

ELFOENERGY STORM EVO

Air-cooled reversible heat pump for outdoor installation

Capacity from 53,3 to 85 kW



Clivet participates in the EUROVENT "Liquid Chilling Packages and Hydronic Heat Pumps".
Check ongoing validity of certificate on www.eurovent-certification.com



Heat pump



Air cooled



Outdoor installation



R-32



Hermetic rotary



Hermetic Scroll



Full inverter



Electronic expansion valve



CONTROL4 NRG management



Hybrid system



ErP compliant

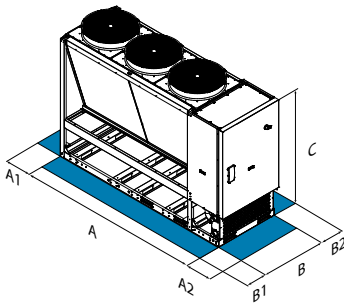
- ✓ Full inverter technology with scroll or rotary compressors
- ✓ Application versatility with modular concept
- ✓ Refrigerant R32 - GWP = 675
- ✓ High full load and seasonal efficiency with compact dimensions
- ✓ Hot water up to 55°C and wide operating range down to -15°C
- ✓ Three acoustic levels: standard, silenced and super-silenced
- ✓ Modular design for up to 16 units in parallel (reduced installation space, enhanced system efficiency)
- ✓ Available in hybrid version in combination with boiler

Versions and configurations

TYPE OF FANS:

VENDC DC high efficiency fan (Standard)

Dimensions and connections



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

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.

Technical data

Size	WSAN-YES		18.2	20.2	25.2	30.2	35.2
Cooling capacity (EN 14511:2022)	(1)	kW	53,3	58,9	72,0	77,7	85,0
Total power input (EN 14511:2022)	(1)	kW	18,0	20,3	22,8	25,0	29,2
EER (EN 14511:2022)	(1)	-	2,95	2,90	3,15	3,10	2,91
SEER	(4)	-	4,57	4,51	4,64	4,62	4,50
η_{sc}	(4)	%	179,8	177,4	182,6	181,8	177,0
Heating capacity (EN 14511:2022)	(2)	kW	53,0	66,0	79,3	84,7	91,0
Total power input (EN 14511:2022)	(2)	kW	16,5	20,6	23,8	25,7	28,0
COP (EN 14511:2022)	(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 power level	(3)	dB(A)	82	82	81	84	85
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
η_{SH}	(4)	%	159	158	160	160	159

(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 14825:2022 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).

Accessories

HYGU1V	User side hydronic assembly with 1 inverter pump
ACIMP	Steel inertial storage tank
AMODX	Water fittings for modular unit
CCKMUX	Pipe plug kit for modular units
AVIBI	Advanced remote control module for auxiliary controls of sheen/storm units
AVIBX	Anti-vibration mount support
SNATEx	Non atex main switch for remote external installation
SNB	On board main switch
REMSGX	Remote board for auxiliary controls with SG-Ready
IFWI	Steel mesh strainer on the water side include in the packaging
IFWX	Steel mesh filter on the water side

IFWCX	Steel mesh strainer on the water side for units in modular configuration (available only with options: AMODX)
PGFC	Finned coil protection grilles
PGFCX	Finned coil protection grilles
IOTX	IoT industrial module for cloud based interoperability & services
CCCA	Copper / aluminium condenser coil with acrylic lining
CCCA1	Condenser coil with Aluminium Energy Guard DCC treatment
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

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