

Sheen EVO 2.0

Capacity from 7 to 30 tons. Preliminary data

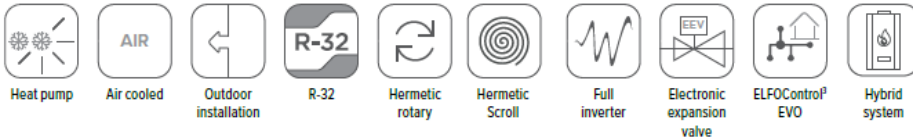
Available from November 2024.

Air-cooled Heat Pump with inverter rotary/scroll compressors

- Full inverter technology
- Refrigerant R32 – GWP = 675
- Hot water up to 140F, chiller water down to 32 F, operation down to -4F
- Two acoustic levels: standard and super silenced
- Available with a condensing boiler for instant DHW production
- Power supply 230V. Power supply 460, 575 V coming in 2025



functions and features



versions and configurations

TYPE OF FANS:

VEND DC high efficiency fan (Standard)

ACOUSTIC CONFIGURATION:

SC Acoustic configuration with compressor soundproofing (Standard)
EN Super-silenced acoustic configuration

accessories

HYG1 Hydronic assembly with 1 ON/OFF pump
HYGU1V User side hydronic group with 1 inverter pump
ACC Storage tank
IFWX Steel mesh strainer on the water side
AVIBX Anti-vibration mount support
IFWI Steel mesh strainer on the water side include in the packaging

REMAUX Advanced remote control module for auxiliary controls of sheen/storm units
AMMSX Anti-seismic spring antivibration mounts
AVIBI Anti-vibration mount support
PGFC Finned coil protection grill
PGFCX Finned coil protection grill
VACS DHW switching valve

Imperial data will be available soon.

technical data

Size

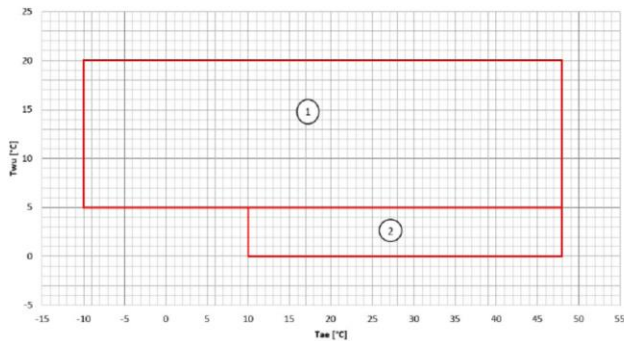
SC-EXC	♦ Cooling capacity (EN 14511:2018)	(1)	kW	24,0	26,6	30,2	43,8	49,6	57,2	70,0	81,6
SC-EXC	Total power input (EN 14511:2018)	(1)	kW	7,49	9,08	10,5	14,1	16,3	20,0	22,9	28,1
SC-EXC	EER (EN 14511:2018)	(1)	-	3,20	2,93	2,86	3,11	3,04	2,84	3,05	2,90
SC-EXC	SEER	(4)	-	4,77	4,70	4,54	4,33	4,35	4,38	4,17	4,12
SC-EXC	η_{sc}	(4)	%	187,8	184,9	178,7	170,0	170,9	172,1	163,9	161,8
SC-EXC	♦ Heating capacity (EN 14511:2018)	(2)	kW	24,2	28,8	34,1	50,5	55,3	63,3	74,9	85,8
SC-EXC	Total power input (EN 14511:2018)	(2)	kW	7,28	8,81	10,7	14,2	15,9	19,2	20,2	24,1
SC-EXC	COP (EN 14511:2018)	(2)	-	3,33	3,28	3,20	3,55	3,49	3,31	3,71	3,56
SC-EXC	Refrigeration circuits		Nr					1			
SC-EXC	No. of compressors		Nr		1				2		
SC-EXC	Type of compressors		-				ROTARY INVERTER			SCROLL INVERTER	
SC-EXC	Refrigerant		-				R-32				
SC-EXC	Standard power supply		V				400/3~/50				
SC-EXC	Sound power level	(3)	dB(A)	73	74	75	75	76	78	78	81
EN-EXC	Sound power level	(3)	dB(A)	69	71	72	71	71	72	73	75
Directive ErP (Energy Related Products)											
SCOP - AVERAGE Climate - W35		(4)	-	4,54	4,49	4,44	4,46	4,46	4,41	4,39	4,34
η_{SP}		(4)	%	179,0	177,0	175,0	175,0	175,0	173,0	173,0	171,0

