



Engineering Data  
Rev 12 - 24/09/2020

## Engineering Data SPS032 - Air Cooled

Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C) 50 / 60 Hz	192 / 218	211 / 237	232 / 261
Air Pressure Drop (bar) 50 / 60 Hz	0,17 / 0,22	0,20 / 0,26	0,24 / 0,30
Air Temperature at Dryer Outlet (°C) 50 / 60 Hz	28,6 / 28,5	29,0 / 28,8	29,3 / 29,1
Compressor Absorbed Power (kW) 50 / 60 Hz	0,3 / 0,37	0,32 / 0,40	0,34 / 0,42
Condenser Heat Rejected (kW) 50 / 60 Hz	1,34 / 1,56	1,42 / 1,65	1,51 / 1,74
<b>REFERENCE DATA</b>			
Working Pressure (bar g)		7	
Inlet Air Temperature (°C)		35	
Ambient Temperature (°C)		25	
Relative Humidity (%)		100	
<b>GENERAL DATA</b>			
Condenser Airflow (m³/h) / number of fans		555 / 1	
Maximum Operating Pressure (bar g)		16	
Sound Pressure Level (dBA) (1 m free field) *		55	
Refrigerant Type		R513A	
Fridge Compressor Type / n°		Hermetic Pistons / 1	
Refrigerant Quantity (kg)		0,34	
Capacity Control		Automatic Expansion Valve	
Expansion System		Automatic Expansion Valve	
Air-to-air Heat Exchanger		Aluminium plate fins	
Air-to-refrigerant Heat Exchanger		Aluminium plate fins	
Number of Heat Exchangers		1	
Separator Type		Demister	
Standard Drain Type		Timed Drain / Capacitive Drain**	
<b>PIPING CONNECTIONS</b>			
Air Inlet / Outlet		1" BSP - F	
Condensate Drain Outlet		½" BSP - F	
<b>DIMENSIONS + WEIGHT</b>			
Width (mm)		400	
Height (mm)		650	
Depth (mm)		630	
Weight (kg)		46	
<b>ELECTRICAL DATA</b>			
Electrical Supply (+/- 10%) (AC)		230V / 1 ph / 50 - 60Hz	
F.L.A. Current (Amps)		3,18	
Total Installed Power (kW)		0,45	
M.O.P. Current (Amps)		15	
M.C.A. Current (Amps)		4	
Control Type		Electronic	
Electrical Protection Class (Std.)		IP 22	

PERFORMANCE IN ACCORDANCE WITH ISO 7183

\*Sound pressure level in accordance with ISO 3746

\*\* On version with Energy Saving

Operating limits:

Max / Min Ambient Temperature (°C): 50 / 5

Max / Min Air Inlet Temperature (°C): 65 / 5