

AIR BLOWER PACKAGE DATA SHEET

Positive Displacement Variable Speed Blower

MODEL DATA - Option 1 Standard Conditions

1	Manufacturer:	ABC, Inc.	Date:	07/16/15
2	Model Number:	Blower Model		
3	<input checked="" type="checkbox"/> Main Drive Motor	<input checked="" type="checkbox"/> Control Cubicle	<input checked="" type="checkbox"/> FD	
	<input type="checkbox"/> Driver Cooling System	<input type="checkbox"/> Lubrication System	<input checked="" type="checkbox"/> Gearbox / Belt drive	
	<input checked="" type="checkbox"/> Harmonic Filter	<input checked="" type="checkbox"/> Discharge Check Valve	<input checked="" type="checkbox"/> Inlet Air Filter	
			VALUE	UNITS
4	Rated Capacity (FAD) at Rated Operating Pressure		800	cfm
5	Rated Operating Pressure - p ₂		15.00	psig
6	Drive Motor Nameplate Rating		100.0	hp
7	Blower Rated Speed ^e		5375	rpm

Performance Table ^a							
	Discharge Pressure p ₂ (psig) ^b		Delivered Air Flow - FAD (cfm)				
			MIN FAD ^d	FAD ^{2c}	FAD ^{3c}	FAD ^{4c}	100% FAD
14	psig	FAD ^f	322	450	634	675	841
		Spec. Power ^c	6.17	5.69	5.32	5.27	5.13
		Blower Speed (rpm) ^g	2500	3219	4225	4455	5375
12	psig	FAD ^f	324	511	777	870	1067
		Spec. Power ^c	5.66	5.11	4.81	4.78	4.74
		Blower Speed (rpm) ^g	2500	3556	5035	5575	6725
10	psig	FAD ^f	328	514	779	871	1068
		Spec. Power ^c	5.11	4.65	4.41	4.40	4.38
		Blower Speed (rpm) ^g	2500	3556	5035	5575	6725
8	psig	FAD ^f	334	554	863	984	1200
		Spec. Power ^c	4.18	3.83	3.72	3.75	3.79
		Blower Speed (rpm) ^g	2500	3759	5521	6245	7535

Notes:

a. Based on reference inlet conditions of p_{amb}=14.7 psia, T_{amb}=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 psig

c. Intermediate points at 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

