

**AIR BLOWER PACKAGE DATA SHEET**  
**CENTRIFUGAL AIR BLOWER PACKAGE DATA SHEET**

MODEL DATA - Option 1 Standard Conditions						
1	Manufacturer:	ABC, Inc.	Date:	07/16/15		
2	Model Number:	Blower Package				
3	<input checked="" type="checkbox"/> Main Drive Motor	<input checked="" type="checkbox"/> Driver Cooling System	<input checked="" type="checkbox"/> FD			
	<input type="checkbox"/> Inlet Throttle Valve	<input type="checkbox"/> Lubrication System	<input type="checkbox"/> Carbox / Belt Drive			
	<input type="checkbox"/> Harmonic Filter	<input type="checkbox"/> Inlet Guide Vanes	<input checked="" type="checkbox"/> Inlet Air Filter			
				VALUE	UNITS	
4	Rated Capacity (FAD) at Rated Operating Pressure			2597	cfm	
5	Rated Operating Pressure - p2			14	psig	
6	Drive Motor Nameplate Rating			150.0	hp	
7	Blower Rated Speed <sup>g</sup>			28460	rpm	
Performance Table <sup>a</sup>						
Discharge Pressure p2 (psig) <sup>b</sup>		Delivered Air Flow - FAD (cfm)				
		MIN FAD <sup>d</sup>	FAD 2 <sup>c</sup>	FAD 3 <sup>c</sup>	FAD 4 <sup>c</sup>	100% FAD
14 psig	FAD <sup>f</sup>	1867	2050	2232	2415	2597
	Spec. Power <sup>e</sup>	4.51	4.44	4.41	4.40	4.41
	Blower Speed (rpm) <sup>g</sup>	27208	27454	27748	28080	28460
12 psig	FAD <sup>f</sup>	1702	2035	2368	2701	3034
	Spec. Power <sup>e</sup>	3.86	3.77	3.78	3.85	3.96
	Blower Speed (rpm) <sup>g</sup>	25310	25819	26509	27401	28474
10 psig	FAD <sup>f</sup>	1520	1954	2388	2822	3256
	Spec. Power <sup>e</sup>	3.26	3.12	3.17	3.35	3.65
	Blower Speed (rpm) <sup>g</sup>	23162	23861	24937	26492	28486
8 psig	FAD <sup>f</sup>	1315	1833	2352	2870	3389
	Spec. Power <sup>e</sup>	2.69	2.51	2.56	2.87	3.35
	Blower Speed (rpm) <sup>g</sup>	20671	21598	23076	25492	28496
<b>Notes:</b> a. Based on reference inlet conditions of pamb=14.7 psia, Tamb=68°F, RH=36% See CAGI BL 300 Standard  b. Discharge pressure in -2 psig increments starting at max. rated operating pressure. To include 8.0 psig  c. Intermediate points nominal equal spacing between 100% and Min. Flow (see note d.)  d. Lowest Turned Down FAD  e. Specific power (kW / 100 cfm) tolerance of +/- 4%  f. No negative tolerance, +4%  g. Nominal Speed for Reference Purposes						