



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: G160VSD-145-138		Date: 7/22/2020												
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	Screw												
	# of Stages:		1												
3	Full Load Operating Pressure <sup>b</sup>	138	psig <sup>b</sup>												
4	Drive Motor Nominal Rating	214	hp												
5	Drive Motor Nominal Efficiency	95	percent												
6	Fan Motor Nominal Rating (if applicable)	5.4	hp												
7	Fan Motor Nominal Efficiency	89.9	percent												
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>												
	184.2 Max	936.0	19.7												
	154.4	792.0	19.5												
	115.6	589.0	19.6												
	78.3	383.0	20.4												
	60.4	279.0	21.6												
	60.4 Min	279.0	21.6												
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	0.0	kW												
10	Isentropic Efficiency	79.94	%												
11	<div><div><div>Specific Power (kW/100 ACFM)</div><div><table><thead><tr><th>Capacity (ACFM)</th><th>Specific Power (kW/100 ACFM)</th></tr></thead><tbody><tr><td>279.0</td><td>21.6</td></tr><tr><td>383.0</td><td>20.4</td></tr><tr><td>589.0</td><td>19.6</td></tr><tr><td>792.0</td><td>19.5</td></tr><tr><td>936.0</td><td>19.7</td></tr></tbody></table></div><div><div>Note: Graph is only a visual representation of the data in Section 8</div><div>Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35...</div></div></div></div>			Capacity (ACFM)	Specific Power (kW/100 ACFM)	279.0	21.6	383.0	20.4	589.0	19.6	792.0	19.5	936.0	19.7
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\*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>	%	%	+/- 10%
Below 0.5	Below 17.6	+/- 7	+/- 8	
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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