

SPINchiller⁴

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



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

HYDRONIC

functions and features



Cooling only



Air cooled



Outdoor installation



R-32



Hermetic Scroll



Electronic expansion valve



ECOBREEZE

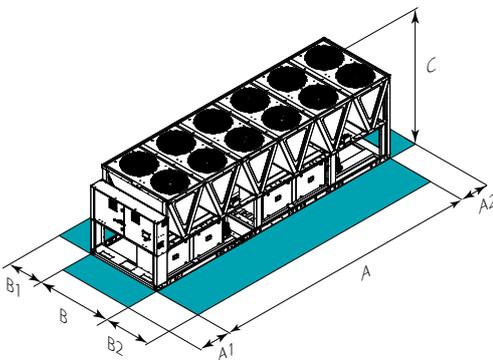


HydroPack



Intelliplant

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-YSC4	265.6	290.7	310.7	350.8
SC-EXC	A - Length	mm	6680	6680	6680	7920
SC-EXC	B - Width	mm	2228	2228	2228	2228
SC-EXC	C - Height	mm	2535	2535	2535	2535
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	6680	6680	6680	7920
SC-PRM	B - Width	mm	2228	2228	2228	2228
SC-PRM	C - Height	mm	2535	2535	2535	2535
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

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

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

EVPH	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	η_{sc}	(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
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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	η_{sc}	(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	
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(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	SDV	Cutoff valve on compressor supply and return
IFWX	Steel mesh strainer on the water side	AMMSX	Anti-seismic spring antivibration mounts
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	Rubber antivibration mounts	DML0-10	Demand limit with 0-10 V
CONTA2	Energy meter	PFGP	Soundproofing paneling of the pumping unit
RCMRX	Remote control via microprocessor control	PSWSA	Differential pressure switch water side with antifreeze protection
PSX	Mains power supply	PPBM	Microchannel coils protection panels
CMSC10	Serial communication module for LonWorks supervisor	PGCC	Finned coil protection grilles and compressor compartment
CMSC9	Serial communication module for Modbus supervisor	CCME	Microchannel e-coated coil
CMSC11	Serial communication module for BACnet-IP supervisor	RE-39	Electrical panel antifreeze protection for min. outdoor temperature down to -39°C
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