

ELFOEnergy Storm EVO

Liquid chiller

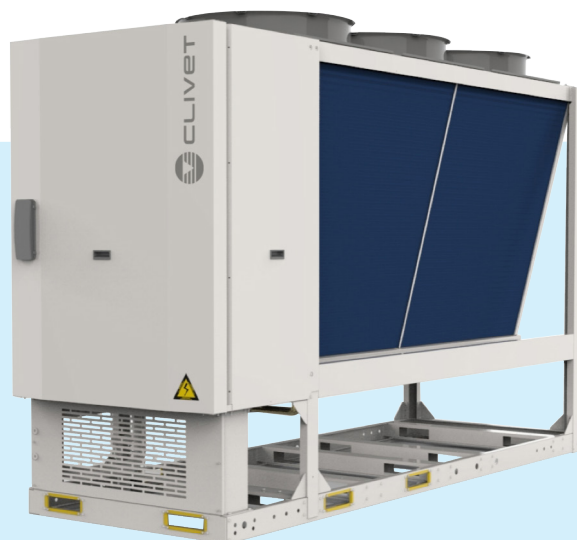
WSAT-YES: cooling only

WSAN-YES: reversible heat pump

Air cooled

Outdoor installation

Capacity from 53,1 to 85,3 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 modes: standard, silenced and super-silenced
- ✓ Modular design for up to 16 units in parallel (reduced installation space, enhanced system efficiency)
- ✓ Integrated hydronic assembly, system tank and three-way valve (only for heat pump)



Unit listed on
www.eurovent-certification.com



ErP
compliant



functions and features



Cool only
(WSAT-YES)



Heat pump
(WSAN-YES)



AIR
cooled



Outdoor
installation



R-32



Hermetic
rotary



Hermetic
Scroll



Full
Inverter



Electronic
expansion
valve

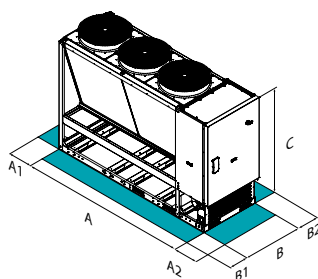


ELFOControl[®]
EVO



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	800	800	800
B2	mm	500	500	800	800	800
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	800	800	800
B2	mm	500	500	800	800	800
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 (EN14511:2018)	(1) kW	53,1	59,2	72,2	77,5	85,1
Total power input (EN14511:2018)	(1) kW	17,1	19,7	22,5	24,2	27,5
EER (EN14511:2018)	(1) -	3,10	3,00	3,21	3,20	3,10
SEER	(4) -	4,85	4,84	4,89	4,81	4,74
$\eta_{s,c}$	(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	▶▶ WSAN-YES	18.2	20.2	25.2	30.2	35.2
♦ Cooling capacity (EN14511:2018)	(1) kW	53,1	58,8	72,4	78,4	85,3
Total power input (EN14511:2018)	(1) kW	18,0	20,3	23,0	25,3	29,3
EER (EN14511:2018)	(1) -	2,95	2,90	3,15	3,10	2,91
SEER	(4) -	4,57	4,51	4,64	4,62	4,50
$\eta_{s,c}$	(4) %	179,8	177,4	182,6	181,8	177,0
♦ Heating capacity (EN14511:2018)	(2) kW	53,3	66,7	79,1	85,0	91,2
Total power input (EN14511:2018)	(2) kW	16,6	20,8	23,8	25,8	28,1
COP (EN14511:2018)	(2) -	3,21	3,21	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) %	159,0	158,0	160,0	160,0	159,0

- (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 14825:2018 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** Water fittings for modular unit
- CCKMUX** Pipe plug kit for modular units
- AVIBI** Antivibration mountings included in the unit's packaging
- 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:**
- CCCME** Microchannel e-coated coil

- Only WSAN-YES:**
- CCCA** Copper / aluminium condenser coil with acrylic lining
- CCCA1** Condenser coil with Aluminium Energy Guard DCC treatment
- 3DHW** Built-in 3-way valve for domestic hot water on the unit

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