

SCREWLine³-i

Water chiller
 Air cooled
 Outdoor installation
Capacity from 556 to 1282 kW



The SCREWLine³-i liquid chillers are equipped with variable-speed screw compressors driven by an INVERTER and filled with R-134a refrigerant.

- **TWO INDEPENDENT CIRCUITS:** both refrigeration circuits adopt compact screw compressors with integrated inverter, for maximum reliability and durability. The WDAT-iL3 series features top-ranking seasonal efficiency. In addition, it is extremely silent at low loads.
- **EFFICIENT AND RELIABLE TECHNOLOGY:** SCREWLine³-i comes with electronic expansion valves, shell and tube evaporator and high-efficiency axial fans.



Unit listed on
www.eurovent-certification.com



ErP
 compliant



functions and features



Cooling only



Air cooled



Outdoor installation



R-134a



Semi-hermetic
 Twin-screw



Screw
 Inverter



HydroPack



AxiTop

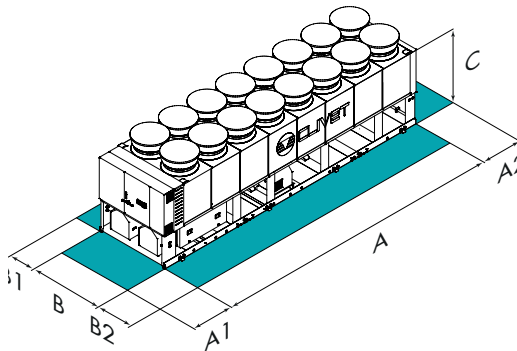


Electronic
 expansion
 valve



Intelliplant

dimensions and clearances



Size	WDAT-iL3	250.2	280.2	320.2	360.2	400.2	420.2	440.2	480.2	540.2	580.2
SC-PRM A - Length	mm	4788	5760	6738	7714	8691	8691	8691	10640	10640	10640
SC-PRM B - Width	mm	2246	2246	2246	2246	2246	2246	2246	2246	2246	2246
SC-PRM C - Height	mm	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
SC-PRM A1	mm	1535	1535	1535	1535	1535	1535	1535	1535	1535	1535
SC-PRM A2	mm	700	700	700	700	700	700	700	700	700	700
SC-PRM B1	mm	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
SC-PRM B2	mm	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
SC-PRM Operating weight	mm	5058	5658	6339	7303	7738	8251	8698	9610	9610	9610

The above mentioned data are referred to standard units for the constructive configurations indicated.

SC-PRM Compressors insulation (SC)-Premium

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

versions and configurations

LOW TEMPERATURE:

- Low temperature: not required (Standard)
- B** Water low temperature

VERSION:

- PRM** Premium (Standard)

ACOUSTIC CONFIGURATION:

- SC** Acoustic configuration with compressor soundproofing (Standard)

ENERGY RECOVERY:

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

EXTERNAL SECTION FAN CONSUMPTION REDUCTION:

- CREFP** Device for fan consumption reduction of the external section at variable speed (phase-cutting) (Standard)
- CREFB** Device for fan consumption reduction of the external section, ECOBREEZE type

TYPE FAN EXTERNAL SECTION:

- NAXI** High efficiency diffuser for axial fan - AxiTop: not required
- AXIX** High efficiency diffuser for axial fan - AxiTop (Standard)

technical data

Size	WDAT-il3	250.2	280.2	320.2	360.2	400.2	420.2	440.2	480.2	540.2	580.2	
SC-PRM	▶ Cooling capacity (EN14511:2018)	(1) kW	556	616	712	802	902	954	997	1077	1169	1282
SC-PRM	Total power input (EN14511:2018)	(1) kW	199	225	251	282	311	353	357	398	421	463
SC-PRM	EER (EN14511:2018)	(1) -	2,80	2,74	2,84	2,84	2,90	2,71	2,79	2,71	2,78	2,77
SC-PRM	SEER	(4) -	4,63	4,57	4,59	4,61	4,68	4,68	4,67	4,72	4,77	4,79
SC-PRM	$\eta_{s,c}$	(4) %	182,2	180,0	180,6	181,3	184,0	184,3	183,6	185,7	187,9	188,8
SC-PRM	Refrigeration circuits	Nr	2									
SC-PRM	No. of compressors	Nr	2									
SC-PRM	Type of compressors	(2) -	ISW									
SC-PRM	Standard power supply	V	400/3/50									
SC-PRM	Sound pressure level	(3) dB(A)	80	80	80	81	81	81	81	82	82	82

- (1) Data calculated in compliance with Standard EN 14511:2018 referred to the following conditions: Internal exchanger water = 12/7°C; External exchanger entering air = 35°C
- (2) ISW = screw compressor with integrated inverter
- (3) Sound levels refer to full load units, in test nominal conditions. The sound pressure level refers to 1 m. from the standard unit outer surface operating in open field. Measurements are carried out according to the UNI EN ISO 9614-2 standard, in compliance with the EUROVENT 8/1 certification. Data referred to the following conditions: Internal exchanger water = 12/7°C; Entering external exchanger air temperature 35°C
- (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 2016/2281, also known as Ecodesign Lot21.

SC-PRM Compressors insulation (SC)-Premium

accessories

2PM	Hydropack user side with 2 pumps	PGCCH	Anti-hail protection grilles
2PMV	Hydropack user side with no.2 of inverter pumps	TPS	Frame protective treatment
IVFDT	Inverter driven variable flow-rate user side control depending on the temperature differential	CONTA2	Energy meter
IFWX	Steel mesh strainer on the water side	RCMRX	Remote control via microprocessor control
CSVX	Couple of manually operated shut-off valves	PSX	Mains power supply
CCCA	Copper / aluminium condenser coil with acrylic lining	CMSC9	Serial communication module for Modbus supervisor
CCCA1	Condenser coil with Aluminium Energy Guard DCC treatment	CMSC10	Serial communication module for LonWorks supervisor
REGBT	Device for the condensing coil partialization	CMSC11	Serial communication module for BACnet-IP supervisor
AMMX	Spring antivibration mounts	RPRI	Refrigerant leak detector in the casing
AMMSX	Spring anti-seismic antivibration mounts	SCP4	Set-point compensation with 0-10 V signal
PGCC	Finned coil protection grilles and compressor compartment	SPC2	Set-point compensation with outdoor air temperature probe

Accessories whose code ends with "X" are supplied separately