

# DRYTEC AMERICA

Technical Data Sheet

SDHUS-35 06122024

## TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDH US 35
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### General Data

Type of Cooling	Air Cooled
Condenser Air Flow (m <sup>3</sup> /h) / (cfm)	1580   929
Heat Rejection Capacity Max. @45°C / 113°F (W)	1946
Fan Size (mm) / (inch)	Ø 254   Ø 10
Number of Condenser Fans	2
Refrigerant Type	R134a
Refrigerant Quantity (kg) / (lbs)	0.4   0.9
Compressor Type	Reciprocating
Capacity Control (Cycling or Non-Cycling)	Non-Cycling
Expansion System	Thermostatic Expansion Valve
Air to Cooler Heat Exchanger Type (Aftercooler)	Plate
Number of Heat Exchangers	1
Suction Line Accumulator Size (lt)	N/A
Liquid Receiver Size (lt)	N/A
Drain Type	Solenoid Valve
Drain Control Type	Electronic Controller
Noise Level (db)	< 70
Filter Allocation and Type	Integrated - G100WS Water Separator

### Boundary Conditions

Max Rated Air Flow 82°C / 180°F Inlet, 12 Barg / 175 psig, 38°C / 100°F Ambient Temperature (Nm <sup>3</sup> /h) / (scfm)	60   35
Relative Humidity (%)	100
Max. Ambient Temperature (°C) / (°F)	49   120
Min. Ambient Temperature (°C) / (°F)	4   39
Max. Inlet Temperature (°C) / (°F)	115   240
Max. Working Pressure (barg) / (psig)	16   230

### Performance Data

Humidity and Liquid Water Class	ISO8573.1 Class 6 (dew point ≤10°C / 50°F)
Pressure drop (mbar) / (psi)	190   2.8
At 38°C / 100°F inlet, Air Temp. at Dryer Outlet (°C) / (°F)	28 - 33   82 - 91

### Electrical Data

Voltage(Volt/Phase/Hz)	115V / 1 / 60 Hz
Total Installed Power (kW) **	0.9
Nominal Operating Ampcity (A) **	9.6
Min. Circuit Ampcity - MCA (A)	11.5
Locked Rotor Amper - LRA (A)	36
Controller Type	DigiPro
Electrical Protection Class according IEC	IP 54
Fuse (A)	12 (will be provided by the user.)

### Size / Dimensions / Weight Data

Length (mm) / (inch)	448   17.6
Width (mm) / (inch)	448   17.6
Height (mm) / (inch)	957   37.7
Weight (kg) / (lbs)	64   141.1

### Piping Connections

Connection Size	1/2" NPT
Drain Connection Size	3/8" NPT

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

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*Taking Air Treatment to New Heights*

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