



Engineering Data
Rev 12 - 24/09/2020

Engineering Data SPS040 - Air Cooled

| | | | |
|---|-------------|----------------------------------|-------------|
| Pressure Dew Point (°C) | 3 | 5 | 7 |
| Airflow Capacity (m³/h FAD 20°C) 50 / 60 Hz | 240 / 272 | 262 / 296 | 287 / 323 |
| Air Pressure Drop (bar) 50 / 60 Hz | 0,26 / 0,33 | 0,30 / 0,38 | 0,36 / 0,45 |
| Air Temperature at Dryer Outlet (°C) 50 / 60 Hz | 31,4 / 31,3 | 31,6 / 31,4 | 31,8 / 31,7 |
| Compressor Absorbed Power (kW) 50 / 60 Hz | 0,31 / 0,38 | 0,32 / 0,40 | 0,34 / 0,42 |
| Condenser Heat Rejected (kW) 50 / 60 Hz | 1,38 / 1,61 | 1,46 / 1,70 | 1,55 / 1,80 |
| 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 | | 555 / 1 | |
| Maximum Operating Pressure (bar g) | | 16 | |
| Sound Pressure Level (dBA) (1 m free field) * | | 55 | |
| Refrigerant Type | | R513A | |
| Fridge Compressor Type / n° | | Hermetic Pistons / 1 | |
| Refrigerant Quantity (kg) | | 0,34 | |
| Capacity Control | | Automatic Expansion Valve | |
| Expansion System | | Automatic Expansion Valve | |
| Air-to-air Heat Exchanger | | Aluminium plate fins | |
| Air-to-refrigerant Heat Exchanger | | Aluminium plate fins | |
| Number of Heat Exchangers | | 1 | |
| Separator Type | | Demister | |
| Standard Drain Type | | Timed Drain / Capacitive Drain** | |
| PIPING CONNECTIONS | | | |
| Air Inlet / Outlet | | 1" BSP - F | |
| Condensate Drain Outlet | | ½" BSP - F | |
| DIMENSIONS + WEIGHT | | | |
| Width (mm) | | 400 | |
| Height (mm) | | 650 | |
| Depth (mm) | | 630 | |
| Weight (kg) | | 46 | |
| ELECTRICAL DATA | | | |
| Electrical Supply (+/- 10%) (AC) | | 230V / 1 ph / 50 - 60Hz | |
| F.L.A. Current (Amps) | | 3,18 | |
| Total Installed Power (kW) | | 0,44 | |
| M.O.P. Current (Amps) | | 15 | |
| M.C.A. Current (Amps) | | 4 | |
| Control Type | | Electronic | |
| Electrical Protection Class (Std.) | | IP 22 | |

PERFORMANCE IN ACCORDANCE WITH ISO 7183

*Sound pressure level in accordance with ISO 3746

** On version with Energy Saving

Operating limits:

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

Max / Min Air Inlet Temperature (°C): 65 / 5