

Technical Data

WSA 440		WSA-440	WSA-440SL	WSA-440FC
Cooling Capacity	kW	1032	958	1004
Power Consumption		354	379	370
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	726	726	726
Max. absorbed current	A	445	445	445
Starting current	A	992	992	992
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)	71,7	71,7	71,7
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	408	408	408
Max. absorbed current	A	640	640	640
Power consumption W7L35	kW	322	322	337
Absorbed current W7L35	A	479	479	501,2
Fans				
Axial fans	n°	16	16	16
Fan flow	m³/h	288480	199135	240253
Max. Power consumption	kW	35,2	35,2	35,2
Max. absorbed current	A	75,7	75,7	75,7
Power Consumption W7L35	kW	32	20	32
Absorbed Current W7L35	A	68,8	40	68,8
Hydraulic				
Coolant liquid	Type	Water		
Inlet temperature	°C	12	12	12
Outlet temperature	°C	7	7	7
Water flow	m³/h	177	164	177,1
Pressure drops	kPa	32	42	31,99
Water connections	Inches	8	8	8
FC				
Cooling capacity W10L(see below)	kW	-	-	1004
Temperature of total FC	°C	-	-	-3
Flow of fluid to be cooled	m³/h	-	-	173
Pressure drop	kPa	-	-	80
EER				
EER		2,91	2,52	2,72
ESEER (ISO14511)		4,66	4,59	4,30
IPLV		4,55	4,53	4,41

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