

Engineering Data PSE300 - Air Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	1801 / 1941	2006 / 2167	2232 / 2426
Air Pressure Drop (bar)	0,17 / 0,2	0,21 / 0,247	0,26 / 0,31
Air Temperature at Dryer Outlet (°C)	27,4 / 27,3	27,7 / 27,5	28,1 / 28,1
Adsorbed power (kW) *	2,62 / 3,27	2,69 / 3,35	2,76 / 3,44
Condenser Heat Rejected (kW)	13,17 / 14,81	14,03 / 15,7	14,8 / 16,54
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	5000 / 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)	2,5		
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	2½" BSPP – F / 2" ½ NPT with adapter		
Condensate Drain Inlet	½" BSP - F		
Condensate Drain Outlet ***	3/8" BSP - F		
DIMENSIONS + WEIGHT			
Width (mm)	703		
Height (mm)	1410		
Depth (mm)	1151		
Weight (kg)	264		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V / 3Ph / 50 Hz- 460V / 3Ph / 60Hz		
L.R.A. Current (Amps)	92		
F.L.A. Current (Amps)	10,7		
M.O.P. Current (Amps)	20		
M.C.A. Current (Amps)	13		
Total Installed Power (kW)	6,2 – 7,6		
Control Type	Microprocessor Touch		
Fieldbus	Modbus RTU su RS485 - TCP/IP su RJ45		
Electrical Protection Class (Std.)	IP54		

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