



# 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:	G250VSD-145-145	Date:	7/22/2020
	<input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled		Type:	Screw
			# of Stages:	1
3	Full Load Operating Pressure <sup>b</sup>	145	psig <sup>b</sup>	
4	Drive Motor Nominal Rating	268	hp	
5	Drive Motor Nominal Efficiency	95	percent	
6	Fan Motor Nominal Rating (if applicable)	1.0	hp	
7	Fan Motor Nominal Efficiency	40.6	percent	
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>	
	259.5	Max	1280.0	20.3
	221.5		1113.0	19.9
	174.5		894.0	19.5
	128.3		666.0	19.3
	85.0		434.0	19.6
	75.3	Min	379.0	19.9
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	0.0	kW	
10	Isentropic Efficiency	82.66	%	
11	<p style="text-align: center; font-size: small;"> <b>Note: Graph is only a visual representation of the data in Section 8</b>            Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35...         </p>			

\*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
m <sup>3</sup> / min	ft <sup>3</sup> / min	%	%	
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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