

ULTRAMAX RFD DRYER DATASHEET

(RFD-5580)

GENERAL DATA

| | |
|---|--------------------------------------|
| Type of Cooling | Air Cooled |
| Condenser Air Flow (m ³ /h) | 8500 |
| Heat Rejection Capacity Max. @45°CW | 45400 |
| Fan Size (mm) | ø500 |
| Number of Condenser Fans | 2 |
| Refrigerant Type | R134a |
| Refrigerant Quantity (kg) | 22 |
| Compressor Type | Hermetic / Scroll |
| Capacity Control (Cycling or Non-Cycling) | Non-Cycling |
| Expansion System | Thermostatic Expansion Valve |
| Heat Exchanger Type | Aluminum Plate in Cylindrical Form |
| Number of Heat Exchangers | 4 |
| Suction Line Accumulator Size (lt) | 15 |
| Liquid Receiver Size (lt) | 25 |
| Drain Type | Membrane Valve (with Solenoid Valve) |
| Drain Control Type | Electronic Controller |
| Noise Level (db) | <70 |
| Filter Allocation and Type | Externally Connected - F6500M X&Y * |

* Filters are not included to the standard package price, only given for information.

DESIGN CONDITIONS

| | |
|---|------|
| Max Rated Air Flow 35°C 7 barg, 25°C Ambient Temperature (Nm ³ /h) | 5580 |
| Relative Humidity (%) | 100 |
| Max. Ambient Temperature (°C) | 50 |
| Max. Ambient Temperature (°C) | 5 |
| Max. Inlet Temperature (°C) | 60 |
| Max. Working Pressure (barg) | 16 |

PERFORMANCE DATA

| | |
|--|------------------------------------|
| Humidity and Liquid Water Class | ISO8573.1 Class 4 (dew point ≤3°C) |
| Pressure Drop (mbar) | 200 |
| At 35°C Inlet, Air Temp at Dryer Outlet °C | 25 - 30 |

RFD-5580

ELECTRICAL DATA

| | |
|---|------------------------------------|
| Voltage(Volt/Phase/Hz) | 400V / 3 / 50 Hz |
| Total Installed Power (kW) ** | 11.90 |
| Nominal Operating Ampcity (A) ** | 24.10 |
| Min. Circuit Ampcity - MCA (A) | 41.83 |
| Locked Rotor Amper - LRA (A) | 229.2 |
| Controller Type | ESD-3 |
| Electrical Protection Class according IEC | IP 54 |
| Fuse (A) | 45 (will be provided by the user.) |

SIZE / DIMENSIONS / WEIGHT DATA

| | |
|-------------|------|
| Length (mm) | 2188 |
| Width (mm) | 1062 |
| Height (mm) | 1925 |
| Weight (kg) | 900 |

PIPING CONNECTIONS

| | |
|-----------------------|--------------|
| Connection Size | DN150 Flange |
| Drain Connection Size | 1" |

**Average power consumption (kW, A) is based on 0°C evaporation, 45°C condensation temperature.