

ELFOEnergy Storm EVO

Liquid chiller

WSAT-YES: cooling only

WSAN-YES: Reversible heat pump

Air cooled

Outdoor installation

Capacity from 53,1 to 85,1 kW



- ✓ Full inverter technology with scroll or rotary compressors
- ✓ Application versatility with modular concept
- ✓ Refrigerant R32 - GWP = 675
- ✓ High full load and seasonal efficiency with compact dimensions
- ✓ Domestic hot water up to 55°C, low water temperature down to -8°C
- ✓ Three acoustic levels: standard, silenced and super-silenced
- ✓ Modular operation management, up to 16 units in cascade
- ✓ Available in hybrid version in combination with boiler



Unit listed on
www.eurovent-certification.com



compliant
ErP



functions and features



Cooling only
(WSAT-YES)



Heat pump
(WSAN-YES)



Air cooled



Outdoor
installation



R-32



Hermetic
rotary



Hermetic
Scroll



Full
inverter



Electronic
expansion
valve

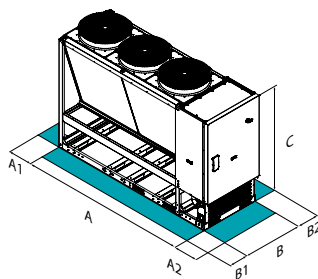


ELFOControl³
EVO



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	▶▶ WSAT-YES	18.2	20.2	25.2	30.2	35.2
A - Length	mm	2364	2364	3220	3220	3220
B - Width	mm	1130	1130	1130	1130	1130
C - Height	mm	2155	2155	2155	2155	2155
A1	mm	800	800	800	800	800
A2	mm	800	800	800	800	800
B1	mm	500	500	500	500	500
B2	mm	500	500	500	500	500
Operating weight	kg	575	575	725	725	725

Size	▶▶ WSAN-YES	18.2	20.2	25.2	30.2	35.2
A - Length	mm	2364	2364	3220	3220	3220
B - Width	mm	1130	1130	1130	1130	1130
C - Height	mm	2155	2155	2155	2155	2155
A1	mm	800	800	800	800	800
A2	mm	800	800	800	800	800
B1	mm	500	500	500	500	500
B2	mm	500	500	500	500	500
Operating weight	kg	590	590	796	796	796

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:

VENDC DC high efficiency fan (Standard)

technical data

Size	►► WSAT-YES		18.2	20.2	25.2	30.2	35.2
♦ Cooling capacity (EN 14511:2018)	(1)	kW	53,1	59,2	72,2	77,5	85,1
Total power input (EN 14511:2018)	(1)	kW	17,1	19,7	22,5	24,2	27,5
EER (EN 14511:2018)	(1)	-	3,10	3,00	3,21	3,20	3,10
SEER	(4)	-	4,85	4,84	4,89	4,81	4,74
η _{s,c}	(4)	%	190,8	190,6	192,6	189,5	186,4
Refrigeration circuits		Nr	1				
No. of compressors		Nr	2				
Type of compressors		-	ROTARY INVERTER			SCROLL INVERTER	
Refrigerant		-	R-32				
Standard airflow		l/s	6889	6889	10333	10333	10333
Standard power supply		V	400/3N~/50				
Sound pressure level	(3)	dB(A)	64	65	62	65	67

Size	▶▶ W SAN-YES		18.2	20.2	25.2	30.2	35.2
♦ Cooling capacity (EN 14511:2018)	(1)	kW	53,3	58,9	72,0	77,7	85,0
Total power input (EN 14511:2018)	(1)	kW	18,0	20,3	22,8	25,0	29,2
EER (EN 14511:2018)	(1)	-	2,95	2,90	3,15	3,10	2,91
SEER	(4)	-	4,57	4,51	4,64	4,62	4,50
η _{s,c}	(4)	%	179,8	177,4	182,6	181,8	177,0
♦ Heating capacity (EN 14511:2018)	(2)	kW	53,0	66,0	79,3	84,7	91,0
Total power input (EN 14511:2018)	(2)	kW	16,5	20,6	23,8	25,7	28,0
COP (EN 14511:2018)	(2)	-	3,21	3,20	3,33	3,29	3,25
Refrigeration circuits	—	Nr	1				
No. of compressors	—	Nr	2				
Type of compressors	—	-	ROTARY INVERTER			SCROLL INVERTER	
Refrigerant	—	-	R-32				
Standard airflow	—	l/s	6889	6889	10333	10333	10333
Standard power supply	—	V	400/3N~/50				
Sound pressure level	(3)	dB(A)	64	65	62	65	67

Directive ErP (Energy Related Products)

ErP Energy Class - AVERAGE Climate - W35	-	A++	A++	A++	A++	-
SCOP - AVERAGE Climate - W35	(4) -	4,04	4,03	4,08	4,07	4,06
$\eta_{s,h}$	(4) %	159	158	160	160	159

(1) Data calculated in compliance with 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 temperature = 12/7°C; Outdoor air temperature=35°C

(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) and the Commission delegated Regulation (EU) No 2016/2281, also known as Ecodesign Lot21.

accessories

HYGU1V	User side hydronic assembly with 1 inverter pump
ACIMP	Steel inertial storage tank
IFWX	Steel mesh strainer on the water side
AVIBX	Anti-vibration mount support
PGFC	Finned coil protection grill
AMODX	Steel mesh strainer on the water side
CCKMUX	Pipe plug kit for modular units
AVIBI	Anti-vibration mount support
REMAUX	Advanced remote control module for auxiliary controls of sheen/storm units
SNATEX	Non atex main switch for remote external installation
SNB	On board main switch

IFWI	Steel mesh strainer on the water side include in the packaging (available only with options: ASING)
IFWCX	Steel mesh strainer on the water side for units in modular configuration (available only with options: AMODX)
PGFCX	Finned coil protection grill

Only WSAT-YES:

CCME	Microchannel e-coated coil
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Only WSAN-YES:

CCCA	Copper / aluminium condenser coil with acrylic lining
CCCA1	Copper / aluminium condenser coil with acrylic lining
3DHW	Three-way valve for domestic hot water

Accessories whose code ends with "X" are supplied separately

Data contained in this document are not binding and may be changed by the Manufacturer without notice

www.clivet.com

REF - DG22L025GB-00