WiSAN-YSE1

10.1÷55.2

HYDRONIC

NEW PRODUCT

DC INVERTER

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

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

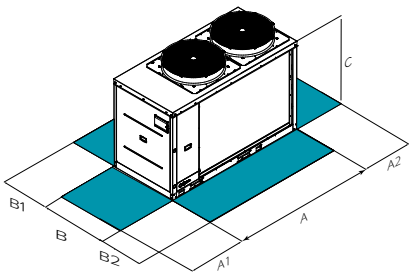
Clivet participates in the EUROVENT "Liquid Chilling Packages and Hydronic Heat Pumps". The products concerned feature on the website www.eurovent-certification.com

ErP compliant ErP

functions and features

Heat pump · Air cooled · 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	1920	1920	1920	2274	2274	2274	3300	3300	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	298	298	298	530	530	530	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	1920	1920	1920	2274	2274	2274	3300	3300	3300	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	298	298	298	530	530	530	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.

* PRELIMINARY DATA

CLIVET

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

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	106
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	30,3	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	31,9
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									
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	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++	-	-
ErP Energy Class - AVERAGE Climate - W35			-	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 - W35		(4)	-	3,24	3,22	3,19	3,24	3,21	3,19	3,20	3,16	3,42	3,38
$\eta_{s,H}$		(4)	%	127,0	126,0	125,0	127,0	125,0	125,0	125,0	123,0	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	8,34	10,1	11,8	15,4	18,1	22,0	25,5	31,5	35,8	40,8	46,3	51,2
SC-PRM	EER (EN 14511:2022)	(1)	-	3,02	2,74	2,73	2,95	2,88	2,75	2,90	2,85	2,82	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	$\eta_{s,c}$	(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	8,40	9,32	11,3	15,8	17,6	21,2	23,5	29,9	35,5	36,5	40,7	43,7
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											
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	84	85	85
EN-PRM	Sound power level	(3)	dB(A)	72	73	73	73	73	74	76	77	78	78	79	79
Directive ErP (Energy Related Products)															
ErP Energy Class - AVERAGE Climate - W35			-	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
$\eta_{s,H}$		(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).

* PRELIMINARY DATA

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

Accessories whose code ends with "X" are supplied separately

REF - DG24L504GB-01