Size

SC-PRM	♦ Cooling capacity (EN14511:2018)	(1)	kW	25,2	27,6	32,2	45,7	52,1	60,7	74,3	86,2	94,2
SC-PRM	Total power input (EN14511:2018)	(1)	kW	8,34	10,1	11,8	15,4	18,1	22,0	25,5	31,5	35,8
SC-PRM	EER (EN14511:2018)	(1)	-	3,02	2,74	2,73	2,95	2,88	2,75	2,90	2,85	2,82
SC-PRM	SEER	(4)	-	4,50	4,40	4,24	4,04	4,09	4,07	3,96	3,91	3,87
SC-PRM	η_{sc}	(4)	%	177,0	173,0	166,6	158,5	160,6	159,8	155,4	153,4	151,8
SC-PRM	♦ Heating capacity (EN14511:2018)	(2)	kW	27,0	29,8	35,7	52,5	57,9	66,6	78,5	91,2	102
SC-PRM	Total power input (EN14511:2018)	(2)	kW	8,40	9,32	11,3	15,8	17,6	21,2	23,5	29,9	35,5
SC-PRM	COP (EN14511:2018)	(2)	-	3,21	3,20	3,15	3,33	3,29	3,14	3,34	3,05	2,88
SC-PRM	Refrigeration circuits		Nr					1				
SC-PRM	No. of compressors		Nr		1				2			
SC-PRM	Type of compressors		-				ROTARY INVERTER			SCROLL INVERTER		
SC-PRM	Refrigerant		-				R-32					
SC-PRM	Standard power supply		V				400/3~/50					
SC-PRM	Sound power level	(3)	dB(A)	75	76	77	77	78	80	80	83	83
EN-PRM	Sound power level	(3)	dB(A)	72	73	73	73	73	74	76	77	78
Directive ErP (Energy Related Products)												
SCOP - AVERAGE Climate - W35		(4)	-	4,29	4,23	4,11	4,22	4,19	4,17	4,12	4,08	4,13
η_{SP}		(4)	%	169,0	166,0	161,0	166,0	165,0	164,0	162,0	160,0	162,0

Operating range - Excellence

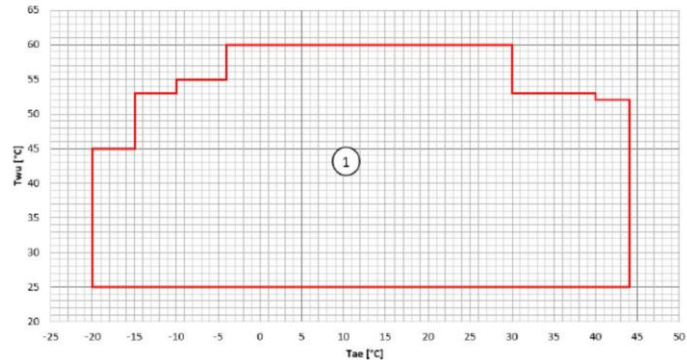
Cooling



T_{wl} [°C] = Leaving exchanger water temperature
 T_{ce} [°C] = External exchanger inlet air temperature

1. Normal operating range.
2. Operating range where the use of ethylene glycol is mandatory in relation to the temperature of the water at the outlet of the user side exchanger.

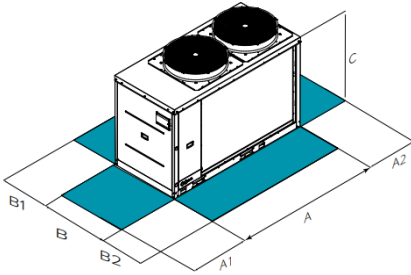
Heating / DHW production



T_{wl} [°C] = Leaving exchanger water temperature
 T_{ce} [°C] = External exchanger inlet air temperature

1. Normal operating range.

dimensions and clearances



CAUTION!

For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green areas.

Size		▶▶	WiSAN-YSE1	10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2
SC-EXC	A - Length	mm		1920	1920	1920	2274	2274	2274	3300	3300
SC-EXC	B - Width	mm		1005	1005	1005	1060	1060	1060	1100	1100
SC-EXC	C - Height	mm		1340	1340	1340	1480	1480	1480	1510	1510
SC-EXC	A1	mm		800	800	800	800	800	800	800	800
SC-EXC	A2	mm		800	800	800	800	800	800	800	800
SC-EXC	B1	mm		800	800	800	800	800	800	800	800
SC-EXC	B2	mm		800	800	800	800	800	800	800	800
SC-EXC	Operating weight	kg		298	298	298	530	530	530	830	830

Size		▶▶	WiSAN-YSE1	10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2	40.2
SC-PRM	A - Length	mm		1920	1920	1920	2274	2274	2274	3300	3300	3300
SC-PRM	B - Width	mm		1005	1005	1005	1060	1060	1060	1100	1100	1100
SC-PRM	C - Height	mm		1340	1340	1340	1480	1480	1480	1510	1510	1510
SC-PRM	A1	mm		800	800	800	800	800	800	800	800	800
SC-PRM	A2	mm		800	800	800	800	800	800	800	800	800
SC-PRM	B1	mm		800	800	800	800	800	800	800	800	800
SC-PRM	B2	mm		800	800	800	800	800	800	800	800	800
SC-PRM	Operating weight	kg		298	298	298	530	530	530	830	830	830

The above mentioned data are referred to standard units for the constructive configurations indicated. For all the other configurations, refer to the relative Technical Bulletin.