

Engineering Data PSE520 - Air Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	3116 / 3383	3468 / 3864	3950 / 4271
Air Pressure Drop (bar)	0,22 / 0,25	0,264 / 0,32	0,336 / 0,39
Air Temperature at Dryer Outlet (°C)	30,6 / 30,5	30,9 / 30,9	31,2 / 31
Adsorbed power (kW) *	4,55 / 5,58	4,62 / 5,64	4,69 / 5,71
Condenser Heat Rejected (kW)	19,5 / 22,1	20,8 / 23,47	22 / 24,71
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		5900 / 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)		2.8	
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		PN 16 - DN 100 / ANSI 4" 150 LBS	
Condensate Drain Inlet		½" BSP - F	
Condensate Drain Outlet ***		3/8" BSP - F	
DIMENSIONS + WEIGHT			
Width (mm)		973	
Height (mm)		2055	
Depth (mm)		1287	
Weight (kg)		380	
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)		400V / 3Ph / 50 Hz- 460V / 3Ph / 60Hz	
L.R.A. Current (Amps)		119,5	
F.L.A. Current (Amps)		17,4	
M.O.P. Current (Amps)		35	
M.C.A. Current (Amps)		21,5	
Total Installed Power (kW)		8,9 – 10,4	
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