HYDRONIC

SPINCHILLER[4]

Liquid chiller
Air cooled
Outdoor installation
Capacity from 720 to 939 kW

✓ Scroll compressors, microchannel coils and two independent circuits for high reliability

✓ Excellence version with very high seasonal efficiency, Premium version with high seasonal efficiency, with extremely compact dimensions

✓ Refrigerant R32 - GWP = 675

✓ Operation down to +50°C outdoor air temperature, low water temperature down to -8°C

✓ Plate heat exchanger or shell & tube exchanger

✓ Three acoustic configurations

✓ Modular operation management, up to 8 units in cascade

✓ Integrated hydronic assembly, system tank and partial heat recovery

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

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

ErP ✓ compliant ErP

functions and features

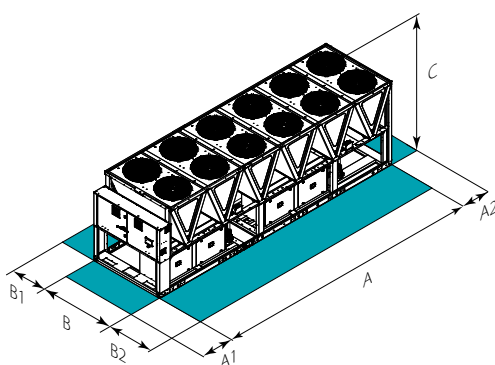| Cooling only | Air cooled | Outdoor installation | R-32 | Hermetic Scroll | Electronic expansion valve | ECOBREEZE | HydroPack | Intelliplant |

dimensions and clearances

Size	▶▶ WSAT-YSC4		265.6	290.7	310.7	350.8
SC-EXC	A - Length	mm	6665	6665	6665	7919
SC-EXC	B - Width	mm	2228	2228	2228	2228
SC-EXC	C - Height	mm	2538	2538	2538	2538
SC-EXC	A1	mm	1500	1500	1500	1500
SC-EXC	A2	mm	700	700	700	700
SC-EXC	B1	mm	1200	1200	1200	1200
SC-EXC	B2	mm	2250	2250	2250	2250
SC-EXC	Operating weight	kg	3954	4147	4192	4801

Size	▶▶ WSAT-YSC4		265.6	290.7	310.7	350.8
SC-PRM	A - Length	mm	6665	6665	6665	7919
SC-PRM	B - Width	mm	2228	2228	2228	2228
SC-PRM	C - Height	mm	2538	2538	2538	2538
SC-PRM	A1	mm	1500	1500	1500	1500
SC-PRM	A2	mm	700	700	700	700
SC-PRM	B1	mm	1200	1200	1200	1200
SC-PRM	B2	mm	2250	2250	2250	2250
SC-PRM	Operating weight	kg	3954	4147	4192	4801

CAUTION!

For trouble-free operation of the unit it is essential to maintain the safety distances indicated by the green 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.

SC-EXC Compressors soundproofing (SC)-Excellence
SC-PRM Compressors soundproofing (SC)-Premium

CLIVET

versions and configurations

VERSION:

EXC Excellence (Standard)
PRM Premium

EXTERNAL SECTION FAN CONSUMPTION REDUCTION:

CREFB ECOBREEZE type outdoor section fans consumption reduction device (Standard in the Excellence version)
CREFP Variable speed outdoor section fans consumption reduction device (phase cutting) (Standard in the Premium version)

ENERGY RECOVERY:

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

EVAPORATOR

EVPHE Plate heat exchanger (Standard)
EVFTP Shell and tube evaporator PED test

ACOUSTIC CONFIGURATION:

