

PPC MODEL NO.: **3000CABII-A4-B1F-01/CS-
PD-575V**

CATALOG NO.: **1282187**

REVISION: **NONE**

S.O.#: **1108018***Mill Air Dryer***STANDARD DESIGN OPERATING CONDITIONS:**

FLUID	<u>AIR</u>	
INLET FLOW RATE	<u>2500</u>	SCFM (REFERRED TO 70°F & 14.7 PSIA)
INLET PRESSURE	<u>100</u>	PSIG
INLET TEMPERATURE	<u>100</u>	°F
INLET MOISTURE CONTENT	<u>SAT</u>	(AT SPECIFIED INLET PRESSURE)
OUTLET MOISTURE CONTENT	<u>-40</u>	°F DEWPOINT AT LINE PRESSURE

DETAIL SPECIFICATIONS:

DRYER CYCLE:	PER NEMA STD AD1-1964	<u>8 HRS</u>
	DRYING TIME	<u>4 HRS</u>
	REGENERATION	<u>4 HRS</u>
	HEATING TIME	<u>230 MINUTES</u>
	SWEEPING TIME	<u>0 MINUTES</u>
	DEPRESS/REPRESS	<u>5 MINUTES</u>
ADSORBENT:	TYPE	<u>ACTIVATED ALUMINA</u>
	LBS/CHAMBER:	<u>2000</u>
BED SUPPORT	TYPE	<u>DE-25</u>
	LBS/CHAMBER:	<u>106</u>
BED SUPPORT	TYPE	<u>DE-50</u>
	LBS/CHAMBER	<u>324</u>
PRESSURE VESSELS:	ASME SECTION VIII DIV 1 STAMPED	
	DESIGN PRESSURE	<u>150 PSIG</u>
	DESIGN TEMPERATURE	<u>450 °F</u>
RELIEF VALVES:	QUANTITY/CHAMBER	<u>1</u>
	ASME CODE STAMPED	<u>YES</u>
DRYER:	OPERATION	<u>AUTOMATIC</u>
	PRESSURE DROP	<u>3.4 PSID (MAX)</u>
	CONNECTION SIZE	<u>6" FLG'D</u>
	PURGE FLOW	<u>543 SCFM</u>
	PURGE SOURCE	<u>ATMOSPHERIC AIR (BY BLOWER)</u>
	DESIGN PRESSURE	<u>150 PSIG</u>
	DIMENSIONS (APPROX.)	<u>HT: 140",WD: 190",DP: 85"</u>
	OPERATING WEIGHT	<u>11,890 LBS (APPROX)</u>
	EMPTY WEIGHT	<u>7030 LBS (APPROX)</u>
UTILITIES:		
ELECTRICAL:	NEMA TYPE	<u>4</u>
	INPUT	<u>575 V, 60 HZ, 3 PH</u>
	HEATER ELECTRIC	<u>56 KW</u>
	MOTOR SIZE	<u>15 HP</u>
	POWER CONSUMPTION	<u>1335 KWH PER 24 HRS</u>
	CONTROL CONSUMPTION	<u>75 WATTS @ 120 V, 60 HZ, 1PH</u>
CONTROL GAS:	PRESSURE	<u>60 PSIG MIN</u>
	SOURCE	