

Engineering Data PSE900 - Air Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	5397 / 5957	5899 / 6575	6752 / 7491
Air Pressure Drop (bar)	0,226 / 0,27	0,27 / 0,325	0,342 / 0,413
Air Temperature at Dryer Outlet (°C)	30,7 / 30,7	31,0 / 31	31,4 / 31,4
Adsorbed power (kW) *	9,05 / 11,05	9,15 / 11,2	9,28 / 11,35
Condenser Heat Rejected (kW)	34 / 38,6	35,86 / 40,69	38,07 / 43
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		10200 / 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)		7,0	
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)		770	
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 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