ST Standard acoustic configuration
SC Acoustic configuration with compressor soundproofing (Standard)
EN Super-silenced acoustic configuration

technical data

Size	▶▶ WSAT-YSC4			265.6	290.7	310.7	350.8
ST/SC-EXC	◆ Cooling capacity (EN 14511:2022)	(1)	kW	720	780	814	939
ST/SC-EXC	Total power input (EN 14511:2022)	(1)	kW	232	259	279	314
ST/SC-EXC	EER (EN 14511:2022)	(1)	-	3,10	3,01	2,92	3,00
ST/SC-EXC	SEER	(3)	-	5,28	5,26	5,23	5,22
ST/SC-EXC	$\eta_{s,c}$	(3)	%	208,2	207,4	206,2	205,8
ST/SC-EXC	Refrigeration circuits		Nr			2	
ST/SC-EXC	No. of compressors		Nr	6		7	8
ST/SC-EXC	Type of compressors		-		SCROLL		
ST/SC-EXC	Refrigerant		-		R-32		
ST/SC-EXC	Standard power supply		V		400/3~/50		
ST-EXC	Sound power level	(2)	dB(A)	97	97	98	98
SC-EXC	Sound power level	(2)	dB(A)	94	94	95	95
EN-EXC	Sound power level	(2)	dB(A)	90	90	91	91

Size	▶▶ WSAT-YSC4			265.6	290.7	310.7	350.8
ST/SC-PRM	◆ Cooling capacity (EN 14511:2022)	(1)	kW	720	780	814	939
ST/SC-PRM	Total power input (EN 14511:2022)	(1)	kW	232	259	279	314
ST/SC-PRM	EER (EN 14511:2022)	(1)	-	3,10	3,01	2,92	3,00
ST/SC-PRM	SEER	(3)	-	5,03	5,01	4,98	4,94
ST/SC-PRM	$\eta_{s,c}$	(3)	%	198,2	197,4	196,2	194,6
ST/SC-PRM	Refrigeration circuits		Nr			2	
ST/SC-PRM	No. of compressors		Nr	6		7	8
ST/SC-PRM	Type of compressors		-		SCROLL		
ST/SC-PRM	Refrigerant		-		R-32		
ST/SC-PRM	Standard power supply		V		400/3~/50		
ST-PRM	Sound power level	(2)	dB(A)	97	97	98	98
SC-PRM	Sound power level	(2)	dB(A)	94	94	95	95
EN-PRM	Sound power level	(2)	dB(A)	90	90	91	91

(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 14825:2018 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

2PM	Hydropack user side with 2 pumps	**ECS**	ECOSHARE function for the automatic management of a group of units
2PMV	Hydropack user side with no.2 of inverter pumps	**PFCC**	Power factor correction capacitors (cosfi > 0.95)
1P1SB	Hydropack user side with 1+1 on-off pump	**SFSTR**	Disposal for inrush current reduction
1P1SBV	Hydropack on user side with one inverter pump and one stand-by pump with dedicated inverter	**RE-25**	Electrical panel antifreeze protection for min. outdoor temperature down to -25°C
IVFDT	Inverter driven variable flow-rate user side control depending on the temperature differential	**RE-39**	Electrical panel antifreeze protection for min. outdoor temperature down to -39°C
IFWX	Steel mesh strainer on the water side	**SDV**	Cutoff valve on compressor supply and return
CSVX	Couple of manually operated shut-off valves	**RPRI**	Refrigerant leak detector in the casing
ACC	Storage tank	**DML4-20**	Demand limit with 4-20 mA
AMMX	Spring antivibration mounts	**DML0-10**	Demand limit with 0-10 V
AMMSX	Anti-seismic spring antivibration mounts	**PFGP**	Soundproofing paneling of the pumping unit
CONTA2	Energy meter	**PSWSA**	Differential pressure switch water side with antifreeze protection
RCMRX	Remote control via microprocessor control	**PPBM**	Microchannel coils protection panels
PSX	Mains power supply	**PGCC**	Finned coil protection grilles and compressor compartment
CMSC10	Serial communication module for LonWorks supervisor	**CCME**	Microchannel e-coated coil
CMSC9	Serial communication module for Modbus supervisor	**RDVS**	Switching valve with dual safety valves
CMSC11	Serial communication module for BACnet-IP supervisor	**IOTX**	IoT industrial module for cloud based interoperability & services
SCP4	Set-point compensation with 0-10 V		
SPC1	Set-point compensation with 4-20 mA		

Accessories whose code ends with "X" are supplied separately