



SHEEN EVO 2.0

Reversible heat pump

Air cooled

Outdoor installation

Capacity from 24,1 to 128 kW

- ✓ Full inverter technology with scroll or rotary compressors
- ✓ High temperature solution for harsh climates
- ✓ Refrigerant R32 - GWP = 675
- ✓ Excellence version with very high seasonal efficiency, Premium version with high seasonal efficiency, with extremely compact dimensions
- ✓ Hot water up to 60°C, chilled water down to 0°C, operation at -20°C
- ✓ Two acoustic levels: standard and super-silenced
- ✓ Compatible with Control4 NRG, photovoltaic system, solar thermal system and Smart Grid
- ✓ Available in the Hybrid version in combination with a condensing boiler for instant DHW production



Clivet participates in the EUROVENT "Liquid Chilling Packages and Hydronic Heat Pumps". The products concerned feature on the website www.eurovent-certification.com



compliant
ErP

functions and features



Heat pump



AIR



Outdoor
installation



R-32



Hermetic
rotary



Hermetic
Scroll



Full
inverter



Electronic
expansion
valve

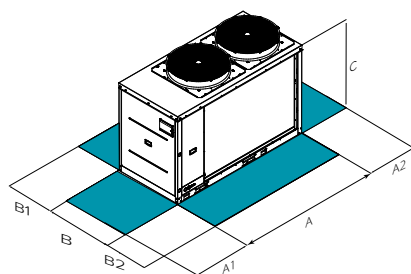


Control4 NRG
management



Hybrid
system

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	43.2	45.2
SC-EXC	A - Length	mm	1960	1960	1960	2304	2304	2304	3330	3330	3906	3906
SC-EXC	B - Width	mm	1005	1005	1005	1060	1060	1060	1100	1100	1184	1184
SC-EXC	C - Height	mm	1340	1340	1340	1480	1480	1480	1510	1510	1750	1750
SC-EXC	A1	mm	800	800	800	800	800	800	800	800	800	800
SC-EXC	A2	mm	800	800	800	800	800	800	800	800	800	800
SC-EXC	B1	mm	800	800	800	800	800	800	800	800	1300	1300
SC-EXC	B2	mm	800	800	800	800	800	800	800	800	1300	1300
SC-EXC	Operating weight	kg	323	323	323	500	500	500	830	830	1143	1143

Size		WiSAN-YSE1	10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2	40.2	45.2	50.2	55.2
SC-PRM	A - Length	mm	1960	1960	1960	2304	2304	2304	3330	3330	3330	2832	2832	2832
SC-PRM	B - Width	mm	1005	1005	1005	1060	1060	1060	1100	1100	1100	1184	1184	1184
SC-PRM	C - Height	mm	1340	1340	1340	1480	1480	1480	1510	1510	1510	1750	1750	1750
SC-PRM	A1	mm	800	800	800	800	800	800	800	800	800	800	800	800
SC-PRM	A2	mm	800	800	800	800	800	800	800	800	800	800	800	800
SC-PRM	B1	mm	800	800	800	800	800	800	800	800	800	1300	1300	1300
SC-PRM	B2	mm	800	800	800	800	800	800	800	800	800	1300	1300	1300
SC-PRM	Operating weight	kg	323	323	323	500	500	500	830	830	830	862	862	862

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.

versions and configurations

TYPE OF FANS:

VEND DC high efficiency fan (Standard)

ENERGY RECOVERY:

D Partial or total energy recovery (Size 43.2÷55.2)

ACOUSTIC CONFIGURATION:

SC Acoustic configuration with compressor soundproofing (Standard)

