

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 90 VSD+-10.4	Date: 01-06-2024													
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw													
	<input type="checkbox"/> Lubricated <input checked="" type="checkbox"/> Oil-free	# of Stages: 2													
3	Full Load Operating Pressure*(b)	125.0	psig*(b)												
4	Drive Motor Nominal Rating	60.3 & 60.3	hp												
5	Drive Motor Nominal Efficiency	97.0 & 97.0	percent												
6	Fan Motor Nominal Rating (if applicable)	11.8	hp												
7	Fan Motor Nominal Efficiency	69.9	percent												
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)												
	103.0 Max	534.3	19.3												
	86.7	442.0	19.6												
	71.0	349.6	20.3												
	55.7	257.3	21.6												
40.6 Min	164.9	24.6													
9*	Total Package Input Power at Zero Flow*(c,d)		0.0 kW												
10	<table border="1" style="margin: 10px auto; border-collapse: collapse;"> <caption>Graph Data Points</caption> <thead> <tr> <th>Capacity (ACFM)</th> <th>Specific Power (kW/100ACFM)</th> </tr> </thead> <tbody> <tr> <td>164.9</td> <td>24.6</td> </tr> <tr> <td>257.3</td> <td>21.6</td> </tr> <tr> <td>349.6</td> <td>20.3</td> </tr> <tr> <td>442.0</td> <td>19.6</td> </tr> <tr> <td>534.3</td> <td>19.3</td> </tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	164.9	24.6	257.3	21.6	349.6	20.3	442.0	19.6	534.3	19.3
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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

Notes:

- a. 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.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. 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.
- d. 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 ³ / min	ft ³ / 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	