

Heat Pump Series

Air Source Model Description

SCAR-___-XB, Hot Water Only (60 Deg. C)

SCAR-___-HB, Hot Water Only (70 Deg. C)

SCAR-___-GB, Swimming Pool Water Heating Only

SCAM-___-XB, Hot Water, Cooling, Heating of Air Conditioning

SCAW-___-RB, Cooling, Heating of Air Conditioning



Features/Benefits

- R410A Chlorine-free refrigerant
- High-efficient scroll compressor
- Base frame and external panels made of polyester powder coated steel.
- Reverse cycle valve.
- Compact structure and sound control design.
- Top and side maintenance access.
- Intelligent controller and adjustment by quick mind microprocessor with possibility or remote control
- Careful protection functions such as high pressure, low pressure, over heating, overload, anti-freezing, phase order, discharge temperature etc
- Water side equipped with efficient tube in tube heat exchanger.
- Air exchanger with hydrophilic coating fin or copper fin
- Automatic defrosting function
- General testing and operational test carried out for every unit before package in the factory.

Special advantages

High Efficiency and Energy Saving

Seacon water heater adopts heat pump technology to produce heat from energy absorb in the air. It produces 400% output energy compared to a standard electric heater. For common electric heater, the output energy is around 95% and for gas heater it is around 60%-80% as compared to the input energy. It can save a high electricity cost when running a heat pump.

Comfortable

Heat pumps supply hot water in large capacity and it will not be affected by any weather changes. It can be used for 24 hours a day. Seacon heat pumps are equipped with precise temperature control systems and it can ensure a constant temperature in bath processes.

Environmental Friendly

Seacon heat pump water heater uses either/or of the three clean energy of solar, air heat and electric energy. It does not use oil, coal, gas and other fossil fuels that can cause environmental pollution. During the process, there is no emission of harmful gas. Therefore, users can bath in an enclosed space without the need to worry about health issues.

Safe and Reliable

Seacon heat pump water heaters use electricity but not electric heater to operate. Water and electricity are totally isolated to ensure safe usage. It will not cause any electric shock, flammable or poisonous gas. It is a safe and reliable hot water supply equipment.

Long Operational Life

The main spare parts like compressor and four-way valves are from world famous companies. Combined with perfect producing technology and strict quality control, Seacon unit performance is definitely a reliable guarantee and it has a long operational life.

Easy to Install

Seacon heat pump has a simple installation process. It is free from environmental constraints. It can be installed on the roof, balcony, garage, kitchen, storage rooms, basements, oil rig, Barges and other places. It does not require any particular care or any special room to set up.

Intelligent Operation

Seacon units are designed with a variety of protective measures including automatic anti-freeze and defrost function.

Wide Application

Seacon SCAR series heat pump carries many models. It can meet a wide range of demands of families, factories, schools, hotels, restaurants, hospitals, beauty salons, laundries, baths oil rig, Barges and others. It can provide users with a steady high temperature hot water stream.

Branded components

Compressor

America Copeland and Japanese Sanyo scroll compressor, special designed for heat pump, with high efficiency and stable running.



Throttle Expansion Valve

Mature thermostatic expansion valve, mechanism structure and no electric engine



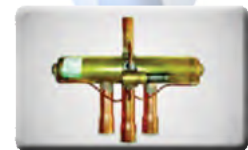
Water Temperature Control Valve

Japanese thermostatic water valve, no electric engine and ensured the reliable system running.



Four Way Directional Control Valve

Japan Saginomiya four way control valve, flexible direction control, no back flow and block



Tube in Tube Heat Exchanger

Spiral tube in tube heat exchanger special for heat pump, and material of molybdenum-bearing finish rolling seamless steel tube



Fan and Motor

Big diameter low rotation speed fan and motor, improved efficiency and lowered sound



Evaporator

Internal thread copper tube casing, antiseptic hydrophilic aluminum fin or copper fin



Control Panel

Control system from America Group M. with soberly logical and good looking.



