

Engineering Data Sheet

Model	CATR1600-200
Performance Data	
Rated Dew Point (°F)	-40
Capacity (SCFM)	1600
Rated Inlet Air Temperature (°F)	100
Minumum Inlet Air Temperature (°F)	40
Maximum Inlet Air Temperature (°F)	105
Rated Ambient Temperature (°F)	100
Rated Min/Max Ambient Air Temperature (°F)	40/100
Rated Design Pressure (PSIG)	100
Maximum Allowable Working Pressure (PSIG)	175
Minimum Working Pressure (PSIG)	80
ASME Code Design Pressure (PSIG)	200
Safety Valve Set Pressure (PSIG)	200 (+/- 10%)
General Data	
Fan Motor Maximum Regulation Pressure (PSIG)	60
Fan Motor Lubrication (DPM)	6
Fan Motor Lubricant	SAE-10 Non Detergent
Max Temperaature into Aftercooler (°F)	180
Max Design Temperature into Dryer (°F)	105
Piping Connections	
Air Inlet/Outlet	3" Male Boss Fittings
Drain	1/2" NPT
Dryer Dimensions & Weight	
Width (Inches)	90
Depth (Inches)	101
Height (Inches)	87
Dryer Weight (LBS)	6456 (w/desiccant)
Electrical Data	
Electrical Supply (AC)	120/1/60 Power Required
Ampacity	2 Amp Maximum Draw
Electrical Protection Class	NEMA 4X
Filtration Data	
Moisture Seperator	No Service Required
1.0 Micon Prefilter	1000/hour change
.01 Micron Prefilter	1000/hour change
1.0 Micron Afterfilter	1000/hour change
Drains	Check Operation
Purge Settings	
100 PSIG 1600 SCFM	65 PSIG
100 PSIG 1400 SCFM	55 PSIG
100 PSIG 1200 SCFM	45 PSIG
100 PSIG 1000 SCFM	35 PSIG
125 PSIG 1600 SCFM	51 PSIG
125 PSIG 1400 SCFM	43 PSIG
125 PSIG 1200 SCFM	35 PSIG
125 PSIG 1000 SCFM	26 PSIG
Cycle Time Settings	
Cycle Time Setting -40°F PDP	10 Min