

Engineering Data F300HS - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	1800	1982	2196
Air Pressure Drop (bar)	0,17	0,20	0,25
Air Temperature at Dryer Outlet (°C)	27,4	27,7	28,1
Adsorbed power (kW) *	2,41	2,44	2,47
Condenser Heat Rejected (kW)	13,40	14,28	14,98
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	7050 / 1		
Maximum Operating Pressure (bar g)	14		
Sound Pressure Level (dBA) (1 m free field)**	58		
Refrigerant Type	R407C		
Fridge Compressor Type / n°	Hermetic Scroll / 1		
Refrigerant Quantity (kg)	4,3		
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" BSP - F		
Condensate Drain Inlet	½" BSP - F		
Condensate Drain Outlet ***	3/8" BSP - F		
DIMENSIONS + WEIGHT			
Width (mm)	806		
Height (mm)	1316		
Depth (mm)	1166		
Weight (kg)	245		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	400V / 3Ph / 50Hz		
L.R.A. Current (Amps)	55,75		
F.L.A. Current (Amps)	11,2		
Total Installed Power (kW)	5,3		
Control Type	Microprocessor		
Electrical Protection Class (Std.)	IP44		

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