

Engineering Data PSE140 - Air Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	840 / 907	926 / 1003	1011 / 1100
Air Pressure Drop (bar)	0,15 / 0,175	0,18 / 0,215	0,22 / 0,26
Air Temperature at Dryer Outlet (°C)	26,5 / 26,2	26,8 / 26,8	27,1 / 27,1
Adsorbed power (kW) *	1,32 / 1,7	1,41 / 1,83	1,47 / 1,89
Condenser Heat Rejected (kW)	6,55 / 7,37	6,96 / 7,82	7,31 / 8,2
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		2000 / 1	
Maximum Operating Pressure (bar g)		14	
Sound Pressure Level (dBA) (1 m free field)**		58	
Refrigerant Type		R513A	
Fridge Compressor Type / n°		Hermetic Scroll / 1	
Refrigerant Quantity (kg)		1,9	
Capacity Control		Cycling	
Expansion System		Capillary Tube	
Air-to-air Heat Exchanger		Aluminium plate fins	
Air-to-refrigerant Heat Exchanger		Aluminium plate fins	
Number of Heat Exchangers		1	
Separator Type		Demister	
Drain Type		Integrated or Electronic	
PIPING CONNECTIONS			
Air Inlet / Outlet		2" BSPP – F / 2" NPT with adapter	
Condensate Drain Inlet		½" BSP - F	
Condensate Drain Outlet ***		3/8" BSP - F	
DIMENSIONS + WEIGHT			
Width (mm)		703	
Height (mm)		1365	
Depth (mm)		1150	
Weight (kg)		205	
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)		400V / 3Ph / 50 Hz- 460V / 3Ph / 60Hz	
L.R.A. Current (Amps)		47.3	
F.L.A. Current (Amps)		6.6	
M.O.P. Current (Amps)		10	
M.C.A. Current (Amps)		8.5	
Total Installed Power (kW)		2,9 – 3.5	
Control Type		Microprocessor Touch	
Fieldbus		Modbus RTU su RS485	
Electrical Protection Class (Std.)		IP44	

PERFORMANCE IN ACCORDANCE WITH ISO 7183

* Compressor Absorbed Power (kW)

** Sound pressure level in accordance with ISO 3746

*** With Integrated Drain

Operating limits:

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

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