

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-10.4	Date:	09-04-2025												
	<input checked="" type="checkbox"/> Air-cooled <input 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)	5.9	hp												
7	Fan Motor Nominal Efficiency	80.0	percent												
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)												
	131.7 Max	660.2	19.9												
	109.5	544.3	20.1												
	88.2	428.4	20.6												
	67.6	312.5	21.6												
	47.4 Min	196.6	24.1												
9*	Total Package Input Power at Zero Flow*(c,d)	0.0	kW												
10	Isentropic Efficiency	79.7	%												
11	<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>200</td><td>24.5</td></tr> <tr><td>312.5</td><td>21.6</td></tr> <tr><td>428.4</td><td>20.6</td></tr> <tr><td>544.3</td><td>20.1</td></tr> <tr><td>660.2</td><td>19.9</td></tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	200	24.5	312.5	21.6	428.4	20.6	544.3	20.1	660.2	19.9
Capacity (ACFM)	Specific Power (kW/100ACFM)														
200	24.5														
312.5	21.6														
428.4	20.6														
544.3	20.1														
660.2	19.9														

*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	

ROT 031.1

12/19 Rev 3

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.