



Maryville, TN

SCOPE

Model:	VF-75
Application:	
Options:	Water Cooled Condenser

OPERATING CONDITIONS

Air Flow Rate (SCFM)	75
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.)	22
Width (in.)	24
Depth (in.)	18
Weight (lbs.)	128
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)	75
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	Water-Cooled
Type of Refrigerant	R-134a
Nominal HP	1/2
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

Condenser:

Water Connection Size (in.)	1/2
Water Flow Rate (GPM)	2.0
Water Temperature (°F)	85
Water Pressure (PSIG)	25-150