

## Engineering Data PSE350 - Air Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	2096 / 2245	2266 / 2469	2523 / 2747
Air Pressure Drop (bar)	0,24 / 0,275	0,281 / 0,334	0,345 / 0,415
Air Temperature at Dryer Outlet (°C)	27,0 / 26,8	27,3 / 27,3	27,7 / 27,7
Adsorbed power (kW) *	3,22 / 4,03	3,3 / 4,13	3,38 / 4,22
Condenser Heat Rejected (kW)	15,77 / 17,67	16,6 / 18,6	17,5 / 19,51
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)		270	
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)		400V / 3Ph / 50 Hz- 460V / 3Ph / 60Hz	
L.R.A. Current (Amps)		105	
F.L.A. Current (Amps)		13.95	
M.O.P. Current (Amps)		25	
M.C.A. Current (Amps)		17.5	
Total Installed Power (kW)		6.6 – 9	
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