WSAT-YES WSAN-YES

18.2÷35.2

HYDRONIC

NEW PRODUCT

ELFOEnergy STORM EVO

Water chiller
WSAT-YES: cooling only
WSAN-YES: reversible heat pump
Air cooled
Outdoor installation
Capacity from 53,3 to 85,0 kW

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

Unit listed on www.eurovent-certification.com

ErP

ErP compliant

DC INVERTER

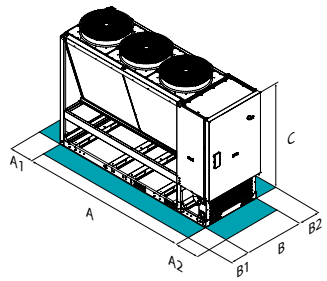
The **ELFOEnergy STORM EVO** chillers and heat pumps are high efficiency packaged units for outdoor installation with the ecological R-32 refrigerant. Thanks to the highest energy efficiency over the entire operating cycle, the domestic hot water production and high configurability, they are suitable for residential and tertiary applications.

- **ADVANCED TECHNOLOGY:** the new R-32 refrigerant, DC Inverter technology for the compressor and fans, a specially-conceived design for modularity that allows to hydraulically connect up to 4 units and manage up to 16 units in a local network, are some of the construction features.
- **EXTENDED OPERATING RANGE:** In cooling, its operation is guaranteed even with very low outside temperatures (from 52°C to -20°C). In heating, its operation is guaranteed down to external air temperatures of -15°C producing hot water of up to 55°C. The two silent and super silent modes also ensure a greater acoustic comfort in the desired hours.

functions and features

Cool only (WSAT-YES) | Heat pump (WSAN-YES) | Air cooled | Outdoor installation | R-32 | Hermetic rotary | Hermetic Scroll | Full Inverter DC | Electronic expansion valve

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	2337	2337	3190	3190	3190
B - Width	mm	1130	1130	1130	1130	1130
C - Height	mm	2152	2152	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	-	-	-	-	-

SIZE – WSAN-YES		18.2	20.2	25.2	30.2	35.2
A - Length	mm	2337	2337	3190	3190	3190
B - Width	mm	1130	1130	1130	1130	1130
C - Height	mm	2152	2152	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	580	580	780	780	780

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, sizes available from the second half of 2020

CLIVET

versions and configurations

TYPE OF FANS:

VENDC DC high efficiency fan (Standard)

REF-DG20A009GB--00

technical data

SIZE – WSAT-YES			18.2*	20.2*	25.2*	30.2*	35.2*
Cooling capacity (EN14511:2018)	(1)	kW	52,2	58,7	72,0	78,0	85,0
Total power input (EN14511:2018)	(1)	kW	16,7	19,9	22,9	25,2	29,1
EER (EN14511:2018)	(1)	-	3,14	2,95	3,22	3,17	3,00
SEER	(4)	-	4,77	4,70	4,71	4,69	4,60
No. of compressors		Nr			2		
Refrigeration circuits		Nr			1		
Type of compressors			ROTARY INVERTER			SCROLL INVERTER	
Standard airflow		l/s	6889	6889	10333	10333	10333
Standard power supply		V			400/3/50+N		
Sound pressure level	(3)	dB(A)	65	65	66	67	67

SIZE – WSAN-YES			18.2	20.2	25.2	30.2	35.2
Cooling capacity (EN14511:2018)	(1)	kW	53,3	58,9	72,0	77,7	85,0
Total power input (EN14511:2018)	(1)	kW	18,1	20,3	22,9	25,1	29,2
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
Heating capacity (EN14511:2018)	(2)	kW	53,0	66,0	79,3	84,7	91,0
Total power input (EN14511:2018)	(2)	kW	16,5	20,8	23,8	25,7	28,00
COP (EN14511:2018)	(2)	-	3,21	3,17	3,33	3,29	3,25
No. of compressors		Nr			2		
Refrigeration circuits		Nr			1		
Type of compressors			ROTARY INVERTER			SCROLL INVERTER	
Standard airflow		l/s	6889	6889	10333	10333	10333
Standard power supply		V			400/3/50+N		
Sound pressure level	(3)	dB(A)	65	65	66	67	67
Directive ErP (Energy Related Products)							
ErP Energy Class - AVERAGE Climate - W35		-	A++	A++	A++	-	-
SCOP - AVERAGE Climate - W35	(4)	-	3,93	3,91	4,08	4,07	4,06

(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).

* Preliminary data, sizes available from the second half of 2020

accessories

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

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

Key to symbols:

✓ Accessories separately supplied