

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: ZR 110 VSD+-10.4	Date: 01-06-2024													
	<input type="checkbox"/> Air-cooled <input checked="" 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)	150.0	psig*(b)												
4	Drive Motor Nominal Rating	73.8 & 73.8	hp												
5	Drive Motor Nominal Efficiency	97.0 & 97.0	percent												
6	Fan Motor Nominal Rating (if applicable)	--	hp												
7	Fan Motor Nominal Efficiency	--	percent												
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)												
	117.5 Max	587.7	20.0												
	97.6	481.9	20.3												
	78.9	376.1	21.0												
	60.6	270.3	22.4												
9*	42.2 Min	164.5	25.7												
	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>150</td> <td>25.5</td> </tr> <tr> <td>270</td> <td>22.4</td> </tr> <tr> <td>376</td> <td>21.0</td> </tr> <tr> <td>482</td> <td>20.3</td> </tr> <tr> <td>588</td> <td>20.0</td> </tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	150	25.5	270	22.4	376	21.0	482	20.3	588	20.0
Capacity (ACFM)	Specific Power (kW/100ACFM)														
150	25.5														
270	22.4														
376	21.0														
482	20.3														
588	20.0														

*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	