

## Engineering Data PSE260 - Water Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	1500 / 1650	1671 / 1874	1895 / 2066
Air Pressure Drop (bar)	0,121 / 0,145	0,15 / 0,19	0,19 / 0,23
Air Temperature at Dryer Outlet (°C)	27,8 / 27,6	28,2 / 28,0	28,4 / 28,3
Adsorbed power (kW) *	2,16 / 2,59	2,17 / 2,6	2,17 / 2,61
Condenser Heat Rejected (kW)	10,78 / 12,25	11,5 / 13,02	12,24 / 13,73
REFERENCE DATA			
Working Pressure (bar g)	7		
Inlet Air Temperature (°C)	35		
Ambient Temperature (°C)	25		
Relative Humidity (%)	100		
GENERAL DATA			
Water flow (m³/h)	0,88 / 1,18	1,01 / 1,4	1,18 / 1,66
Water Pressure Drop ****(bar)	0,07 / 0,12	0,09 / 0,16	0,12 / 0,23
Condensing Temperature (°C)	40		
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	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)	1280		
Depth (mm)	1268		
Weight (kg)	262		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V / 3Ph / 50Hz- 460V / 3Ph / 60Hz		
L.R.A. Current (Amps)	80		
F.L.A. Current (Amps)	10,7		
M.O.P. Current (Amps)	20		
M.C.A. Current (Amps)	13		
Total Installed Power (kW)	4,8 - 6		
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

\*\*\*\* The total pressure drop including the water regulator valve is about 1,7 – 2 bar

Operating limits:

Max / Min Ambient Temperature (°C): 50 / 5

Max / Min Air Inlet Temperature (°C): 65 / 5