Maryville, TN

SCOPE

Model: AES-800

Application:

Options:

OPERATING CONDITIONS

Air Flow Rate (SCFM)	800
Inlet Air Operating Pressure (PSIG)	100
Inlet Air Temperature (°F)	100
Relative Humidity (%)	100
Minimum Ambient Temperature (°F)	40
Maximum Ambient Temperature (°F)	120
Maximum Inlet Temperature (°F)	140
Maximum Pressure (PSIG)	232
Air Pressure Drop (PSI)	<5
Air Temperature at Dryer Outlet (°F)	69-80
Outlet Dew Point (°F)	38

SYSTEM DETAILS

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

Heat Exchanger:

Heat Exchanger Standard Volumetric Flow Rate (SCFM)	800
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	External Centrifugal

Condensing Unit:

Type of Cooling	Air-Cooled
Type of Refrigerant	R-404a
Nominal HP	4
Condenser Air Flow Rate (CFM)	4240

Capacity Control	Digital Compressor
Expansion System	Thermal Expansion Valve
Condenser Heat Rejected (Btu/hr)	58,282

Refrigeration:

Refrigerant Charge	9 lbs. 0 oz.
Refrigerant Compressor Type	Scroll
Maximum Suction (PSIG)	100
Minimum Suction (PSIG)	70
Maximum Discharge (PSIG)	300
Minimum Discharge (PSIG)	220

Fan:

Fan Motor Quantity	2
Amps per Motor	0.9
Fan Motor Power (W)	600
Motor Size (Watts)	186
Motor Size (HP)	1/4

ELECTRICAL DETAILS

Electrical Connection	460-3-60
Condensing Unit Power (KW)	N/A
Compressor LRA (Amp)	47.5
Compressor RLA (Amp)	7.5
Min Circuit (Amp)	11.8
Electrical Protection Class	NEMA 4

DRYER ASSEMBLY

Height (in.)	48
Width (in.)	38
Depth (in.)	54
Weight (lbs.)	805
Inlet/Outlet Connections (in.)	3