Air Source Heat Pump - Model SCAR-___-XB, Hot Water Only (60 Deg. C)

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-___-XB	005	008	012	016	020	
Rated heating capacity	BTUH	16,481	24,226	37,534	51,182	64,831	
	TONS	1.37	2.02	3.13	4.27	5.40	
	WATT	4,830	7,100	11,000	15,000	19,000	
Hot water supply	T/h	0.1	0.15	0.23	0.3	0.41	
Heating input power	WATT	1,150	1,700	2,340	3,400	4,100	
Rated heating input current	Amp.	4.71	7.11	10.10	14.75	17.80	
COP		4.2	4.18	4.6	4.4	4.63	
Output water temperature	Deg. C	60 Deg. C					
Power Supply	V/P/Hz	220V / 1P / 50-60Hz			220 / 1P / 50-60Hz		
		415-440V / 3P / 50-60Hz					
Noise level	dB(A)	48	50	53	53	55	
Dimension	Width	mm.	930	1000	680	810	810
	Height	mm.	280	300	680	780	780
	Depth	mm.	550	620	830	1,050	1,050
Weight	KGS.	75	85	120	150	155	
Working temperature range	Deg. C	-20 Deg. C - 43 Deg. C					
Water temp control precise	Deg. C	± 1 Deg. C					
Throttle type		Electronic expansion valves/thermostatic expansion valves					
Refrigerant	Type	R410A, R407C, R22					
Compressor	Type	Rotary			Hermetically sealed scroll		
	Quantity	PC	1	1	1	1	1
	Safety functions		Overheating protection, phase protection, under-voltage protection, delay-start protection and so on				
Air source heat exchanger	Type	Finned heat exchanger					
	Quantity		1	1	1	1	1
	Fan type		Axial big twist Angle fan				
	Motor power	WATT	40	50	100	200	300
Hot water side heat exchanger	Type	High efficient spiral tube in tube heat exchanger					
	Water flow	m ³ /H	0.84	1.22	1.86	2.44	3.27
	Water pressure	kPa	20	20	27	29	30
	pipe size	DN	20	20	20	25	25
Max. working pressure	kPa	1,000	1,000	1,000	1,000	1,000	
Advised water tank	m ³	0.15-0.5	0.25-0.7	1.2-1.8	1.5-2.5	2.5-3.5	

NOTES:

- Standard heating conditions:
Air side dry bulb temperature is 20Deg. C. wet bulb temperature is 15Deg. C. initial water temperature 15Deg. C. output water temperature 55Deg. C
- Manufacturer tested noise level showed above, are in laboratory. The noise level of installed unit could be different with above data due to the surrounding conditions.
- Manufacturer have the right to change the technical data due to technical improvement

Product Gallery



SCAR-05-08-XB



SCAR-12-16-20-24-28-XB



SCAR-12-20-25-XB



SCAR-40-60-80-100-XB

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

Air Source Heat Pump - Model SCAR-___-XB, Hot Water Only (60 Deg. C)

