WSAT-YES FC

18.2÷35.2

HYDRONIC

ELFOENERGY STORM EVO FC

Liquid chiller with FREE-COOLING
Air cooled
Outdoor installation
Capacity from 57,4 to 89,7 kW

DC INVERTER

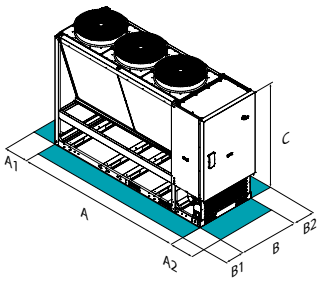
ErP
compliant ErP

- ✓ 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 down to -25°C outdoor air temperature, low water temperature 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

functions and features

Cooling only | Air cooled | Outdoor installation | R-32 | Hermetic rotary | Hermetic Scroll | Full inverter | FREE-COOLING | Electronic expansion valve | Control4 NRG management

dimensions and clearances



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 green areas.

versions and configurations

TYPE OF FANS:

VENDC DC high efficiency fan (Standard)

FREE-COOLING:

FCD Direct FREE-COOLING

technical data

Size ▶▶ WSAT-YES FC			18.2	20.2	25.2	30.2	35.2
Free-Cooling Off							
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
$\eta_{s,c}$	(4)	%	176,2	177,4	179,4	176,2	173,4
Direct Free-cooling on							
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 14825:2018 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 group with 1 inverter pump
ACIMP Steel inertial storage tank
IFWX Steel mesh strainer on the water side
AVIBX Anti-vibration mount support
AVIBI Anti-vibration mount support
AMODX Steel mesh strainer on the water side
CCME Microchannel e-coated coil
CCKMUX Pipe plug kit for modular units
PGFC Finned coil protection grill
PGFCX Finned coil protection grill
REMAUX Advanced remote control module for auxiliary controls of sheen/storm units
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)
IOTX IoT industrial module for cloud based interoperability & services

Accessories whose code ends with "X" are supplied separately

Valid from: January 2025 - REF. DG25A901GB-00

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