



Maryville, TN

SCOPE

Model: DHT-40
Application: _____
Options: _____

OPERATING CONDITIONS

Air Flow Rate (SCFM)	40
Inlet Air Operating Pressure (PSIG)	175
Inlet Air Temperature (°F)	180
Relative Humidity (%)	100
Minimum Ambient Temperature (°F)	40
Maximum Ambient Temperature (°F)	120
Maximum Inlet Temperature (°F)	205
Maximum Pressure (PSIG)	232
Air Pressure Drop (PSI)	<5
Air Temperature at Dryer Outlet (°F)	105-120
Outlet Dew Point (°F)	50

DRYER ASSEMBLY

Height (in.)	22
Width (in.)	24
Depth (in.)	18
Weight (lbs.)	125
Inlet/Outlet Connections (in.)	1

ELECTRICAL DETAILS

Electrical Connection	115-1-60
Condensing Unit Power (KW)	0.83
Compressor LRA (Amp)	44.0
Compressor RLA (Amp)	9.5
Min Circuit (Amp)	12.8
Electrical Protection Class	NEMA 1

SYSTEM DETAILS

Drain Outlet Connection (in.)	0.25
Number of Drains	1
Drain Type	Timer
Noise Level (dB)	< 85

Heat Exchanger:

Heat Exchanger Volumetric Flow Rate (SCFM)	40
Number of Heat Exchangers	1
Air to Air Heat Exchanger Type	Stainless Steel Brazed Plate
Air to Refrigeration Heat Exchanger Type	Stainless Steel Brazed Plate
Separator Type	Internal Demister

Condensing Unit:

Type of Cooling	Air-Cooled
Type of Refrigerant	R-134a
Nominal HP	1/2
Condenser Air Flow Rate (CFM)	300
Capacity Control	Constant Pressure Valve
Expansion System	Constant Pressure Valve

Refrigeration:

Refrigerant Charge	0 lbs. 12 oz.
Refrigerant Compressor Type	Reciprocating (Hermetic)
Maximum Suction (PSIG)	65
Minimum Suction (PSIG)	28
Maximum Discharge (PSIG)	230
Minimum Discharge (PSIG)	100

Fan:

Fan Motor Quantity	1
Amps Per Motor	0.53
Motor Power Consumption (W)	48
Motor Size (HP)	0.012