

Engineering Data PSE220 - Air Cooled 50 / 60 Hz

| PERFORMANCE DATA | | | |
|--|-------------|--------------------------------------|---------------|
| Pressure Dew Point (°C) | 3 | 5 | 7 |
| Airflow Capacity (m ³ /h FAD 20°C) | 1317 / 1435 | 1467 / 1606 | 1628 / 1746 |
| Air Pressure Drop (bar) | 0,09 / 0,11 | 0,11 / 0,134 | 0,14 / 0,16 |
| Air Temperature at Dryer Outlet (°C) | 28,1 / 27,9 | 28,4 / 28,4 | 28,8 / 28,4 |
| Adsorbed power (kW) * | 1,79 / 2,2 | 1,81 / 2,23 | 1,83 / 2,25 |
| Condenser Heat Rejected (kW) | 9,2 / 10,35 | 9,75 / 10,95 | 10,26 / 11,52 |
| REFERENCE DATA | | | |
| Working Pressure (bar g) | | 7 | |
| Inlet Air Temperature (°C) | | 35 | |
| Ambient Temperature (°C) | | 25 | |
| Relative Humidity (%) | | 100 | |
| GENERAL DATA | | | |
| Condenser Airflow (m ³ /h) / number of fans | | 5000 / 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) | | 2,5 | |
| 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" BSPP – F / 2" ½ NPT with adapter | |
| Condensate Drain Inlet | | ½" BSP - F | |
| Condensate Drain Outlet *** | | 3/8" BSP - F | |
| DIMENSIONS + WEIGHT | | | |
| Width (mm) | | 703 | |
| Height (mm) | | 1410 | |
| Depth (mm) | | 1151 | |
| Weight (kg) | | 260 | |
| ELECTRICAL DATA | | | |
| Electrical Supply (+/- 10%) (AC) | | 400V / 3Ph / 50Hz- 460V / 3Ph / 60Hz | |
| L.R.A. Current (Amps) | | 70 | |
| F.L.A. Current (Amps) | | 9,45 | |
| M.O.P. Current (Amps) | | 15 | |
| M.C.A. Current (Amps) | | 11,5 | |
| Total Installed Power (kW) | | 4,2 – 5,3 | |
| Control Type | | Microprocessor 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