

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 H 1000 45kW					
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 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		1253		acfm		
5	Rated Design Pressure - p ₂		12.0		psig		
6	Drive Motor Nominal Rating		60		hp		
7	Blower Speed at Design Capacity		3478		rpm		
8	Maximum Operating Pressure ^d		17		psig		
Performance Table ^a							
Discharge Pressure p ₂ (psig) ^b		Delivered Air Flow - acfm					
		MIN acfm	acfm ^c	acfm ^c	acfm ^c	100% acfm	
12 psig	acfm ^f	553	728	903	1078	1253	
	Spec. Power ^e	4.62	4.41	4.32	4.31	4.35	
	Blower Speed (rpm)	1700	2139	2581	3028	3478	
10 psig	acfm ^f	558	765	973	1181	1524	
	Spec. Power ^e	4.01	3.79	3.74	3.75	3.82	
	Blower Speed (rpm)	1700	2223	2751	3284	3824	
8 psig	acfm ^f	562	802	1043	1284	1524	
	Spec. Power ^e	3.41	3.20	3.18	3.20	3.33	
	Blower Speed (rpm)	1700	2306	2919	3540	4170	
<p>Notes:</p> <p>a. Based on reference inlet conditions of p_{amb}=14.7 psia, T_{amb}=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 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

