



Maryville, TN

SCOPE

Model: VF-50
Application: _____
Options: _____

OPERATING CONDITIONS

Air Flow Rate (SCFM)	50
Inlet Air Operating Pressure (PSIG)	100
Inlet Air Temperature (°F)	100
Relative Humidity (%)	100
Minimum Ambient Temperature (°F)	32
Maximum Ambient Temperature (°F)	100
Maximum Inlet Temperature (°F)	100
Maximum Pressure (PSIG)	200
Air Pressure Drop (PSI)	<5
Air Temperature at Dryer Outlet (°F)	69-80
Outlet Dew Point (°F)	38

DRYER ASSEMBLY

Height (in.)	15
Width (in.)	16
Depth (in.)	16
Weight (lbs.)	80
Inlet/Outlet Connections (in.)	0.75

ELECTRICAL DETAILS

Electrical Connection	115-1-60
Condensing Unit Power (KW)	0.436
Compressor LRA (Amp)	28.5
Compressor RLA (Amp)	3.9
Min Circuit (Amp)	5.5
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)	50
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	1/4
Condenser Air Flow Rate (CFM)	223
Capacity Control	Constant Pressure Valve
Expansion System	Constant Pressure Valve

Refrigeration:

Refrigerant Charge	0 lbs. 9 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	0.36
Motor Power Consumption (W)	33
Motor Size (HP)	0.012