

ELFOENERGY SHEEN EVO

Air-cooled liquid chiller for outdoor installation
Capacity from 43,0 to 130 kW

DC INVERTER



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



Cooling only



Air cooled



Outdoor installation



R-32



Hermetic rotary



Hermetic Scroll



Full inverter



Electronic expansion valve



CONTROL4 NRG management



compliant ErP

- ✓ Full inverter technology with scroll or rotary compressors
- ✓ First investment driven and refurbishment applications
- ✓ Refrigerant R32 - GWP = 675
- ✓ High seasonal efficiency
- ✓ Operation up to 48°C outdoor air temperature, chilled water down to -8°C
- ✓ Three acoustic levels: standard, silenced and super-silenced
- ✓ Modular design for up to 16 units in parallel (reduced installation space, enhanced system efficiency)

Versions and configurations

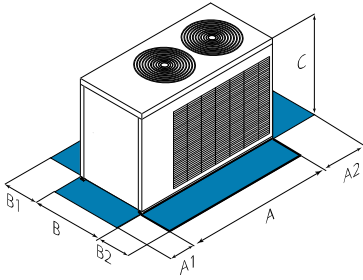
TYPE OF FANS:

VEND DC high efficiency fan (Standard)

ENERGY RECOVERY:

D Partial energy recovery (sizes 45.2 to 55.2)

Dimensions and connections



Size	WSAT-YSi	16.2	20.2	24.2	30.2	35.2	40.2	45.2	50.2	55.2
A - Length	mm	2280	2280	2280	3300	3300	3300	2832	2832	2832
B - Width	mm	1060	1060	1060	1100	1100	1100	1184	1184	1184
C - Height	mm	1320	1320	1320	1510	1510	1510	1750	1750	1750
A1	mm	800	800	800	800	800	800	800	800	800
A2	mm	800	800	800	800	800	800	800	800	800
B1	mm	800	800	800	800	800	800	1300	1300	1300
B2	mm	800	800	800	800	800	800	1300	1300	1300
Operating weight	kg	470	470	470	680	680	680	771	771	771

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-YSi	16.2	20.2	24.2	30.2	35.2	40.2	45.2	50.2	55.2
Cooling capacity (EN 14511:2022)	(1) kW	43,0	54,0	64,9	76,0	86,8	97,7	110	120	130
Total power input (EN 14511:2022)	(1) kW	13,0	17,2	23,8	23,4	28,7	35,7	36,7	41,3	46,4
EER (EN 14511:2022)	(1) -	3,31	3,14	2,72	3,25	3,02	2,74	3,00	2,90	2,80
SEER	(3) -	4,97	4,81	4,65	5,37	5,15	4,95	5,10	5,02	4,97
n _{s,c}	(3) %	195,8	189,5	182,9	212,0	203,2	195,2	201,4	198,2	196,0
Refrigeration circuits	Nr	1								
No. of compressors	Nr	2								
Type of compressors	-	ROTARY INVERTER				SCROLL INVERTER				
Refrigerant	-					R-32				
Standard airflow	l/s	6944	6944	6944	10417	10417	10417	13900	13900	13900
Standard power supply	V	400/3N~/50								
Sound power level	(2) dB(A)	80	81	82	82	83	84	84	84	85

(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) 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

(3) 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

HYGU1	Hydronic unit on user side with an on-off pump	SNATEX	Non-ATEX disconnecter switch for outdoor assembly in a remote position (sizes 16.2 to 40.2)
HYGU1V	Hydronic unit on user side with one inverter pump (sizes 45.2 to 55.2)	SNB	Main disconnecting switch on the unit (standard on sizes 45.2 to 55.2)
HYGU1VI	Hydronic unit on user side with an integrated inverter pump (sizes 16.2 to 40.2)	AVIBI	Advanced remote control module for auxiliary controls of sheen/storm units
HYGU2	Hydronic unit on user side with 2 on-off pumps (sizes 45.2 to 55.2)	AVIBX	Anti-vibration mount support
HYGU2V	Hydronic unit on user side with 2 inverter pumps (sizes 45.2 to 55.2)	AMMSX	Spring anti-seismic antivibration mounts
ACC	Storage tank	PGFC	Finned coil protection grilles
IFWX	Steel mesh filter on the water side	PGFCX	Finned coil protection grilles
IFWI	Steel mesh strainer on the water side include in the packaging	CCME	Microchannel e-coated coil
REMAU	Additional board for advanced function management (sizes 45.2 to 55.2)	IOTX	IoT industrial module for cloud based interoperability & services
REMAUX	Advanced remote control module for auxiliary controls of sheen/storm units	FEMC	EMC filtering for residential, commercial and light industrial environments for reduced emissions (sizes 30.2 to 40.2)

Accessories whose code ends with "X" are supplied separately