

## 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 VSDs W-10.4	Date:	09-04-2025												
	<input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled	Type:	Screw												
		# of Stages:	1												
3*	Full Load Operating Pressure*(b)	150.0	psig*(b)												
4	Drive Motor Nominal Rating	147.5	hp												
5	Drive Motor Nominal Efficiency	96.3	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)												
	130.6      Max	660.9	19.8												
	108.8	544.8	20.0												
	87.8	428.7	20.5												
	67.2	312.7	21.5												
	47.0      Min	196.6	23.9												
9*	Total Package Input Power at Zero Flow*(c,d)	0.0	kW												
10	Isentropic Efficiency	80.2	%												
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>24.0</td></tr> <tr><td>312.7</td><td>21.5</td></tr> <tr><td>428.7</td><td>20.5</td></tr> <tr><td>544.8</td><td>20.0</td></tr> <tr><td>660.9</td><td>19.8</td></tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	200	24.0	312.7	21.5	428.7	20.5	544.8	20.0	660.9	19.8
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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:

- 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 <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	

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This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.