Engineering Data
Rev 03 – 28/10/2020

Engineering Data PSE1200 - Air Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	7202 / 7957	8012 / 9028	8931 / 9966
Air Pressure Drop (bar)	0,21 / 0,26	0,26 / 0,332	0,326 / 0,405
Air Temperature at Dryer Outlet (°C)	31,5 / 31,5	31,7 / 31,7	32 / 32,0
Adsorbed power (kW) *	9,05 / 11,03	9,18 / 11,,2	9,28 / 11,48
Condenser Heat Rejected (kW)	40,5 / 45,73	43,23 / 48,6	45,85 / 51,25
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	12500 / 2		
Maximum Operating Pressure (bar g)	14		
Sound Pressure Level (dBA) (1 m free field)**	69		
Refrigerant Type	R513A		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	7,6		
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	2		
Separator Type	Demister		
Drain Type	Integrated or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	PN 16 - DN 150 / ANSI 4” 150 LBS		
Condensate Drain Inlet	½” BSP - F		
Condensate Drain Outlet ***	3/8” BSP - F		
DIMENSIONS + WEIGHT			
Width (mm)	1205		
Height (mm)	2055		
Depth (mm)	1974		
Weight (kg)	850		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V / 3Ph / 50 Hz- 460V / 3Ph / 60Hz		
L.R.A. Current (Amps)	229,7		
F.L.A. Current (Amps)	37,8		
M.O.P. Current (Amps)	80		
M.C.A. Current (Amps)	47		
Total Installed Power (kW)	20,2 – 24,2		
Control Type	Microprocessor Advance Touch		
Fieldbus	Modbus RTU e il Modbus TCP/IP su RS485		
Electrical Protection Class (Std.) 20,2 – 24,2	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

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