

Engineering Data F76HS - Air Cooled

PERFORMANCE DATA			
Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	450	504	548
Air Pressure Drop (bar)	0,13	0,16	0,19
Air Temperature at Dryer Outlet (°C)	26,4	27,0	27,3
Adsorbed power (kW) *	0,90	0,95	1,00
Condenser Heat Rejected (kW)	3,90	4,09	4,30
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	2830 / 1		
Maximum Operating Pressure (bar g)	14		
Sound Pressure Level (dBA) (1 m free field)**	55		
Refrigerant Type	R407C		
Fridge Compressor Type / n°	Hermetic Pistons / 1		
Refrigerant Quantity (kg)	1,45		
Capacity Control	Hot Gas by-pass		
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	Timed or Electronic		
PIPING CONNECTIONS			
Air Inlet / Outlet	1½" BSP - F		
Condensate Drain Inlet	½" BSP - F		
Condensate Drain Outlet ***	3/8" BSP - F		
DIMENSIONS + WEIGHT			
Width (mm)	703		
Height (mm)	945		
Depth (mm)	562		
Weight (kg)	83		
ELECTRICAL DATA			
Electrical Supply (+/- 10%) (AC)	230V / 1Ph / 50Hz		
L.R.A. Current (Amps)	30		
F.L.A. Current (Amps)	7,3		
Total Installed Power (kW)	1,4		
Control Type	Electronic		
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