



Maryville, TN

SCOPE

Model: VF-400
Application: _____
Options: _____

OPERATING CONDITIONS

Air Flow Rate (SCFM)	400
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.)	45
Width (in.)	34
Depth (in.)	45
Weight (lbs.)	567
Inlet/Outlet Connections (in.)	2

ELECTRICAL DETAILS

Electrical Connection	460-3-60
Condensing Unit Power (KW)	2.53
Compressor LRA (Amp)	48.0
Compressor RLA (Amp)	6.9
Min Circuit (Amp)	11.8
Electrical Protection Class	NEMA 1

SYSTEM DETAILS

Drain Outlet Connection (in.)	0.5
Number of Drains	2
Drain Type	Timer
Noise Level (dB)	< 85

Heat Exchanger:

Heat Exchanger Volumetric Flow Rate (SCFM)	400
Number of Heat Exchangers	1
Air to Air Heat Exchanger Type	Aluminum Plate-Fin
Air to Refrigeration Heat Exchanger Type	Aluminum Plate-Fin
Separator Type	Internal Demister

Condensing Unit:

Type of Cooling	Air-Cooled
Type of Refrigerant	R-134a
Nominal HP	2
Condenser Air Flow Rate (CFM)	2470
Capacity Control	Hot Gas Bypass Valve
Expansion System	Thermal Expansion Valve

Refrigeration:

Refrigerant Charge	5 lbs. 0 oz.
Refrigerant Compressor Type	Scroll
Maximum Suction (PSIG)	65
Minimum Suction (PSIG)	28
Maximum Discharge (PSIG)	230
Minimum Discharge (PSIG)	100

Fan:

Fan Motor Quantity	2
Amps Per Motor	0.5
Motor Power Consumption (W)	420
Motor Size (HP)	0.167