

NEW PRODUCT

ELFOEnergy Sheen EVO

Reversible heat pump

Air cooled

Outdoor installation

Capacity from 22,3 to 55,0 kW



The **ELFOEnergy Sheen EVO** heat pumps are high efficiency packaged units for outdoor installation with the ecological R-32 refrigerant.

■ **SEASONAL EFFICIENCY:** Guaranteed by DC Inverter technology applied to the compressor and fans, which can modulate its speed to the energy needs required. This solution allows a further reduction in consumption and a significant improvement of the seasonal efficiency.

■ **EXTENDED OPERATING RANGE:** ELFOEnergy Sheen Evo is able to meet the strictest requirements in terms of operating temperatures, with great efficiency. In cooling, its operation is guaranteed even with very low outside temperatures (from 48°C to -10°C), ideal for the requirements of IT applications. In heating, its operation is guaranteed down to external air temperatures of -14°C producing hot water of up to 54°C.



Unit listed on
www.eurovent-certification.com



ErP compliant



functions and features



Heat pump



Air cooled



Outdoor
installation



R-32



Hermetic
rotary



Full
InverterDC

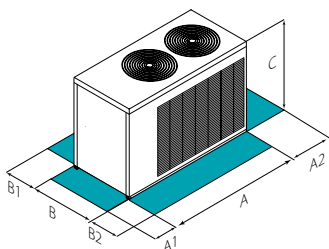


Electronic
expansion valve



ELFOControl[®]
EVO

dimensions and clearances



SIZE – WSAN-YSi

		10.1	12.1	14.1	16.2	18.2	22.2
A - Length	mm	1876	1876	1876	2218	2218	2218
B - Width	mm	1005	1005	1005	1057	1057	1057
C - Height	mm	1176	1176	1176	1339	1339	1339
A1	mm	800	800	800	800	800	800
A2	mm	800	800	800	800	800	800
B1	mm	800	800	800	800	800	800
B2	mm	800	800	800	800	800	800
Operating weight	kg	300	300	300	480	480	480

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.

CAUTION!

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

versions and configurations

TYPE OF FANS:

VEND DC high efficiency fan (Standard)

technical data

SIZE – WSAN-YSi			10.1	12.1	14.1	16.2	18.2	22.2
▶ Cooling capacity (EN14511:2018)	(1)	kW	22,3	25,8	29,0	42,0	48,0	55,0
Total power input (EN14511:2018)	(1)	kW	7,38	9,08	10,36	15,61	18,25	20,83
EER (EN14511:2018)	(1)	-	3,02	2,84	2,80	2,69	2,63	2,64
SEER	(4)	-	4,63	4,64	4,63	4,00	3,99	4,01
▶ Heating capacity (EN14511:2018)	(2)	kW	24,3	27,1	31,4	48,6	54,0	62,0
Total power input (EN14511:2018)	(2)	kW	7,36	8,28	10,00	14,64	16,55	20,00
COP (EN14511:2018)	(2)	-	3,30	3,27	3,20	3,32	3,26	3,10
No. of compressors	Nr		1			2		
Refrigeration circuits	Nr		1					
Type of compressors			ROTARY INVERTER					
Standard airflow		l/s	12500	12500	12500	24000	24000	24000
Standara power supply		V	400/3/50+N					
Sound pressure level	(3)	dB(A)	59	60	60	68	69	70
Directive ErP (Energy Related Products)								
ErP Energy Class - AVERAGE Climate - W35	-		A++	A++	A++	A++	A++	A++
SCOP - AVERAGE Climate - W35	(4)	-	4,30	4,25	4,24	3,91	3,90	3,87

- (1) Data compliant to Standard EN 14511:2018 referred to the following conditions: - Internal exchanger water temperature = 12/7°C - Entering external exchanger air temperature = 35°C

(2) Data compliant to Standard EN 14511:2018 referred to the following conditions: - Internal exchanger water temperature = 40/45°C - Entering external exchanger air temperature = 7°C D.B./6°C W.B

(3) The sound levels refer to the unit at full load, in the rated test conditions. The sound pressure level refers to a distance of 1m from the external surface of the units operating in an open field. Measures according to UNI EN ISO 9614-2 regulations, with respect to the EUROVENT 8/1 certification. Data referred to the following conditions: Internal exchanger water = 12/7°C; Outdoor air temperature 35°C
- (4) Data calculated according to the EN 14825:2016 Regulation

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

accessories

- HYG1

HYGU1V

ACC

Hydronic assembly with 1 ON/OFF pump
User side hydronic group with 1 inverter pump
Storage tank
- VACS

✓IFWX

✓AVIBX

DHW switching valve
Steel mesh strainer on the water side
Anti-vibration mount support

Key to symbols:

✓ Accessories separately supplied