

Engineering Data PSE630 - Air Cooled 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	3776 / 4204	4210 / 4769	4677 / 5302
Air Pressure Drop (bar)	0,23 / 0,284	0,286 / 0,365	0,353 / 0,452
Air Temperature at Dryer Outlet (°C)	31,3 / 31,3	31,6 / 31,6	31,9 / 31,9
Adsorbed power (kW) *	4,55 / 5,56	4,62 / 5,64	4,67 / 5,72
Condenser Heat Rejected (kW)	21,7 / 24,5	23,18 / 26,1	24,59 / 27,62
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	6600 / 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)	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)	420		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V / 3Ph / 50 Hz- 460V / 3Ph / 60Hz		
L.R.A. Current (Amps)	149,5		
F.L.A. Current (Amps)	20,5		
M.O.P. Current (Amps)	40		
M.C.A. Current (Amps)	25.5		
Total Installed Power (kW)	10 – 11,7		
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