



# 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:	<b>Atlas Copco</b>	
2	Model Number:	<b>G110VSD-145-145</b>	Date: <b>7/22/2020</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
			# of Stages: <b>1</b>
3	Full Load Operating Pressure <sup>b</sup>	<b>145</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>147</b>	hp
5	Drive Motor Nominal Efficiency	<b>95</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>4.0</b>	hp
7	Fan Motor Nominal Efficiency	<b>89.5</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>128.3</b> Max	<b>607.0</b>	<b>21.1</b>
	<b>106.6</b>	<b>506.0</b>	<b>21.1</b>
	<b>85.0</b>	<b>403.0</b>	<b>21.1</b>
	<b>63.4</b>	<b>297.0</b>	<b>21.3</b>
	<b>42.5</b>	<b>191.0</b>	<b>22.3</b>
	<b>36.5</b> Min	<b>160.0</b>	<b>22.8</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	<b>0.0</b>	kW
10	Isentropic Efficiency	<b>76.52</b>	%
11	<div style="text-align: center;"> <p style="font-size: small;">Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35...</p> </div>		

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party 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 (Item 8) and Electrical Consumption (Item 8) 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
<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / min</u>	%	%	
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	



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