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-___-XB	024	028	040	060	080	100	
Rated heating capacity	BTUH	78,479	92,469	129,661	194,833	259,323	324,153	
	Tons	6.54	7.71	10.81	16.24	21.61	27.01	
	WATT	23,000	27,100	38,000	57,100	76,000	95,000	
Hot water supply	T/h	0.46	0.58	0.82	1.23	1.63	2.04	
Heating input power	WATT	4,680	5,900	8,200	12,200	16,200	20,500	
Rated heating input current	Amp.	9.50	11.00	13.34	19.99	26.51	33.10	
COP		4.7	4.59	4.64	4.68	4.69	4.63	
Max running current	Amp.	14.5	16	24	36	48	52	
Output water temperature	Deg. C	60 Deg. C						
Power Supply	V/P/Hz	415-440V / 3P / 50-60Hz						
Noise level	dB(A)	55	60	63	66	68	68	
Dimension	Width	mm.	810	880	1,450	1,900	1,700	1,800
	Height	mm.	780	780	780	1010	900	1,010
	Depth	mm.	1,050	1,050	1,050	1,050	1,215	1,215
Weight	KGS.	175	225	280	440	520	580	
Working temperature range	Deg. C	-20 Deg. C - 43 Deg. C						
Water temp control precise	Deg. C	± 1 Deg. C						
Throttle type		Electronic expansion valves/thermostatic expansion valves						
Refrigerant	Type	R410A, R407C, R22						
Compressor	Type	Hermetically sealed scroll						
	Quantity	PC	1	1	2	3	4	4
	Safety functions		Overheating protection, phase protection, under-voltage protection, delay-start protection and so on					
Air source heat exchanger	Type	Finned heat exchanger						
	Quantity		1	1	2	2	2	2
	Fan type		Axial big twist Angle fan					
	Motor power	WATT	370	370	600	1,200	1,500	1,500
Hot water side heat exchanger	Type	High efficient spiral tube in tube heat exchanger						
	Water flow	m ³ /H	3.72	4.66	6.53	9.81	13.07	16.3
	Water pressure	kPa	32	34	36	42	46	48
	pipe size	DN	25	25	32	40	50	50
Max. working pressure	kPa	1,000	1,000	1,000	1,000	1,000	1,000	
Advised water tank	m ³	2.5-4	3.5-5	5-7	8-10	12-14	15-20	

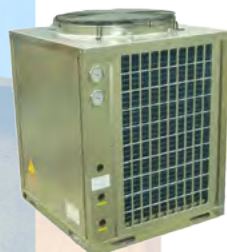
NOTES:

- Standard heating conditions: Air side dry bulb temperature is 20Deg. C. wet bulb temperature is 15Deg. C. initial water temperature 15Deg. C. output water temperature 55Deg. C
- Manufacturer tested noise level showed above, are in laboratory. The noise level of installed unit could be different with above data due to the surrounding conditions.
- Manufacturer have the right to change the technical data due to technical improvement

Product Gallery



SCAR-05-08-XB



SCAR-12-16-20-24-28-XB



SCAR-12-20-25-XB



SCAR-40-60-80-100-XB

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

Air Source Heat Pump - Model SCAR-___-HB, Hot Water Only (70 Deg. C)

Product Description

- New compressor special designed for high water temperature.
- Base Frame and external panel made of polyester powder coated steel.
- Water side equipped with efficient tube in tube heat exchanger.
- Reliable compressor with R417A refrigerant.
- Flow switch for water flow protection.
- 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.
- 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.

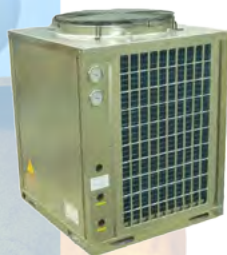
PERFORMANCE DATA

MODEL	SCAR-___-HB	012	020	025	040	050	080	
Rated heating capacity	BTUH	27,297	45,723	54,935	90,763	109,189	180,843	
	Tons	2.27	3.81	4.58	7.56	9.10	15.07	
	WATT	8,000	13,400	16,100	26,600	32,000	53,000	
Hot water supply	T/h							
Heating input power	WATT	2,500	4,150	4,850	8,300	9,700	16,500	
Rated heating input current	Amp.	12.3	7.60	8.90	15.20	17.80	30.40	
COP	KW/KW	3.2	3.2	3.3	3.2	3.3	3.2	
Max running current	Amp.	17.10	12.00	13.00	24.00	26.00	48.00	
Output water temperature	Deg. C	70 Deg. C						
Power Supply	V/P/Hz	220/1/50-60 415-440V / 3P / 50-60Hz						
Noise level	dB(A)	53	58	61	63	64	68	
Dimension	Width	mm.	680	810	810	1450	1450	1700
	Height	mm.	635	780	780	780	780	900
	Depth	mm.	820	1050	1050	1050	1200	1250
Weight	KGS.	115	145	155	80	320	570	
Working temperature range	Deg. C	-10 Deg. C - 43 Deg. C						
Water temp control precise	Deg. C	± 1 Deg. C						
Throttle type		Electronic expansion valves/Thermostatic expansion valves						
Refrigerant	Type	R417A						
Compressor	Type	Rotary / Scroll						
	Quantity	PC	1	1	1	2	2	4
	Safety functions		Overheating protection, phase protection, under-voltage protection, delay-start protection and so on					
Air source heat exchanger	Type	Finned heat exchanger						
	Fan type		Axial big twist Angle fan					
	Motor power	WATT	200	300	500	600	600	1500
Hot water side heat exchanger	Type	High efficient tube in tube heat exchanger						
	Water flow	m ³ /H	1.38	2.3	2.77	4.57	5.5	9.11
	Water pressure	kPa	14	18	21	20	23	25
	pipe size	Inch.	3/4	1	1	1-1/4	1-1/4	2
Max. working pressure	kPa	1,000	1,000	1,000	1,000	1,000	1,000	

