

ELFOEnergy Storm EVO

Liquid chiller

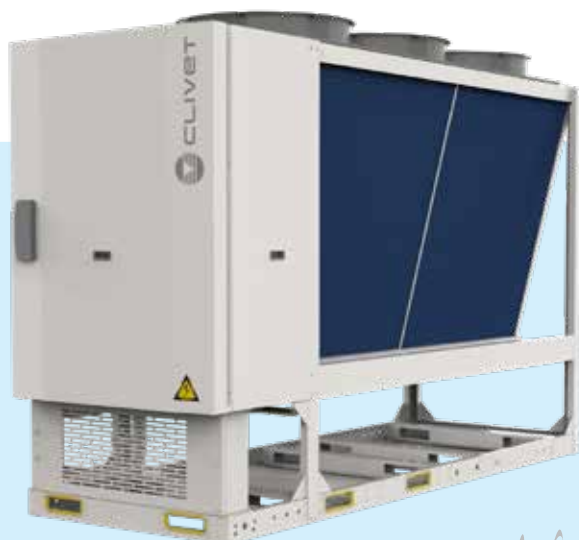
WSAT-YES: cooling only

WSAN-YES: Reversible heat pump

Air cooled

Outdoor installation

Capacity from 53,1 to 85,1 kW



Clivet participates in the EUROVENT "Liquid Chilling Packages and Hydronic Heat Pumps". The products concerned feature on the website www.eurovent-certification.com



compliant
ErP



- ✓ 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 levels: standard, silenced and super-silenced
- ✓ Modular operation management, up to 16 units in cascade
- ✓ Available in hybrid version in combination with boiler

functions and features



Cooling only
(WSAT-YES)



Heat pump
(WSAN-YES)



Air cooled



Outdoor
installation



R-32



Hermetic
rotary



Hermetic
Scroll



Full
inverter



Electronic
expansion
valve

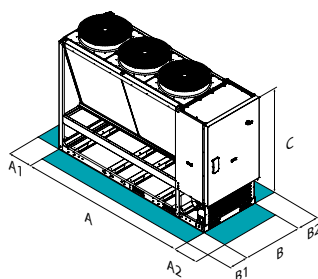


Control4 NRG
management



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	500	500	500
B2	mm	500	500	500	500	500
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	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.

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 (EN 14511:2022)	(1) kW	53,1	59,2	72,2	77,5	85,1
Total power input (EN 14511:2022)	(1) kW	171	19,8	22,5	24,3	27,5
EER (EN 14511:2022)	(1) -	3,10	2,99	3,21	3,19	3,10
SEER	(4) -	4,85	4,84	4,89	4,81	4,74
η _{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 power level	(3) dB(A)	82	82	81	84	85
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 _{s,c}	(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 _{s,h}	(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 14825:2018 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).

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
PGFC	Finned coil protection grill
AMODX	Steel mesh strainer on the water side
CCKMUX	Pipe plug kit for modular units
AVIBI	Anti-vibration mount support
REMAUX	Advanced remote control module for auxiliary controls of sheen/storm units
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:	
CCME	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	Three-way valve for domestic hot water

Accessories whose code ends with "X" are supplied separately