



Engineering Data
Rev 12 - 24/09/2020

Engineering Data SPS004 - Air Cooled

Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C) 50 / 60 Hz	24 / 28	27 / 32	31 / 36
Air Pressure Drop (bar) 50 / 60 Hz	0,04 / 0,05	0,05 / 0,06	0,06 / 0,09
Air Temperature at Dryer Outlet (°C) 50 / 60 Hz	19,7 / 19,4	20,4 / 20,2	21,3 / 21,0
Compressor Absorbed Power (kW) 50 / 60 Hz	0,13 / 0,16	0,14 / 0,16	0,14 / 0,17
Condenser Heat Rejected (kW) 50 / 60 Hz	0,33 / 0,40	0,36 / 0,43	0,38 / 0,46
REFERENCE DATA			
Working Pressure (bar g)		7	
Inlet Air Temperature (°C)		35	
Ambient Temperature (°C)		25	
Relative Humidity (%)		100	
GENERAL DATA			
Condenser Airflow (m³/h) / number of fans		90 / 1	
Maximum Operating Pressure (bar g)		16	
Sound Pressure Level (dBA) (1 m free field)*		50	
Refrigerant Type		R513A	
Fridge Compressor Type / n°		Hermetic Pistons / 1	
Refrigerant Quantity (kg)		0,16	
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	
PIPING CONNECTIONS			
Air Inlet / Outlet		½" BSP - F	
Condensate Drain Outlet		½" BSP - F	
DIMENSIONS + WEIGHT			
Width (mm)		300	
Height (mm)		520	
Depth (mm)		400	
Weight (kg)		24	
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)		230V / 1 ph / 50 - 60Hz	
F.L.A. Current (Amps)		1,69	
Total Installed Power (kW)		0,3	
M.O.P. Current (Amps)		15	
M.C.A. Current (Amps)		2,5	
Control Type		Electronic	
Electrical Protection Class (Std.)		IP 22	

PERFORMANCE IN ACCORDANCE WITH ISO 7183
*Sound pressure level in accordance with ISO 3746

Operating limits:
Max / Min Ambient Temperature (°C): 50 / 5
Max / Min Air Inlet Temperature (°C): 65 / 5