

Engineering Data SPH 004 - Air Cooled

PERFORMANCE DATA

Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	25	46	63
Air Pressure Drop (bar)	0,06	0,18	0,31
Air Temperature at Dryer Outlet (°C)	20,6	20,6	21,2
Compressor Absorbed Power (kW)	0,13	0,13	0,14
Condenser Heat Rejected (kW)	0,35	0,37	0,40

REFERENCE DATA

Working Pressure (bar g)	40
Inlet Air Temperature (°C)	35
Ambient Temperature (°C)	25
Relative Humidity (%)	60

GENERAL DATA

Condenser Airflow (m³/h) / number of fans	360 / 1
Maximum Operating Pressure (bar g)	50
Sound Pressure Level (dBA) (1 m free field)*	50
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (kg)	0,17
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Plate Heat Exchanger
Air-to-refrigerant Heat Exchanger	Plate Heat Exchanger
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Timed Drain

PIPING CONNECTIONS

Air Inlet / Outlet	1/2" BSPT-F (female)
Condensate Drain Inlet	1/2" BSPT-M (male)
Condensate Drain Outlet**	1/4" BSPP-F (female)

DIMENSIONS + WEIGHT

Width (mm)	450
Height (mm)	430
Depth (mm)	210
Weight (kg)	22

ELECTRICAL DATA

Electrical Supply (+/- 10%) (AC)	230V/1ph/50Hz
F.L.A. Current (Amps)	1,4
Total Installed Power (kW)	0,26
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ISO 7183

*Sound pressure level in accordance with ISO 3746

**With timed drain

Operating limits:

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

Max / Min Air Inlet Temperature (°C): 65/30

Engineering Data SPH 006 - Air Cooled

PERFORMANCE DATA

Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	37	64	72
Air Pressure Drop (bar)	0,03	0,09	0,11
Air Temperature at Dryer Outlet (°C)	16,2	16,6	17,6
Compressor Absorbed Power (kW)	0,17	0,18	0,19
Condenser Heat Rejected (kW)	0,50	0,53	0,56

REFERENCE DATA

Working Pressure (bar g)	40
Inlet Air Temperature (°C)	35
Ambient Temperature (°C)	25
Relative Humidity (%)	60

GENERAL DATA

Condenser Airflow (m³/h) / number of fans	360 / 1
Maximum Operating Pressure (bar g)	50
Sound Pressure Level (dBA) (1 m free field)*	50
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (kg)	0,17
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Plate Heat Exchanger
Air-to-refrigerant Heat Exchanger	Plate Heat Exchanger
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Timed Drain

PIPING CONNECTIONS

Air Inlet / Outlet	1/2" BSPT-F (female)
Condensate Drain Inlet	1/2" BSPT-M (male)
Condensate Drain Outlet**	1/4" BSPP-F (female)

DIMENSIONS + WEIGHT

Width (mm)	450
Height (mm)	430
Depth (mm)	210
Weight (kg)	22

ELECTRICAL DATA

Electrical Supply (+/- 10%) (AC)	230V/1ph/50Hz
F.L.A. Current (Amps)	1,4
Total Installed Power (kW)	0,26
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ISO 7183

*Sound pressure level in accordance with ISO 3746

**With timed drain

Operating limits:

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

Max / Min Air Inlet Temperature (°C): 65/30

Engineering Data SPH 012 - Air Cooled

PERFORMANCE DATA

Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	75	112	127
Air Pressure Drop (bar)	0,06	0,13	0,16
Air Temperature at Dryer Outlet (°C)	16,4	17,0	18,1
Compressor Absorbed Power (kW)	0,25	0,26	0,28
Condenser Heat Rejected (kW)	0,80	0,85	0,90

REFERENCE DATA

Working Pressure (bar g)	40
Inlet Air Temperature (°C)	35
Ambient Temperature (°C)	25
Relative Humidity (%)	60

GENERAL DATA

Condenser Airflow (m³/h) / number of fans	540 / 1
Maximum Operating Pressure (bar g)	50
Sound Pressure Level (dBA) (1 m free field)*	55
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (kg)	0,24
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Plate Heat Exchanger
Air-to-refrigerant Heat Exchanger	Plate Heat Exchanger
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Timed Drain

PIPING CONNECTIONS

Air Inlet / Outlet	1/2" BSPT-F (female)
Condensate Drain Inlet	1/2" BSPT-M (male)
Condensate Drain Outlet**	1/4" BSPP-F (female)

DIMENSIONS + WEIGHT

Width (mm)	555
Height (mm)	600
Depth (mm)	425
Weight (kg)	26,5

ELECTRICAL DATA

Electrical Supply (+/- 10%) (AC)	230V/1ph/50Hz
F.L.A. Current (Amps)	1,86
Total Installed Power (kW)	0,35
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ISO 7183

*Sound pressure level in accordance with ISO 3746

**With timed drain

Operating limits:

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

Max / Min Air Inlet Temperature (°C): 65/30

Engineering Data SPH 018 - Air Cooled

PERFORMANCE DATA

Pressure Dew Point (°C)	3	5	7
Airflow Capacity (m³/h FAD 20°C)	131	147	165
Air Pressure Drop (bar)	0,04	0,05	0,07
Air Temperature at Dryer Outlet (°C)	13,5	14,7	15,9
Compressor Absorbed Power (kW)	0,57	0,60	0,63
Condenser Heat Rejected (kW)	1,73	1,83	1,93

REFERENCE DATA

Working Pressure (bar g)	40
Inlet Air Temperature (°C)	35
Ambient Temperature (°C)	25
Relative Humidity (%)	60

GENERAL DATA

Condenser Airflow (m³/h) / number of fans	550 / 1
Maximum Operating Pressure (bar g)	50
Sound Pressure Level (dBA) (1 m free field)*	55
Refrigerant Type	R134a
Fridge Compressor Type / n°	Hermetic Pistons / 1
Refrigerant Quantity (kg)	0,24
Expansion System	Automatic Expansion Valve
Air-to-air Heat Exchanger	Plate Heat Exchanger
Air-to-refrigerant Heat Exchanger	Plate Heat Exchanger
Number of Heat Exchangers	1
Separator Type	Demister
Drain Type	Timed Drain

PIPING CONNECTIONS

Air Inlet / Outlet	1/2" BSPT-F (female)
Condensate Drain Inlet	1/2" BSPT-M (male)
Condensate Drain Outlet**	1/4" BSPP-F (female)

DIMENSIONS + WEIGHT

Width (mm)	555
Height (mm)	600
Depth (mm)	425
Weight (kg)	29,5

ELECTRICAL DATA

Electrical Supply (+/- 10%) (AC)	230V/1ph/50Hz
F.L.A. Current (Amps)	3,43
Total Installed Power (kW)	0,59
Control Type	Electromechanical
Electrical Protection Class (Std.)	IP20

PERFORMANCE IN ACCORDANCE WITH ISO 7183

*Sound pressure level in accordance with ISO 3746

**With timed drain

Operating limits:

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

Max / Min Air Inlet Temperature (°C): 65/30