

# 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 75 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 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						1272	acfm
5	Rated Design Pressure - p <sub>2</sub>						12.0	psig
6	Drive Motor Nominal Rating						100	hp
7	Blower Speed at Design Capacity						3694	rpm
8	Maximum Operating Pressure <sup>d</sup>						14	psig
Performance Table <sup>a</sup>								
9		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	
12 psig		acfm <sup>f</sup>	591	762	932	1102	1272	
		Spec. Power <sup>e</sup>	6.61	6.23	6.08	6.06	6.13	
		Blower Speed (rpm)	1907	2339	2782	3235	3694	
10 psig		acfm <sup>f</sup>	609	782	954	1126	1324	
		Spec. Power <sup>e</sup>	5.49	5.18	5.05	5.03	5.06	
		Blower Speed (rpm)	1907	2341	2785	3236	3694	
8 psig		acfm <sup>f</sup>	629	803	977	1151	1324	
		Spec. Power <sup>e</sup>	4.43	4.20	4.11	4.09	4.12	
		Blower Speed (rpm)	1907	2343	2787	3237	3694	
<p><b>Notes:</b></p> <p>a. Based on reference inlet conditions of p<sub>amb</sub>=14.7 psia, T<sub>amb</sub>=68°F, RH=36%</p> <p>b. Discharge pressure in -2 psig increments</p> <p>c. Data points given at equal spacing in acfm between min acfm and 100% acfm.</p> <p>d. Data not shown</p> <p>e. Specific power (kW /100 cfm) tolerance of +/- tolerance given by Table 5 in ISO 22484 unless "No negative tolerance" box is checked</p> <p>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.</p>								

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

