

## Engineering Data PSE750 - Air Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	4495 / 4969	4970 / 5571	5630 / 6304
Air Pressure Drop (bar)	0,17 / 0,204	0,21 / 0,253	0,26 / 0,318
Air Temperature at Dryer Outlet (°C)	31,0 / 31,0	31,3 / 31,3	31,5 / 31,5
Adsorbed power (kW) *	6,52 / 7,97	6,57 / 8,02	6,65 / 8,12
Condenser Heat Rejected (kW)	27,3 / 31	28,9 / 32,7	30,7 / 34,7
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		8200 / 1	
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 6" 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)		730	
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)		400V / 3Ph / 50 Hz- 460V / 3Ph / 60Hz	
L.R.A. Current (Amps)		189,7	
F.L.A. Current (Amps)		31,6	
M.O.P. Current (Amps)		65	
M.C.A. Current (Amps)		39	
Total Installed Power (kW)		15 - 18	
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