NOTES:

- Rated hot water working condition: Air source air inlet dry air bulb temperature is 20 Deg. C, Wet bulb temperature is 15 Deg. C.
- Initial temperature of hot water is 20 Deg. C, Termination temperature of hot water is 70 Deg. C

Product Gallery



SCAR-12-25-HB



SCAR-40-50-80-HB

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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 and operational test carried out for every unit before package in factory.

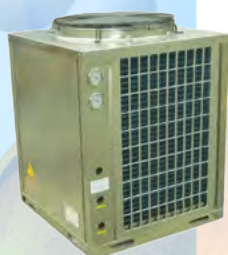
PERFORMANCE DATA

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.

Air Source Heat Pump - Model SCAM-___-XB, Hot Water, Cooling, Heating of Air Conditioning

PERFORMANCE DATA

MODEL		SCAM-___-XB	012	020	024	040	060	080	100
Water Heater	Rated heating capacity	BTUH	37,534	64,831	75,067	129,661	194,492	259,323	307,093
		Tons	3.13	5.40	6.26	10.81	16.21	21.61	25.59
		WATT	11,000	19,000	22,000	38,000	57,000	76,000	90,000
	Hot water supply	T/h	0.24	0.41	0.48	0.82	1.23	1.63	1.94
	Heating input power	WATT	2,440	4,070	4,880	8,150	12,220	16,740	18,660
	Rated heating input current	Amp.	11.23	17.76	22.46	15.53	23.28	31.89	34.87
	COP	4.51	4.67	4.51	4.66	4.66	4.54	4.82	
Water Chiller	Rated cooling capacity	BTUH	25,386	42,311	50,773	84,621	126,898	169,242	225,884
		Tons	2.12	3.53	4.23	7.05	10.57	14.10	18.82
		WATT	7,440	12,400	14,880	24,800	37,190	49,600	66,200
	Water flow	m ³ /H	1.28	2.13	2.56	4.27	6.40	8.53	11.39
	Input power	WATT	2,580	4,300	5,160	8,600	12,960	17,300	22,400
	Rated input current	Amp.	11.87	17.60	23.75	15.20	22.80	30.40	41.00
	EER	2.88	2.88	2.88	2.88	2.87	2.87	2.96	
Heating for A/C	Rated Heating capacity	BTUH	27,024	45,040	54,048	90,081	135,087	180,161	241,580
		Tons	2.25	3.75	4.50	7.51	11.26	15.01	20.13
		WATT	7,920	13,200	15,840	26,400	39,590	52,800	70,800
	Water flow	m ³ /H	1.36	2.27	2.72	4.54	6.81	9.08	12.18
	Input power	WATT	2.4	4.00	4.80	8.00	11.97	16.00	22.00
	Rated input current	Amp.	11.05	7.60	22.09	15.20	22.80	30.40	40.00
	COP	KW/KW	3.30	3.30	3.30	3.30	3.31	3.30	3.22
Chiller and Water Heater	Rated cooling capacity	BTUH	26,615	44,358	53,229	88,374	132,732	177,090	208,823
		Tons	2.22	3.70	4.44	7.36	11.06	14.76	17.40
		WATT	7,800	13,000	15,600	25,900	38,900	51,900	61,200
	Water flow	m ³ /H	1.34	2.24	2.68	4.45	6.69	8.93	10.53
	Heating capacity	WATT	10,500	16,500	21,000	33,000	49,500	66,000	77,600
	Heating Water flow	T/h	1.81	2.84	3.61	5.68	8.51	11.35	13.35
	Input power	WATT	2,300	3,700	4,600	7,400	11,170	14,900	17,300
	Rated input current	Amp.	10.59	7.10	21.17	14.2	21.28	28.40	32.00
		EER + COP	7.96	7.97	7.96	7.96	7.91	7.91	8.02
Rated Outlet Temperature	Deg. C	55 Deg. C							
Max. Outlet Temperature	Deg. C	60 Deg. C							
Power Supply	V/P/Hz	220/1/50-60	415-440/3/50-60	220/1/50-60	415-440/3/50-60				
