

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 I 1000 55kW						
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		1427		acfm			
5	Rated Design Pressure - p ₂		12.0		psig			
6	Drive Motor Nominal Rating		75		hp			
7	Blower Speed at Design Capacity		3573		rpm			
8	Maximum Operating Pressure ^d		17		psig			
Performance Table ^a								
9	12 psig	acfm ^f	312	591	870	1148	1427	
		Spec. Power ^e	5.28	4.42	4.25	4.29	4.31	
	10 psig	Blower Speed (rpm)	1000	1631	2269	2916	3573	
		acfm ^f	317	595	874	1152	1434	
		Spec. Power ^e	4.41	3.75	3.64	3.71	3.76	
	8 psig	Blower Speed (rpm)	1000	1631	2269	2916	3573	
		acfm ^f	322	600	878	1156	1434	
		Spec. Power ^e	3.63	3.14	3.06	3.15	3.23	
			Blower Speed (rpm)	1000	1631	2269	2916	3573

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 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

