

# 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:	IQRBF3A-12 psi-1200 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			1234	acfm		
5	Rated Design Pressure - p <sub>2</sub>			12	psig		
6	Drive Motor Nominal Rating			100	hp		
7	Blower Speed at Design Capacity			3550	rpm		
8	Maximum Operating Pressure <sup>d</sup>			14	psig		

Performance Table <sup>a</sup>							
	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	
9	12 psi	acfm <sup>f</sup>	450	651	850	1044	1234
		Spec. Power <sup>e</sup>	7.25	6.47	6.10	6.02	6.03
		Blower Speed (rpm)	1576	2069	2563	3056	3550
	10 psi	acfm <sup>f</sup>	304	549	789	1025	1256
		Spec. Power <sup>e</sup>	6.70	5.47	5.07	5.01	5.06
		Blower Speed (rpm)	1183	1775	2367	2958	3550
	8 psi	acfm <sup>f</sup>	326	571	813	1050	1282
		Spec. Power <sup>e</sup>	5.04	4.25	4.01	4.03	4.11
		Blower Speed (rpm)	1183	1775	2367	2958	3550

**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.

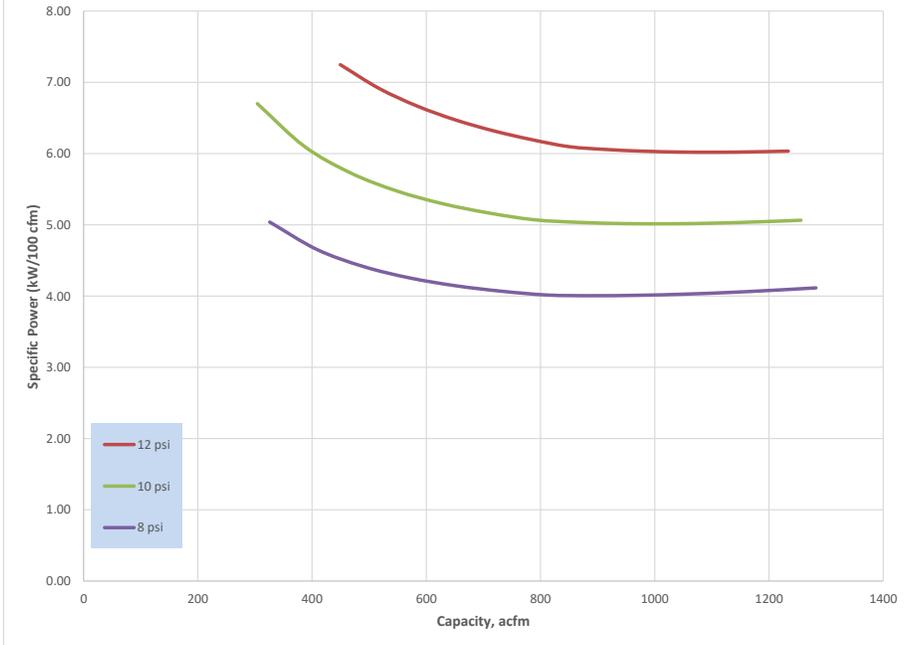


Table 5 in ISO 22484:	Delivered Air Flow at specified conditions		Delivered Air Flow Rate	Specific Power Consumption	Discharge Pressure
	m <sup>3</sup> /min	ft <sup>3</sup> /min	%	%	%
	Below 0.5	Below 15	+/- 7	+/- 8	-0 / +1
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	-0 / +1
	1.5 to 15	50 to 500	+/- 5	+/- 6	-0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