EN Super-silenced acoustic configuration

technical data

Size		►► WISAN-YSE1		10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2	43,2	45,2
SC-EXC	♦ Cooling capacity (EN 14511:2022)	(1)	kW	24,1	26,6	30,3	43,8	49,7	56,8	70,1	80,2	94,6	107
SC-EXC	Total power input (EN 14511:2022)	(1)	kW	7,50	9,11	10,6	14,1	16,4	19,9	22,9	28,0	30,4	34,8
SC-EXC	EER (EN 14511:2022)	(1)	-	3,21	2,93	2,87	3,10	3,03	2,85	3,06	2,86	3,12	3,06
SC-EXC	SEER	(4)	-	4,81	4,65	4,53	4,32	4,32	4,25	4,24	4,23	4,95	4,93
SC-EXC	$\eta_{s,c}$	(4)	%	189,4	183,0	178,2	169,8	169,8	167,0	166,6	166,2	195,0	194,2
SC-EXC	♦ Heating capacity (EN 14511:2022)	(2)	kW	24,3	28,8	34,2	50,5	54,7	63,4	74,9	85,2	98,2	107
SC-EXC	Total power input (EN 14511:2022)	(2)	kW	7,29	8,81	10,7	14,2	15,6	19,1	21,5	26,4	29,1	32,1
SC-EXC	COP (EN 14511:2022)	(2)	-	3,33	3,27	3,20	3,55	3,51	3,32	3,48	3,23	3,37	3,34
SC-EXC	Refrigeration circuits		Nr	1				2					
SC-EXC	No. of compressors		Nr	1				2					
SC-EXC	Type of compressors		-	ROTARY INVERTER				SCROLL INVERTER					
SC-EXC	Refrigerant		-	R-32				400/3"/50					
SC-EXC	Standard power supply		V										
SC-EXC	Sound power level	(3)	dB(A)	73	74	75	75	76	78	78	81	82	83
EN-EXC	Sound power level	(3)	dB(A)	69	71	72	71	71	72	73	75	77	78
Directive ErP (Energy Related Products)													
ErP Energy Class - AVERAGE Climate - W35		-	A+++	A+++	A+++	A+++	A+++	A+++	A++	A++	A++	-	-
ErP Energy Class - AVERAGE Climate - W55		-	A++	A++	A++	A++	A++	A++	A++	A++	A++	-	-
SCOP - AVERAGE Climate - W35		(4)	-	4,54	4,49	4,44	4,46	4,46	4,41	4,33	4,29	4,65	4,60
$\eta_{s,H}$		(4)	%	179,0	177,0	175,0	175,0	175,0	173,0	170,0	169,0	183,0	181,0
SCOP - AVERAGE Climate - W55		(4)	-	3,24	3,22	3,19	3,24	3,21	3,19	3,20	3,19	3,42	3,38
$\eta_{s,H}$		(4)	%	127,0	126,0	125,0	127,0	125,0	125,0	125,0	125,0	134,0	132,0

