

## DRYER DATA SHEET

### Regenerative Desiccant Type Dryers

MODEL DATA			
1	Manufacturer		
2	Model Number		
3	Unit Type		
4	Desiccant Type		
	<b>DESCRIPTION</b>	<b>FULL FLOW</b>	<b>UNITS</b>
5	Maximum Design Flow <sup>a</sup>		scfm <sup>b</sup>
6	Outlet Pressure Dewpoint		°F
7	Pressure Drop		psi(d)
8	Purge Flow (average)		scfm
9	Calculated Power-Purge		kW
10	Total Dryer Input Power <sup>c</sup>		kW
11	Specific Package Power <sup>d</sup>		kW/100 scfm

Notes:

a. Dryer ratings at the following inlet conditions to the dryer (as per adopted CAGI Standard ADF 200):

- Inlet Compressed Air Temperature: 100°F (37.78°C)
- Inlet Compressed Air Pressure: 100 psig (6.9 Bar)
- Inlet Compressed Air Relative Humidity 100% (Saturated)

b. SCFM defined as the volume of free air in cubic feet per minute measured at 14.5 psia (1.0 Bar), 68°F (20°C) temperature and 0% R.H. (0 WVP).

c. This total includes Calculated Power-Purge, Input Power for Blower and/or Heater (if any), and Control Power

d.  $(\text{Total Dryer Input Power}/\text{Maximum Design Flow}) \times 100$

Assumptions:

1. Average purge flow power calculation:  $\text{Purge Flow} \div 4.2 \times .746$
2. Blower run time is average over one half a cycle.
3. Heater run time is average over one half a cycle.

Member



This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.