

Technical Data

WSA 480		WSA-480	WSA-480SL	WSA-480FC
Cooling Capacity	kW	1122	1053	1088
Power Consumption		351	363	366
Working limits ambient temperature	°C	-18* / +46	-18* / +46	-18* / +46
Working limits water outlet temperature	°C	-5* / +25	-5* / +25	-5* / +25
Refrigerant	Type	R134a	R134a	R134a
Power supply	V/ph/Hz	400 / 3 / 50	400 / 3 / 50	400 / 3 / 50
Secondary power supply	Vac	230	230	230
Max. power consumption	kW	844	844	844
Max. absorbed current	A	499	499	499
Starting current	A	1134	1134	1134
Height x width x depth	mm	2473 x 2278 x 6960	2473 x 2278 x 6960	2473 x 2278 x 6960
Noise level	dB(A)	72,6	72,6	72,6
Compressor				
Cooling Circuit	n°	2	2	2
Semi-Hermetic Double Screw compressor	n°	2	2	2
Partialization	%	12,5...100	12,5...100	12,5...100
Max. power consumption	kW	444	444	444
Max. absorbed current	A	720	720	720
Power consumption W7L35	kW	303	303	318
Absorbed current W7L35	A	485	485	505,8
Fans				
Axial fans	n°	24	24	24
Fan flow	m³/h	418070	280155	336812
Max. Power consumption	kW	52,8	52,8	52,8
Max. absorbed current	A	113,5	113,5	113,5
Power Consumption W7L35	kW	48	30	48
Absorbed Current W7L35	A	103	60	103
Hydraulic				
Coolant liquid	Type	Water		
Inlet temperature	°C	12	12	12
Outlet temperature	°C	7	7	7
Water flow	m³/h	193	181	192,5
Pressure drops	kPa	41	181	40,68
Water connections	Inches	8	8	8
FC				
Cooling capacity W10L(see below)	kW	-	-	1100
Temperature of total FC	°C	-	-	0
Flow of fluid to be cooled	m³/h	-	-	189
Pressure drop	kPa	-	-	44
EER				
EER		3,19	2,90	2,97
ESEER (ISO14511)		4,64	4,72	4,49
IPLV		4,47	4,67	4,32

Evaporator water (in/out) 12/7 °C; condenser air (in) 35 °C;
Average sound pressure level at 10 m distance; unit in a free field on a reflective surface.
According to ISO 3744. Unit at full capacity. Pump contribution is not considered.
*In case of applications with an output fluid temperature below +5 °C, please contact the manufacturer.

FC

30% Glycol-Water solution. Evaporator solution IN/OUT= 15/10 °C; Condenser air 30 °C
Average sound pressure level, at 10m distance, unit in a free field on a reflective surface.
Unit at full capacity. According to ISO 3744. Pumps contribution is not considered.
* In case of applications with output fluid temperature below 0°C, please contact the manufacturer