

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-1600 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			1610	acfm			
5	Rated Design Pressure - p ₂			12	psig			
6	Drive Motor Nominal Rating			125	hp			
7	Blower Speed at Design Capacity			2610	rpm			
8	Maximum Operating Pressure ^d			14	psig			
Performance Table ^a								
9	12 psi	acfm ^f	577	848	1111	1366	1610	
		Spec. Power ^e	7.32	6.49	6.11	6.06	6.12	
			Blower Speed (rpm)	1137	1506	1874	2242	2610
	10 psi	acfm ^f	401	724	1039	1345	1639	
		Spec. Power ^e	6.74	5.49	5.09	5.05	5.13	
				Blower Speed (rpm)	870	1305	1740	2175
	8 psi	acfm ^f	430	754	1070	1378	1673	
		Spec. Power ^e	5.06	4.26	4.02	4.04	4.16	
				Blower Speed (rpm)	870	1305	1740	2175

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. 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.

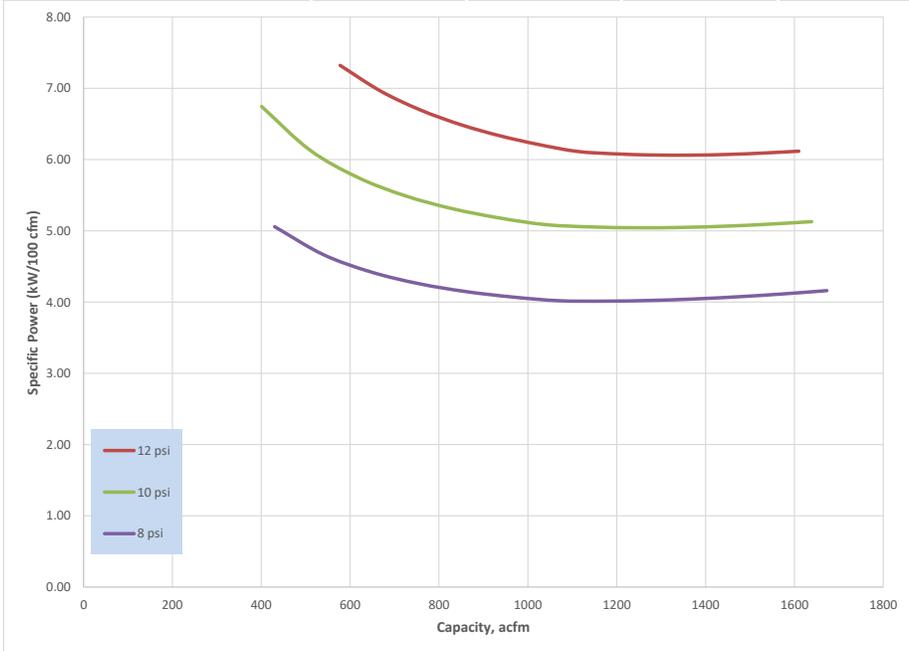


Table 5 in ISO 22484:	Delivered Air Flow at specified conditions		Delivered Air Flow Rate	Specific Power Consumption	Discharge Pressure
	m ³ /min	ft ³ /min	%	%	%
	Below 0.5	Below 15	+/- 7	+/- 8	-0 / +1
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	-0 / +1
	1.5 to 15	50 to 500	+/- 5	+/- 6	-0 / +1
	Above 15	Above 500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

