

# 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 4 VSD 90 G 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 Cubic <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						1444	acfm
5	Rated Design Pressure - p <sub>2</sub>						12.0	psig
6	Drive Motor Nominal Rating						120	hp
7	Blower Speed at Design Capacity						3699	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 psig	acfm <sup>f</sup>	687	876	1065	1254	1444	
		Spec. Power <sup>e</sup>	6.36	6.10	6.04	6.07	6.17	
		Blower Speed (rpm)	1909	2343	2788	3241	3699	
	10 psig	acfm <sup>f</sup>	705	897	1089	1280	1500	
		Spec. Power <sup>e</sup>	5.30	5.09	5.02	5.04	5.09	
		Blower Speed (rpm)	1909	2345	2789	3241	3699	
	8 psig	acfm <sup>f</sup>	726	919	1113	1307	1500	
		Spec. Power <sup>e</sup>	4.29	4.14	4.09	4.11	4.15	
		Blower Speed (rpm)	1909	2346	2791	3242	3699	

**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 <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