Noise level	dB(A)	50	55	55	55	58	60	60	
Dimension	Width	mm.	710	810	1300	1450	1900	2005	2205
	Height	mm.	710	780	640	780	1010	1030	1030
	Depth	mm.	810	1010	740	1010	1160	2090	2090
Weight	KGS.	110	175	220	340	610	830	930	
Throttle type		Electronic expansion valves/thermostatic expansion valves							
Refrigerant	Type	R410A							
Compressor	Type	Rotary / Scroll							
	Quantity	PC	1	1	1	1	1	1	1
	Safety functions		Overheating protection, phase protection, under-voltage protection, delay-start protection and so on						
Air source heat exchanger	Type	Finned heat exchanger							
	Quantity		1	1	1	1	1	1	1
	Fan type		Axial big twist Angle fan						
	Motor power	WATT	200	300	370	600	1200	1500	1500
Hot water side heat exchanger	Type	High efficient tube in tube heat exchanger							
	Water flow	m ³ /H	1.89	3.27	3.78	6.54	9.80	13.07	15.48
	Water pressure	kPa	27	32	30	36	42	46	48
	pipe size	inch.	3/4	1	1	1-1/4	1-1/2	2	2
	Max. working pressure	kPa	1000	1000	1000	1000	1000	1000	1000
Air condition side heat exchanger	Type	High efficient plate heat exchanger				High efficient tube in tube heat exchanger			
	Water flow	m ³ /H	1.34	2.24	2.68	4.45	6.69	8.93	10.53
	Water pressure	kPa	12	13	12	15	40	45	47
	pipe size	inch.	3/4	1	1	1-1/4	1-1/2	2	2
	Max. working pressure	kPa	1000	1000	1000	1000	1000	1000	1000

Product Gallery



SCAM-12-20-24-XB



SCAM-40-60-XB



SCAM-80-100-XB

NOTES:

- Rated hot water working condition: Air source side air inlet dry bulb temperature is 20 Deg. C, Wet bulb temperature is 15 Deg. C. Initial temperature of hot water is 15 Deg. C. termination temperature of hot water is 55 Deg. C
- Rated cooling working condition: Air source side air inlet temperature is 35 Deg. C, Use side water inlet temperature is 12 Deg. C, outlet temperature is 7 Deg. C
- Rated heating working condition: Air source side air inlet dry bulb temperature is 7 Deg. C, Wet bulb temperature is 6 Deg. C, Use side water inlet temperature is 40 Deg. C, outlet temperature is 45 Deg. C
- Cooling with heating working condition: Initial temperature of hot water is 15 Deg. C. Termination temperature of hot water is 55 Deg. C. Air condition water side water inlet temperature is 12 Deg. C, outlet temperature is 7 Deg. C.

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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-__-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	

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: Sir inlet dry bulb temperature is 7 Deg. C, Wet bulb temperature is 6 Deg. C, Water inlet temperature is 40 Deg. C, Outler temperature is 45 Deg. C

Product Gallery



SCAW-12-20-25-RB



SCAW-40-60-RB



SCAW-80-100-RB

SPECIFICATIONS AND DESIGN ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.