

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 4 VSD C 1200 37kW					
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		972		acfm		
5	Rated Design Pressure - p ₂		12.0		psig		
6	Drive Motor Nominal Rating		50		hp		
7	Blower Speed at Design Capacity		4300		rpm		
8	Maximum Operating Pressure ^d		17		psig		
Performance Table ^a							
9	Discharge Pressure p ₂ (psig) ^b	Delivered Air Flow - acfm					
			MIN acfm	acfm ^c	acfm ^c	acfm ^c	100% acfm
	12 psig	acfm ^f	308	474	640	806	972
		Spec. Power ^e	5.48	4.73	4.42	4.28	4.27
		Blower Speed (rpm)	1700	2343	2991	3643	4300
	10 psig	acfm ^f	313	478	644	810	980
		Spec. Power ^e	4.81	4.12	3.85	3.69	3.67
		Blower Speed (rpm)	1700	2343	2991	3643	4300
	8 psig	acfm ^f	317	483	648	814	980
		Spec. Power ^e	4.28	3.63	3.35	3.17	3.12
		Blower Speed (rpm)	1700	2343	2991	3643	4300
	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

