

# ELFOENERGY STORM EVO FC

Air-cooled liquid chiller with FREE-COOLING for outdoor installation  
**Capacity from 50,4 to 80,8 kW**

DC INVERTER



- ✓ Full inverter technology with scroll or rotary compressors
- ✓ Solution for cold climates, versatile applications with modular concept
- ✓ Refrigerant R32 - GWP = 675
- ✓ High full load and seasonal efficiency with compact dimensions
- ✓ Operation up to 48°C outdoor air temperature, chilled water down to 5°C
- ✓ Direct Free cooling active at air temperatures above 0°C
- ✓ Modular design to connect up to 16 units in parallel, compatible with chiller version
- ✓ Integrated hydronic assembly and system tank

## Versions and configurations

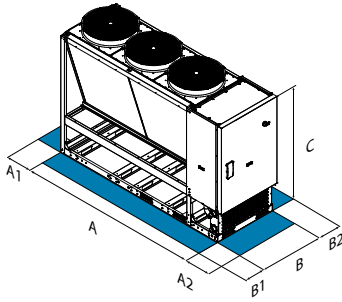
### TYPE OF FANS:

VENDC DC high efficiency fan (Standard)

### FREE-COOLING:

FCD Direct FREE-COOLING

## Dimensions and connections



Size	WSAT-YES FC	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	659	659	850	850	850

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 blue areas.

## Technical data

Size	WSAT-YES FC	18.2	20.2	25.2	30.2	35.2
<b>Free-Cooling Off</b>						
Cooling capacity	(1) kW	57,4	63,9	75,9	81,5	89,7
Total power input	(1) kW	16,8	19	22,1	23,6	26,2
EER at full load	(1) -	3,42	3,36	3,43	3,45	3,42
SEER	(4) -	4,48	4,51	4,56	4,48	4,41
$\eta_{sc}$	(4) %	176,2	177,4	179,4	176,2	173,4
<b>Direct Free-cooling on</b>						
Cooling capacity	(2) kW	42,2	43,5	71	71,9	72,5
Total power input	(2) kW	1,7	1,7	2,5	2,5	2,5
EER at full load	(2) -	24,8	25,6	28,4	28,8	29
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

(1) Data referred to the following conditions: internal exchanger water temperature = 15/10 °C; glycol 30%; entering external exchanger air temperature 30°C  
 (2) Free-Cooling only data (compressors OFF) referred to the following conditions: internal exchanger water temperature = 15/10°C; entering external exchanger air temperature = 2°C D.B./1°C W.B.; glycol 30%  
 (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 2016/2281, also known as Ecodesign Lot21.

## Accessories

HYGU1V	User side hydronic assembly with 1 inverter pump	AMODX	Water fittings for modular unit
ACIMP	Steel inertial storage tank	CCME	Microchannel e-coated coil
IFWX	Steel mesh filter on the water side	CCKMUX	Pipe plug kit for modular units
IFWI	Steel mesh strainer on the water side include in the packaging	PGFC	Finned coil protection grilles
IFWCX	Steel mesh strainer on the water side for units in modular configuration (available only with options: AMODX)	PGFCX	Finned coil protection grilles
AVIBX	Anti-vibration mount support	REMAUX	Advanced remote control module for auxiliary controls of sheen/storm units
AVIBI	Advanced remote control module for auxiliary controls of sheen/storm units	SNB	On board main switch
SNATEX	Non atex main switch for remote external installation	IOTX	IoT industrial module for cloud based interoperability & services

Accessories whose code ends with "X" are supplied separately