

AIR BLOWER PACKAGE DATA SHEET

Positive Displacement Variable Speed Blower

MODEL DATA - Option 2 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	VFD <input checked="" type="checkbox"/>																																																																								
	<input type="checkbox"/> Driver Cooling System	<input type="checkbox"/> Lubrication System	Gear <input checked="" type="checkbox"/> / Belt drive																																																																								
	<input checked="" type="checkbox"/> Harmonic Filter	<input checked="" type="checkbox"/> Discharge Check Valve	Inlet <input checked="" type="checkbox"/> Filter																																																																								
			VALUE	UNITS																																																																							
4	Rated Capacity (FAD) at Rated Operating Pressure		24.18	m ³ / min																																																																							
5	Rated Operating Pressure P2		600	mbar(g)																																																																							
6	Drive Motor Nameplate Rating		30.0	kW																																																																							
7	Blower Rated Speed		4455	rpm																																																																							
8	Performance Table ^a																																																																										
		Discharge Pressure p2 (mbar(g)) ^b	Delivered Air Flow - FAD (m ³ / min)																																																																								
			MIN FAD ^d	FAD 2 ^c	FAD 3 ^c	FAD 4 ^c	100% FAD																																																																				
	600 mbar(g)	FAD ^f	9.84	12.25	15.72	19.71	24.18																																																																				
		Spec. Power ^e	1.36	1.30	1.24	1.21	1.18																																																																				
		Blower Speed (rpm) ^g	2500	2989	3673	4455	5346																																																																				
	500 mbar(g)	FAD ^f	10.00	12.41	15.88	19.86	24.33																																																																				
		Spec. Power ^e	1.15	1.10	1.06	1.03	1.02																																																																				
		Blower Speed (rpm) ^g	2500	2989	3673	4455	5346																																																																				
	400 mbar(g)	FAD ^f	10.16	12.57	16.03	20.01	24.48																																																																				
		Spec. Power ^e	0.97	0.94	0.90	0.88	0.88																																																																				
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<p>Notes:</p> <p>a. Based on reference inlet conditions of pamb=1 bar(a), Tamb=20°C, RH=0% See CAGI BL 300 Standard</p> <p>b. Discharge pressure in -100 mbar increments starting at max, rated operating pressure. To include 600 mbar(g)</p> <p>c. Intermediate points at equal spacing between 100% and Min. Flow (see note d.)</p> <p>d. Lowest Turned Down FAD</p> <p>e. Specific power (kW / m³ / min) tolerance of +/- 4%</p> <p>f. No negative tolerance, +4%</p> <p>g. Nominal Speed for Reference Purposes</p>		<table border="1" style="display: none;"> <caption>Specific Power vs Capacity Data</caption> <thead> <tr> <th>Capacity (FAD)</th> <th>600 mbar(g)</th> <th>500 mbar(g)</th> <th>400 mbar(g)</th> <th>0 mbar(g)</th> </tr> </thead> <tbody> <tr> <td>9.84</td> <td>1.36</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>12.25</td> <td>1.30</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>15.72</td> <td>1.24</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>19.71</td> <td>1.21</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>10.00</td> <td>-</td> <td>1.15</td> <td>-</td> <td>-</td> </tr> <tr> <td>12.41</td> <td>-</td> <td>1.10</td> <td>-</td> <td>-</td> </tr> <tr> <td>15.88</td> <td>-</td> <td>1.06</td> <td>-</td> <td>-</td> </tr> <tr> <td>19.86</td> <td>-</td> <td>1.03</td> <td>-</td> <td>-</td> </tr> <tr> <td>10.16</td> <td>-</td> <td>-</td> <td>0.97</td> <td>-</td> </tr> <tr> <td>12.57</td> <td>-</td> <td>-</td> <td>0.94</td> <td>-</td> </tr> <tr> <td>16.03</td> <td>-</td> <td>-</td> <td>0.90</td> <td>-</td> </tr> <tr> <td>20.01</td> <td>-</td> <td>-</td> <td>0.88</td> <td>-</td> </tr> <tr> <td>0.00</td> <td>-</td> <td>-</td> <td>-</td> <td>0.00</td> </tr> </tbody> </table>				Capacity (FAD)	600 mbar(g)	500 mbar(g)	400 mbar(g)	0 mbar(g)	9.84	1.36	-	-	-	12.25	1.30	-	-	-	15.72	1.24	-	-	-	19.71	1.21	-	-	-	10.00	-	1.15	-	-	12.41	-	1.10	-	-	15.88	-	1.06	-	-	19.86	-	1.03	-	-	10.16	-	-	0.97	-	12.57	-	-	0.94	-	16.03	-	-	0.90	-	20.01	-	-	0.88	-	0.00	-	-	-	0.00
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