

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:	ZL 3 VSD 55 J 800							
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 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		985	acfm					
5	Rated Design Pressure - p ₂		12.0	psig					
6	Drive Motor Nominal Rating		75	hp					
7	Blower Speed at Design Capacity		3701	rpm					
8	Maximum Operating Pressure ^d		14	psig					
Performance Table ^a									
9	12 psig	acfm ^f	437	574	711	848	985		
		Spec. Power ^e	6.73	6.26	6.00	5.84	5.75		
			Blower Speed (rpm)	1910	2352	2799	3249	3701	
	10 psig			acfm ^f	448	584	721	858	1007
				Spec. Power ^e	5.54	5.19	4.99	4.86	4.79
				Blower Speed (rpm)	1910	2353	2800	3250	3701
	8 psig			acfm ^f	459	596	733	870	1007
				Spec. Power ^e	4.40	4.15	4.00	3.91	3.86
				Blower Speed (rpm)	1910	2355	2802	3251	3701

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

