

Engineering Data PST460 - Air Cooled Preliminar Data 50 / 60 Hz

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	2760 / 3005	3027 / 3359	3467 / 3766
Air Pressure Drop (bar)	0,16 / 0,19	0,19 / 0,23	0,244 / 0,284
Air Temperature at Dryer Outlet (°C)	30,7 / 30,6	31,0 / 31,0	31,4 / 31,1
Adsorbed power (kW) *	3,22 / 3,93	3,28 / 3,99	3,32 / 4,06
Condenser Heat Rejected (kW)	16,25 / 18,35	17,23 / 19,47	18,37 / 20,66
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		4900 / 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)		2,6	
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		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)		104,5	
F.L.A. Current (Amps)		14,2	
M.O.P. Current (Amps)		30	
M.C.A. Current (Amps)		17,5	
Total Installed Power (kW)		7,6 – 9,0	
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