

**COMPRESSOR DATA SHEET**

**Federal Uniform Test Method for Certain Air Compressors Not Applicable**

**Rotary Compressor: Variable Frequency Drive**

**MODEL DATA - FOR COMPRESSED AIR**

1	Manufacturer: Atlas Copco														
2	Model Number: ZT 55VSD-10	Date: 01-05-2024													
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Tooth													
	<input type="checkbox"/> Lubricated <input checked="" type="checkbox"/> Oil-free	# of Stages: 2													
3	Full Load Operating Pressure*(b)	145.0	psig*(b)												
4	Drive Motor Nominal Rating	73.8	hp												
5	Drive Motor Nominal Efficiency	92.0	percent												
6	Fan Motor Nominal Rating (if applicable)	4.8	hp												
7	Fan Motor Nominal Efficiency	82.0	percent												
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)												
	71.1      Max	258.6	27.5												
	57.6	211.1	27.3												
	46.1	163.6	28.2												
	36.7	116.0	31.6												
	27.3      Min	68.5	39.9												
9*	Total Package Input Power at Zero Flow*(c,d)	10.2	kW												
10	<table border="1"> <caption>Graph Data Points</caption> <thead> <tr> <th>Capacity (ACFM)</th> <th>Specific Power (kW/100ACFM)</th> </tr> </thead> <tbody> <tr> <td>71.1</td> <td>27.5</td> </tr> <tr> <td>116.0</td> <td>27.3</td> </tr> <tr> <td>163.6</td> <td>28.2</td> </tr> <tr> <td>211.1</td> <td>31.6</td> </tr> <tr> <td>258.6</td> <td>39.9</td> </tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	71.1	27.5	116.0	27.3	163.6	28.2	211.1	31.6	258.6	39.9
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\*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator

Consult CAGI website for a list of participants in the third party verification program:

[www.cagi.org](http://www.cagi.org)

Notes:

- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
- Tolerance is specified in ISO 1217, Annex E, as shown in table below:  
NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Member



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m <sup>3</sup> / min	ft <sup>3</sup> / min	%	%	
Below 0.5	Below 15	+/- 7	+/- 8	+/- 10
0.5 to 1.5	15 to 50	+/- 6	+/- 7	
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	