

Technical Data

WSA 220		WSA-220	WSA-220SL	WSA-220FC
Cooling Capacity	kW	482	442	469
Power Consumption		164	175	172
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	412	412	412
Max. absorbed current	A	240	240	240
Starting current	A	750	750	750
Height x width x depth	mm	2473 x 2278 x 4240	2473 x 2278 x 4240	2473 x 2278 x 4240
Noise level	dB(A)	70,5	70,5	70,5
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	220	220	220
Max. absorbed current	A	364	364	364
Power consumption W7L35	kW	148	148	156
Absorbed current W7L35	A	243	243	253,9
Fans				
Axial fans	n°	8	8	8
Fan flow	m³/h	144240	99570	120127
Max. Power consumption	kW	17,6	17,6	17,6
Max. absorbed current	A	37,8	37,8	37,8
Power Consumption W7L35	kW	16	10	16
Absorbed Current W7L35	A	34,4	20	34,4
Hydraulic				
Coolant liquid	Type	Water		
Inlet temperature	°C	12	12	12
Outlet temperature	°C	7	7	7
Water flow	m³/h	83	76	82,7
Pressure drops	kPa	35	33	34,75
Water connections	Inches	6	6	6
FC				
Cooling capacity W10L(see below)	kW	-	-	472
Temperature of total FC	°C	-	-	-2
Flow of fluid to be cooled	m³/h	-	-	81
Pressure drop	kPa	-	-	72
EER				
EER		2,94	2,52	2,72
ESEER (ISO14511)		4,65	4,64	4,39
IPLV		4,55	4,57	4,43

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