

LARGE EVO

Air-cooled liquid chiller for outdoor installation.
Capacity from 110 to 252 kW



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



INTELLIPLANT



compliant ErP

- ✓ Full inverter technology with scroll or rotary compressors
- ✓ High temperature solution for harsh climates
- ✓ Excellence version for greater efficiency, Premium version for reduced initial investment
- ✓ Refrigerant R32 - GWP = 675
- ✓ Operation at 48°C outdoor air temperature, chilled water down to -8°C
- ✓ Three acoustic configurations: standard, silent and super-silent
- ✓ Modular operation management, up to 8 units in cascade
- ✓ Integrated hydronic assembly, system tank and partial heat recovery

Versions and configurations

VERSION:

EXC Excellence (standard)
PRM Premium

TYPE OF FANS:

VENDC DC high efficiency fan (Standard)

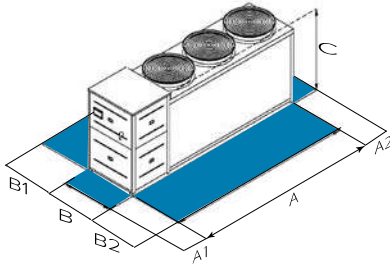
ENERGY RECOVERY:

- Energy recovery: not required (Standard)
D Partial energy recovery

ACOUSTIC CONFIGURATION:

SC Acoustic configuration with compressor soundproofing (Standard)
LN Silenced acoustic configuration
EN Supersilenced acoustic configuration

Dimensions and connections



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

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.

Size		WISAT-YEE1	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4	90.4
SC-EXC	A - Length	mm	3310	3310	3310	3310	4300	4300	4300	4300	4300	4300
SC-EXC	B - Width	mm	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
SC-EXC	C - Height	mm	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
SC-EXC	A1	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
SC-EXC	A2	mm	800	800	800	800	800	800	800	800	800	800
SC-EXC	B1	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
SC-EXC	B2	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
SC-EXC	Operating weight	kg	894	894	904	904	1154	1154	1180	1180	1180	1180

Size		WISAT-YEE1	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4	90.4
SC-PRM	A - Length	mm	3310	3310	3310	3310	4300	4300	4300	4300	4300	4300
SC-PRM	B - Width	mm	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
SC-PRM	C - Height	mm	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
SC-PRM	A1	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
SC-PRM	A2	mm	800	800	800	800	800	800	800	800	800	800
SC-PRM	B1	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
SC-PRM	B2	mm	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
SC-PRM	Operating weight	kg	894	894	894	904	1154	1154	1180	1180	1180	1180

Technical data

Size		WISAT-YEE1	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4	90.4	
SC-EXC	Cooling capacity (EN 14511:2022)	(1) kW	110	118	133	142	156	169	183	196	209	226	
SC-EXC	Total power input (EN 14511:2022)	(1) kW	34,2	38,5	46,1	50,3	50,0	54,6	64,0	59,4	65,5	74,2	
SC-EXC	EER (EN 14511:2022)	(1) -	3,22	3,08	2,89	2,82	3,12	3,09	2,86	3,31	3,19	3,04	
SC-EXC	SEER	(3) -	5,07	5,05	4,94	4,93	5,25	5,24	5,19	5,34	5,31	5,28	
SC-EXC	n _{sc}	(3) %	200,0	199,0	194,0	194,0	207,0	207,0	205,0	211,0	210,0	208,0	
SC-EXC	Refrigeration circuits	Nr	2										
SC-EXC	No. of compressors	Nr	4										
SC-EXC	Type of compressors	-	ROTARY INVERTER				*	SCROLL INVERTER					
SC-EXC	Refrigerant	-	R-32										
SC-EXC	Standard power supply	V	400/3N~/50										
SC-EXC	Sound power level	(2) dB(A)	84	84	84	84	85	85	85	88	89	89	
LN-EXC	Sound power level	(2) dB(A)	81	81	81	81	82	82	82	84	85	85	
EN-EXC	Sound power level	(2) dB(A)	78	78	78	78	79	79	79	80	81	81	

Size		WISAT-YEE1	45.4	50.4	55.4	60.4	65.4	70.4	75.4	80.4	85.4	90.4	
SC-PRM	Cooling capacity (EN 14511:2022)	(1) kW	125	135	143	155	174	192	211	226	241	252	
SC-PRM	Total power input (EN 14511:2022)	(1) kW	44,2	49,2	53,5	58,8	62,4	73,2	71,6	78,1	80,3	86,0	
SC-PRM	EER (EN 14511:2022)	(1) -	2,83	2,74	2,67	2,64	2,79	2,63	2,94	2,90	3,00	2,93	
SC-PRM	SEER	(3) -	4,76	4,71	4,70	4,77	4,91	4,90	5,06	5,03	5,06	5,05	
SC-PRM	n _{sc}	(3) %	188,0	185,0	185,0	188,0	193,0	193,0	199,0	198,0	199,0	199,0	
SC-PRM	Refrigeration circuits	Nr	2										
SC-PRM	No. of compressors	Nr	4										
SC-PRM	Type of compressors	-	ROTARY INVERTER				*	SCROLL INVERTER					
SC-PRM	Refrigerant	-	R-32										
SC-PRM	Standard power supply	V	400/3N~/50										
SC-PRM	Sound power level	(2) dB(A)	86	86	86	87	87	90	91	91	91	91	
LN-PRM	Sound power level	(2) dB(A)	83	83	83	84	84	87	88	88	88	88	
EN-PRM	Sound power level	(2) dB(A)	80	80	80	81	81	84	85	85	85	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

1PM	Hydronic unit on user side with 1 on-off pump	CMSC13	Serial communication module for Modbus TCP/IP, BACnet IP, BACnet MSTP superviso
1PMH	Hydronic unit on user side with 1 high head on-off pump	REMAU	Additional board for advanced function management
1PMV	Hydronic unit on user side with 1 inverter pump	RPR	Refrigerant leak detector
1PMVH	Hydronic unit on user side with 1 high head inverter pump	AVIBX	Anti-vibration mount support
1P1SB	Hydronic unit on user side with 1+1 on-off pump	AMMSX	Spring anti-seismic antivibration mounts
1PAP+S	Hydronic unit on user side with 1+1 on-off high head pump	PGFC	Finned coil protection grilles
1P1SBV	Hydronic unit on user side with 1+1 inverter pump	PGFCX	Finned coil protection grilles
1PAPSV	Hydronic unit on user side with 1+1 high head inverter pump	PGCCH	Anti-hail protection grilles
ACC	Storage tank	PGCCHX	Anti-hail protection grilles
IFWX	Steel mesh filter on the water side	IOTX	IoT industrial module for cloud based interoperability & services
ABU	Flush hydraulic connections	CCME	Microchannel coil

Accessories whose code ends with "X" are supplied separately