

# Technical Data

WSA 160		WSA-160	WSA-160SL	WSA-160FC
Cooling Capacity	kW	376	360	366
Power Consumption		121	122	126
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	336	336	336
Max. absorbed current	A	196	196	196
Starting current	A	586	586	586
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)	68,9	68,9	68,9
<b>Compressor</b>				
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	176	176	176
Max. absorbed current	A	288	288	288
Power consumption W7L35	kW	105	105	110
Absorbed current W7L35	A	163	163	169,4
<b>Fans</b>				
Axial fans	n°	8	8	8
Fan flow	m³/h	148820	111280	122250
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
<b>Hydraulic</b>				
Coolant liquid	Type	Water		
Inlet temperature	°C	12	12	12
Outlet temperature	°C	7	7	7
Water flow	m³/h	64	62	64,4
Pressure drops	kPa	44	32	44,01
Water connections	Inches	6	6	6
<b>FC</b>				
Cooling capacity W10L(see below)	kW	-	-	376
Temperature of total FC	°C	-	-	0,5
Flow of fluid to be cooled	m³/h	-	-	65
Pressure drop	kPa	-	-	46
<b>EER</b>				
EER		3,10	2,94	2,91
ESEER (ISO14511)		4,43	4,59	4,33
IPLV		4,35	4,63	4,23

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