2,090	2,090	
Operating Range	Deg. C	-10 - 43 Deg. C									
Throttle type		Electronic expansion valves/thermostatic expansion valves									
Refrigerant	Type	R410A									
Compressor	Type	Scroll									
	Safety functions	Built in protection evic overheating protection, sequence protection, under voltage protection, delay protection									
Air source heat exchanger	Type	Finned heat exchanger									
	Fan type	Axial big twist angle fan									
Hot water side heat exchanger	Type	Shell and tube heat exchanger									
	Water flow (Summer)	m ³ /H	11.38	22.77	34.15	45.54	56.92	68.31	79.69	91.07	
	Water flow (Winter)	m ³ /H	12.18	24.35	36.53	48.70	60.88	73.05	85.23	97.40	
	Water pressure Drop	kPa	30 - 70								
	pipe size	inch.	4	4	4	5	5	5	6	6	
Max. working pressure	kPa	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	

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