

TECHNICAL SPECS DATA SHEET

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|-------------------|-------------|
| Drytec Model Name | SDE-US 1050 |
|-------------------|-------------|

General Data

| | | |
|--|------------------------------------|--------|
| Type of Cooling | Air Cooled | |
| Condenser Air Flow (m ³ /h) / (cfm) | 5780 | 3400 |
| Heat Rejection Capacity Max. @45°C / 113°F (W) | 20445 | |
| Fan Size (mm) / (inch) | Ø 400 | Ø 15,7 |
| Number of Condenser Fans | 2 | |
| Refrigerant Type | R134a | |
| Refrigerant Quantity (kg) / (lbs) | 10 | 22,05 |
| Compressor Type | 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 | 2 | |
| Suction Line Accumulator Size (lt) | 4 | |
| Liquid Receiver Size (lt) | 10 | |
| Drain Type | Membrane Valve | |
| Drain Control Type | Electronic Controller | |
| Noise Level (db) | < 70 | |
| Filter Allocation and Type | Integrated - GO-US-1600M X / Y | |

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Boundary Conditions

| | | |
|--|-------|------|
| Max Rated Air Flow 38°C / 100°F Inlet, 6,9 Barg / 100 psig, 38°C / 100°F Ambient Temperature (Nm ³ /h) / (scfm) | 1785 | 1050 |
| Relative Humidity (%) | 100 | |
| Max. Ambient Temperature (°C) / (°F) | 49 | 120 |
| Min. Ambient Temperature (°C) / (°F) | 4 | 39 |
| Max. Inlet Temperature (°C) / (°F) | 60 | 140 |
| Max. Working Pressure (barg) / (psig) | 15,85 | 230 |

Performance Data

| | | |
|---|---|---------|
| Humidity and Liquid Water Class | ISO8573.1 Class 4 (dew point ≤3°C / 38°F) | |
| Pressure drop (mbar) / (psi) | 138 | 2,0 |
| At 35°C / 95°F inlet, Air Temp. at Dryer Outlet (°C) / (°F) | 28 - 33 | 82 - 91 |

Electrical Data

| | | |
|---|------------------------------------|--|
| Voltage(Volt/Phase/Hz) | 460V / 3 Ph / 60 Hz | |
| Total Installed Power (kW) ** | 5,35 | |
| Nominal Operating Ampcity (A) ** | 11,47 | |
| Min. Circuit Ampcity - MCA (A) | 17,0 | |
| Locked Rotor Amper - LRA (A) | 103 | |
| Controller Type | ESD-3 | |
| Electrical Protection Class according IEC | IP 54 | |
| Fuse (A) | 20 (will be provided by the user.) | |

Size / Dimensions / Weight Data

| | | |
|----------------------|------|-------|
| Length (mm) / (inch) | 1163 | 45,8 |
| Width (mm) / (inch) | 778 | 30,6 |
| Height (mm) / (inch) | 1725 | 67,9 |
| Weight (kg) / (lbs) | 392 | 864,2 |

Piping Connections

| | |
|-----------------------|--------|
| Connection Size | 3" NPT |
| Drain Connection Size | 1" NPT |

**Average power consumption (kW, A) is based on 3°C / 37°F evaporation, 45°C / 113°F condensation temperature.



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