

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 2 VSD 45 K 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		742	acfm			
5	Rated Design Pressure - p ₂		12.0	psig			
6	Drive Motor Nominal Rating		60	hp			
7	Blower Speed at Design Capacity		3570	rpm			
8	Maximum Operating Pressure ^d		14	psig			
Performance Table ^a							
Discharge Pressure p ₂ (psig) ^b		Delivered Air Flow - acfm					
		MIN acfm	acfm ^c	acfm ^c	acfm ^c		
		100% acfm					
9	12 psig	acfm ^f	338	439	540	641	742
		Spec. Power ^e	6.78	6.29	6.00	5.83	5.71
		Blower Speed (rpm)	1920	2325	2738	3153	3570
	10 psig	acfm ^f	347	448	548	649	759
		Spec. Power ^e	5.55	5.19	4.98	4.84	4.75
		Blower Speed (rpm)	1920	2327	2739	3154	3570
	8 psig	acfm ^f	359	459	559	659	759
		Spec. Power ^e	4.35	4.11	3.96	3.87	3.81
		Blower Speed (rpm)	1920	2328	2740	3154	3570

Notes:

a. Based on reference inlet conditions of p_{amb}=14.7 psia, T_{amb}=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

