

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 30 VSD+-10	Date: 08-13-2024													
	<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	40.2 & 40.2	hp												
5	Drive Motor Nominal Efficiency	96.3 & 96.3	percent												
6	Fan Motor Nominal Rating (if applicable)	1.3	hp												
7	Fan Motor Nominal Efficiency	54.0	percent												
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)												
	33.7 Max	137.3	24.5												
	30.0	122.5	24.5												
	27.1	107.7	25.2												
	24.5	92.9	26.3												
9*	21.8 Min	78.1	27.9												
	Total Package Input Power at Zero Flow*(c,d)	0.0	kW												
10	<table border="1"> <caption>Graph Data: Specific Power vs Capacity</caption> <thead> <tr> <th>Capacity (ACFM)</th> <th>Specific Power (kW/100ACFM)</th> </tr> </thead> <tbody> <tr> <td>80</td> <td>28.5</td> </tr> <tr> <td>92.9</td> <td>26.3</td> </tr> <tr> <td>107.7</td> <td>25.2</td> </tr> <tr> <td>122.5</td> <td>24.5</td> </tr> <tr> <td>137.3</td> <td>24.5</td> </tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	80	28.5	92.9	26.3	107.7	25.2	122.5	24.5	137.3	24.5
Capacity (ACFM)	Specific Power (kW/100ACFM)														
80	28.5														
92.9	26.3														
107.7	25.2														
122.5	24.5														
137.3	24.5														

*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:

- 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 ³ / min	ft ³ / min	%	%	+/- 10
Below 0.5	Below 15	+/- 7	+/- 8	
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	