

**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 37VSD-8.6	Date: 06-23-2021													
	<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)	124.7	psig*(b)												
4	Drive Motor Nominal Rating	49.6	hp												
5	Drive Motor Nominal Efficiency	92.0	percent												
6	Fan Motor Nominal Rating (if applicable)	2.6	hp												
7	Fan Motor Nominal Efficiency	73.0	percent												
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)												
	47.9      Max	194.0	24.7												
	39.4	163.0	24.1												
	34.0	132.1	25.7												
	26.8	101.1	26.5												
	22.4      Min	70.2	31.9												
9*	Total Package Input Power at Zero Flow*(c,d)	6.9	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>70</td> <td>32.0</td> </tr> <tr> <td>101.1</td> <td>26.5</td> </tr> <tr> <td>132.1</td> <td>25.7</td> </tr> <tr> <td>163.0</td> <td>24.1</td> </tr> <tr> <td>194.0</td> <td>24.7</td> </tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	70	32.0	101.1	26.5	132.1	25.7	163.0	24.1	194.0	24.7
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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	