

# AIR BLOWER PACKAGE DATA SHEET

## Positive Displacement Variable Speed Blower

### MODEL DATA - Standard Conditions (US Units)

1	Manufacturer:	Gardner Denver	Date:	03/03/26			
2	Model Number:	IQRBF2A-12 psi-600 ICFM-ENCLOSED-VFD					
3	<input checked="" type="checkbox"/> Main Drive Motor <input type="checkbox"/> Driver Cooling System <input type="checkbox"/> IEEE 519 Harmonic Filter <input type="checkbox"/> No Negative Tolerance Data			<input type="checkbox"/> Control Cubicle <input type="checkbox"/> Auxiliary Lubrication System <input checked="" type="checkbox"/> Discharge Check Valve <input checked="" type="checkbox"/> Enclosed Package		<input checked="" type="checkbox"/> VFD <input checked="" type="checkbox"/> Gearbox / Belt Drive <input checked="" type="checkbox"/> Inlet Air Filter	
			VALUE	UNITS			
4	Capacity (acfm) at Rated Design Pressure		592	acfm			
5	Rated Design Pressure - p <sub>2</sub>		12	psig			
6	Drive Motor Nominal Rating		50	hp			
7	Blower Speed at Design Capacity		3846	rpm			
8	Maximum Operating Pressure <sup>d</sup>		14	psig			
Performance Table <sup>a</sup>							
9	Discharge Pressure p <sub>2</sub> (psig) <sup>b</sup>	Delivered Air Flow - acfm					
		MIN acfm	acfm <sup>c</sup>	acfm <sup>c</sup>	acfm <sup>c</sup>	100% acfm	
	12 psi	acfm <sup>f</sup>	195	299	401	499	592
		Spec. Power <sup>e</sup>	7.52	6.58	6.23	6.25	6.41
		Blower Speed (rpm)	1564	2135	2705	3275	3846
	10 psi	acfm <sup>f</sup>	151	269	384	495	602
		Spec. Power <sup>e</sup>	6.73	5.52	5.19	5.24	5.43
		Blower Speed (rpm)	1282	1923	2564	3205	3846
	8 psi	acfm <sup>f</sup>	161	279	395	506	613
		Spec. Power <sup>e</sup>	5.09	4.31	4.13	4.24	4.47
Blower Speed (rpm)		1282	1923	2564	3205	3846	

**Notes:**

a. Based on reference inlet conditions of p<sub>amb</sub>=14.7 psia, T<sub>amb</sub>=68°F, RH=36%

b. Discharge pressure in -2 psig increments

c. Data points given at equal spacing in acfm between min acfm and 100% acfm.

d. Data not shown

e. Specific power (kW /100 cfm) tolerance of +/- tolerance given by Table 5 in ISO 22484 unless "No negative tolerance" box is checked

f. Delivered air flow +/- tolerance given by Table 5 in ISO 22484 unless "No negative tolerance" box is checked. Measured at the discharge terminal point of the blower package in accordance with ISO 22484. acfm is actual cubic feet per minute at inlet conditions.

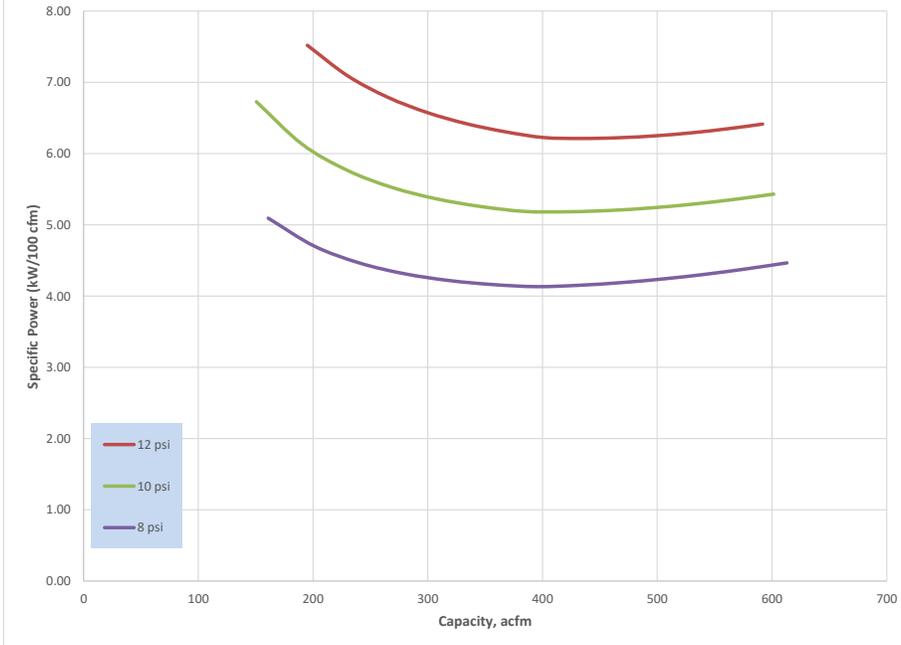


Table 5 in ISO 22484:	Delivered Air Flow at specified conditions		Delivered Air Flow Rate	Specific Power Consumption	Discharge Pressure
	m <sup>3</sup> /min	ft <sup>3</sup> /min	%	%	%
	Below 0.5	Below 15	+/- 7	+/- 8	-0 / +1
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	-0 / +1
	1.5 to 15	50 to 500	+/- 5	+/- 6	-0 / +1
	Above 15	Above 500	+/- 4	+/- 5	-0 / +1

