

AIR BLOWER PACKAGE DATA SHEET

Positive Displacement Variable Speed Blower

MODEL DATA - Standard Conditions (US Units)

1	Manufacturer:	Atlas Copco Compressors	Date:	02/23/26					
2	Model Number:	ZS 5 VSD L 1000 75kW							
3	<input checked="" type="checkbox"/> Main Drive Motor <input checked="" type="checkbox"/> Driver Cooling System <input type="checkbox"/> IEEE 519 Harmonic Filter <input type="checkbox"/> No Negative Tolerance Data			<input checked="" type="checkbox"/> Control Cubicle <input checked="" 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		2100	acfm					
5	Rated Design Pressure - p ₂		12.0	psig					
6	Drive Motor Nominal Rating		100	hp					
7	Blower Speed at Design Capacity		2206	rpm					
8	Maximum Operating Pressure ^d		17	psig					
Performance Table ^a									
9	12 psig	acfm ^f	729	1071	1414	1757	2100		
		Spec. Power ^e	4.82	4.50	4.34	4.26	4.24		
			Blower Speed (rpm)	891	1219	1547	1876	2206	
	10 psig			acfm ^f	736	1160	1583	2006	2781
				Spec. Power ^e	4.06	3.80	3.68	3.65	3.69
				Blower Speed (rpm)	891	1296	1703	2110	2519
	8 psig			acfm ^f	746	1255	1764	2273	2781
				Spec. Power ^e	3.31	3.14	3.07	3.09	3.21
				Blower Speed (rpm)	891	1380	1869	2361	2854

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.

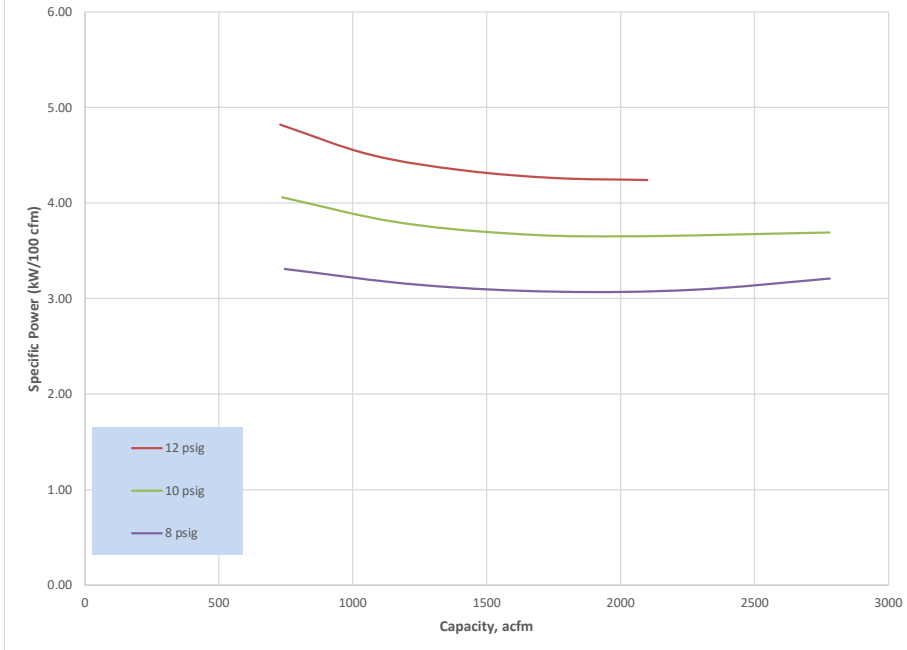


Table 5 in ISO 22484:	Delivered Air Flow at specified conditions		Delivered Air Flow Rate	Specific Power Consumption	Discharge Pressure
	m ³ /min	ft ³ /min	%	%	%
	Below 0.5	Below 15	+/- 7	+/- 8	-0 / +1
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	-0 / +1
	1.5 to 15	50 to 500	+/- 5	+/- 6	-0 / +1
	Above 15	Above 500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

