



Maryville, TN

SCOPE

Model: VF-1600
Application: _____
Options: _____

OPERATING CONDITIONS

Air Flow Rate (SCFM)	1600
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.)	83
Width (in.)	41
Depth (in.)	58
Weight (lbs.)	1625
Inlet/Outlet Connections (in.)	4

ELECTRICAL DETAILS

Electrical Connection	460-3-60
Condensing Unit Power (KW)	9.19
Compressor LRA (Amp)	100.0
Compressor RLA (Amp)	14.3
Min Circuit (Amp)	23.2
Electrical Protection Class	NEMA 4

SYSTEM DETAILS

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

Heat Exchanger:

Heat Exchanger Volumetric Flow Rate (SCFM)	1600
Number of Heat Exchangers	2
Air to Air Heat Exchanger Type	Stainless Steel Plates
Air to Refrigeration Heat Exchanger Type	Stainless Steel Plates
Separator Type	External Centrifugal

Condensing Unit:

Type of Cooling	Air-Cooled
Type of Refrigerant	R-404a
Nominal HP	7
Condenser Air Flow Rate (CFM)	5300
Capacity Control	Hot Gas Bypass Valve
Expansion System	Thermal Expansion Valve

Refrigeration:

Refrigerant Charge	25 lbs. 0 oz.
Refrigerant Compressor Type	Scroll
Maximum Suction (PSIG)	100
Minimum Suction (PSIG)	70
Maximum Discharge (PSIG)	410
Minimum Discharge (PSIG)	200

Fan:

Fan Motor Quantity	2
Amps Per Motor	1.9
Motor Power Consumption (W)	1020
Motor Size (HP)	0.500