

TECHNICAL SPECS DATA SHEET

Drytec Model Name	SDE-US 825
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General Data

Type of Cooling	Air Cooled	
Condenser Air Flow (m ³ /h) / (cfm)	3400	2000
Heat Rejection Capacity Max. @45°C / 113°F (W)	15475	
Fan Size (mm) / (inch)	Ø 350	Ø 13,8
Number of Condenser Fans	2	
Refrigerant Type	R134a	
Refrigerant Quantity (kg) / (lbs)	7	15,43
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	1	
Suction Line Accumulator Size (lt)	4	
Liquid Receiver Size (lt)	7,5	
Drain Type	Membrane Valve	
Drain Control Type	Electronic Controller	
Noise Level (db)	< 70	
Filter Allocation and Type	Integrated - GO-US-1100M 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)	1403	825
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)	195	2,8
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) **	3,93	
Nominal Operating Ampcity (A) **	8,41	
Min. Circuit Ampcity - MCA (A)	13,8	
Locked Rotor Amper - LRA (A)	66	
Controller Type	ESD-3	
Electrical Protection Class according IEC	IP 54	
Fuse (A)	15 (will be provided by the user.)	

Size / Dimensions / Weight Data

Length (mm) / (inch)	948	37,3
Width (mm) / (inch)	798	31,4
Height (mm) / (inch)	1460	57,5
Weight (kg) / (lbs)	285	628,3

Piping Connections

Connection Size	3" NPT
Drain Connection Size	3/4" NPT

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



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