

AIR BLOWER PACKAGE DATA SHEET

CENTRIFUGAL AIR BLOWER PACKAGE DATA SHEET

MODEL DATA - Option 2 Standard Conditions

1	Manufacturer:	ABC, Inc.	Date:	07/16/15
2	Model Number:			
3	<input type="checkbox"/> Main Drive Motor <input type="checkbox"/> Inlet Throttle Valve <input type="checkbox"/> Harmonic Filter	<input checked="" type="checkbox"/> Driver Cooling System <input type="checkbox"/> Lubrication System <input type="checkbox"/> Inlet Guide Vanes	<input type="checkbox"/> VFD <input type="checkbox"/> Gearbox / Belt Drive <input type="checkbox"/> Inlet Air Filter	
			VALUE	UNITS
4	Rated Capacity (FAD) at Rated Operating Pressure			m ³ /min
5	Rated Operating Pressure - p ₂			mbar(g)
6	Drive Motor Nameplate Rating			kW
7	Blower Rated Speed ^g			rpm

Performance Table ^a						
Discharge Pressure p ₂ (mbar) ^b		Delivered Air Flow - FAD (m ³ /min)				
		MIN FAD ^d	FAD2 ^c	FAD3 ^c	FAD4 ^c	100% FAD
1000 mbar(g)	FAD ^f	322	450	634	675	841
	Spec. Power ^e	6.17	5.69	5.32	5.27	5.13
	Blower Speed (rpm) ^g	2500	3219	4225	4455	5375
900 mbar(g)	FAD ^f	324	511	777	870	1067
	Spec. Power ^e	5.66	5.11	4.81	4.78	4.74
	Blower Speed (rpm) ^g	2500	3556	5035	5575	6725
800 mbar(g)	FAD ^f	328	514	779	871	1068
	Spec. Power ^e	5.11	4.65	4.41	4.40	4.38
	Blower Speed (rpm) ^g	2500	3556	5035	5575	6725
700 mbar(g)	FAD ^f	334	554	863	984	1200
	Spec. Power ^e	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}=1 bar(a), T_{amb}=20°C, RH=0% See CAGI BL 300 Standard

b. Discharge pressure in 1000 mbar(g) increments starting at max, rated operating pressure. To include 800 mbar

c. Intermediate points at equal spacing between 100% and Min. Flow (see note d.)

d. Lowest Turned Down FAD

e. Specific power (kW / m³/min)

f. No negative tolerance, +4%

g. Nominal Speed for Reference Purposes