Size		►► WiSAN-YSE1		10.1	12.1	14.1	16.2	18.2	22.2	30.2	35.2	40.2	45.2	50.2	55.2
SC-PRM	♦ Cooling capacity (EN 14511:2022)	(1)	kW	25,2	27,6	32,2	45,7	52,1	60,7	74,3	86,2	94,2	111	121	128
SC-PRM	Total power input (EN 14511:2022)	(1)	kW	8,35	10,1	11,8	15,4	18,1	22,0	25,6	31,5	35,8	40,8	46,4	51,1
SC-PRM	EER (EN 14511:2022)	(1)	-	3,03	2,74	2,73	2,96	2,88	2,75	2,91	2,73	2,63	2,71	2,61	2,51
SC-PRM	SEER	(4)	-	4,50	4,40	4,24	4,04	4,09	4,07	3,96	3,91	3,87	4,67	4,54	4,42
SC-PRM	η _{s,c}	(4)	%	177,0	173,0	166,6	158,5	160,6	159,8	155,4	153,4	151,8	183,8	178,6	173,8
SC-PRM	♦ Heating capacity (EN 14511:2022)	(2)	kW	27,0	29,8	35,7	52,5	57,9	66,6	78,5	91,2	102	117	129	138
SC-PRM	Total power input (EN 14511:2022)	(2)	kW	8,41	9,32	11,3	15,8	17,6	21,2	23,5	29,9	35,5	36,6	40,6	43,9
SC-PRM	COP (EN 14511:2022)	(2)	-	3,21	3,20	3,15	3,33	3,29	3,14	3,34	3,05	2,88	3,21	3,18	3,15
SC-PRM	Refrigeration circuits		Nr	1				2							
SC-PRM	No. of compressors		Nr	1				2							
SC-PRM	Type of compressors		-	ROTARY INVERTER				SCROLL INVERTER							
SC-PRM	Refrigerant		-	R-32				400/3"/50							
SC-PRM	Standard power supply		V												
SC-PRM	Sound power level	(3)	dB(A)	75	76	77	77	78	80	80	83	83	84	85	85
EN-PRM	Sound power level	(3)	dB(A)	72	73	73	73	73	74	76	77	78	79	80	80
Directive ErP (Energy Related Products)															
ErP Energy Class - AVERAGE Climate - W35		-	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	-	-	-
SCOP - AVERAGE Climate - W35		(4)	-	4,29	4,23	4,11	4,22	4,19	4,17	4,12	4,08	4,13	4,11	4,07	4,04
η _{SH}		(4)	%	169,0	166,0	161,0	166,0	165,0	164,0	162,0	160,0	162,0	161,0	160,0	159,0

(1) Data calculated in compliance with Standard EN 14511:2022 referred to the following conditions: Internal exchanger water temperature = 12/7°C; Outdoor heat exchanger inlet air temperature = 35°C

(2) Data calculated in compliance with Standard EN 14511:2022 referred to the following conditions: Internal exchanger water temperature = 40/45°C; Outdoor heat exchanger inlet air temperature 7 D.B. /6 (°C) W.B.

(3) Sound pressure levels are referred to units operating at nominal load in nominal conditions. Measurements are carried out accordingly to UNI EN ISO 9614-1 at nominal standard conditions defined in respective regulations: EU 2016/2281, UE 813/2013, UE 811/2013.

(4) Data calculated according to the EN 14825:2018 Regulation

The Product is compliant with the Erp (Energy Related Products) European Directive. It includes the Commission delegated Regulation (EU) No 811/2013 (rated heat output ≤70 kW at specified reference conditions), the Commission delegated Regulation (EU) No 813/2013 (rated heat output ≤400 kW at specified reference conditions).

accessories

HYGU1	Hydronic assembly with 1 ON/OFF pump
HYGU1VI	Hydronic unit on user side with an integrated inverter pump
ACC	Storage tank
IFWX	Steel mesh strainer on the water side
IFWI	Steel mesh strainer on the water side include in the packaging
REMAU	Additional board for advanced function management
PGFC	Finned coil protection grill
PGFCX	Finned coil protection grill
CCCA	Copper / aluminium condenser coil with acrylic lining
CCCA1	Condenser coil with Aluminium Energy Guard DCC treatment
TCDC	Condensate collection pan with electric heater

CMSC13	Serial communication module for Modbus TCP/IP, BACnet IP, BACnet MSTP superviso
VACS	DHW switching valve
VACSX	Switching valve for DHW production
HYGU1V	Hydronic unit on user side with one inverter pump (sizes 43.2 to 55.2)
HYGU2	Hydronic unit on user side with 2 on-off pumps (sizes 43.2 to 55.2)
HYGU2V	Hydronic unit on user side with 2 inverter pumps (sizes 43.2 to 55.2)
AVIBX	Anti-vibration mount support
AMMSX	Anti-seismic spring antivibration mounts
AVIBI	Anti-vibration mount support
IOTX	IoT industrial module for cloud based interoperability & services

Accessories whose code ends with "X" are supplied separately