AIR BLOWER PACKAGE DATA SHEET

Positive Displacement Variable Speed Blower

MODEL DATA - Standard Conditions (US Units)

1	Manufacturer:	Gardner Denver	Date:	12/12/24
2	Model Number:	BPC99A-12PSI-1200ICFM-HF514-QE-(VFD)		

3

- ☑ Main Drive Motor
- ☐ Control Cubicle
- ☑ VFD
- ☐ Driver Cooling System
- ☐ Auxiliary Lubrication System
- ☑ Gearbox / Belt Drive
- ☐ IEEE 519 Harmonic Filter
- ☑ Discharge Check Valve
- ☑ Inlet Air Filter
- ☐ No Negative Tolerance Data

		VALUE	UNITS
4	Capacity (FAD) at Rated Design Pressure	1200	cfm
5	Rated Design Pressure - p_2	12	psig
6	Drive Motor Nominal Rating	100	hp
7	Blower Speed at Design Capacity	3510	rpm
8	Maximum Operating Pressure[d]	12.5	psig

9 Performance Table[a]

Discharge Pressure p2 (psig)[b]		Delivered Air Flow - FAD (cfm)				
		MIN FAD	FAD[c]	FAD[c]	FAD[c]	100% FAD
12 psig	FAD[f]	233	478	721	962	1201
	Spec. Power[e]	9.66	7.14	6.46	6.22	6.16
	Blower Speed (rpm)	1170	1745	2326	2914	3510
10 psig	FAD[f]	254	498	740	980	1217
	Spec. Power[e]	7.41	5.74	5.29	5.16	5.15
	Blower Speed (rpm)	1170	1745	2326	2915	3510
8 psig	FAD[f]	277	520	760	999	1235
	Spec. Power[e]	5.48	4.45	4.18	4.13	4.17
	Blower Speed (rpm)	1170	1745	2326	2915	3510

Notes:

a. Based on reference inlet conditions of pamb=14.7 psia, Tamb=68°F, RH=36%

b. Discharge pressure in -2 psig increments

c. Intermediate points at equal spacing between 100% and Min. Flow

d. Data not shown

e. Specific power (kW /100 cfm) tolerance of +/- tolerance given by Table 2 in BL 300 unless "No Negative Tolerance" box is checked

f. Delivered air flow +/- tolerance given by Table 2 in BL 300 unless "No Negative Tolerance" box is checked

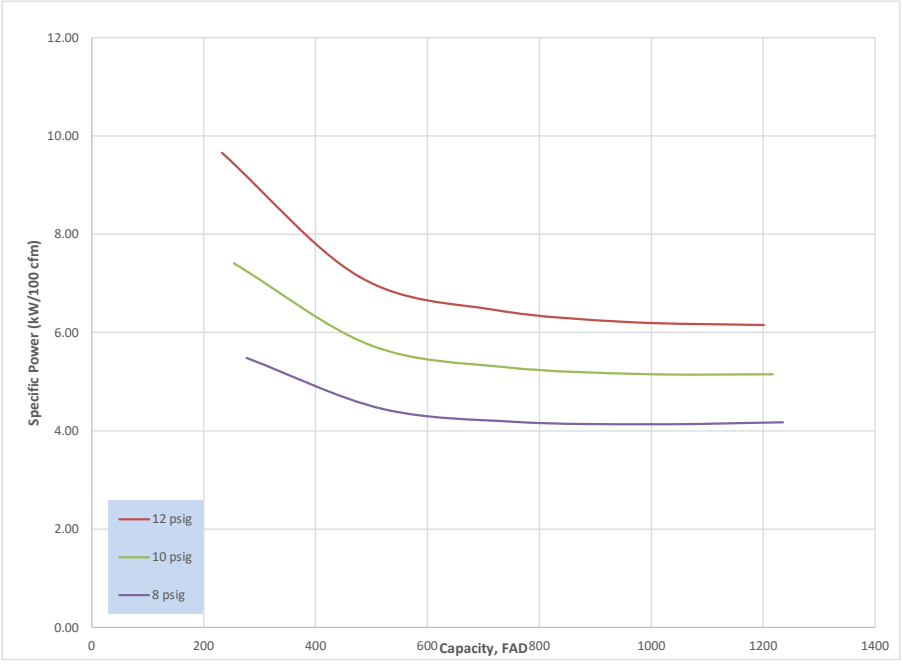

Table 2 from BL 300:

Delivered Air Flow at specifed conditions		Delivered Air Flow Rate	Specific Power Consumption	Discharge Pressure
m³/min	ft³/min	%	%	%
Below 0.5	Below 15	+/- 7	+/- 8	-0 / +1
0.5 to 1.5	15 to 50	+/- 6	+/- 7	-0 / +1
1.5 to 15	50 to 500	+/- 5	+/- 6	-0 / +1
Above 15	Above 500	+/- 4	+/- 5	-0 / +1

Member CAGI Compressed Air & Gas Institute