

COMPRESSOR DATA SHEET

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Atlas Copco														
2	Model Number: GA 110 VSD W-10.4	Date:	06-29-2020												
	<input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled	Type:	Screw												
		# of Stages:	1												
3*	Full Load Operating Pressure*(b)	155.0	psig*(b)												
4	Drive Motor Nominal Rating	147.5	hp												
5	Drive Motor Nominal Efficiency	96.0	percent												
6	Fan Motor Nominal Rating (if applicable)	0.5	hp												
7	Fan Motor Nominal Efficiency	31.0	percent												
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)												
	128.3 Max	651.5	19.7												
	106.6	538.1	19.8												
	85.3	424.7	20.1												
	64.6	311.3	20.7												
9*	Total Package Input Power at Zero Flow*(c,d)	0.0	kW												
10	Isentropic Efficiency	83.2	%												
11	<table border="1" style="margin: 10px auto; border-collapse: collapse;"> <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>200</td><td>22.5</td></tr> <tr><td>311.3</td><td>20.7</td></tr> <tr><td>424.7</td><td>20.1</td></tr> <tr><td>538.1</td><td>19.8</td></tr> <tr><td>651.5</td><td>19.7</td></tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	200	22.5	311.3	20.7	424.7	20.1	538.1	19.8	651.5	19.7
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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

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.

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	



Member