



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: G200VSD-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 ^b	138	psig ^b												
4	Drive Motor Nominal Rating	268	hp												
5	Drive Motor Nominal Efficiency	95	percent												
6	Fan Motor Nominal Rating (if applicable)	10.7	hp												
7	Fan Motor Nominal Efficiency	89.9	percent												
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d												
	218.5 Max	1102.0	19.8												
	168.5	862.0	19.6												
	126.0	642.0	19.6												
	85.0	418.0	20.3												
	76.1	366.0	20.8												
	76.1 Min	366.0	20.8												
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW												
10	Isentropic Efficiency	80.05	%												
11	<div><div><div>Specific Power (kW/100 ACFM)</div><div><table><caption>Data points from Section 8 graph</caption><thead><tr><th>Capacity (ACFM)</th><th>Specific Power (kW/100 ACFM)</th></tr></thead><tbody><tr><td>366.0</td><td>20.8</td></tr><tr><td>418.0</td><td>20.3</td></tr><tr><td>642.0</td><td>19.6</td></tr><tr><td>862.0</td><td>19.6</td></tr><tr><td>1102.0</td><td>19.8</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)	366.0	20.8	418.0	20.3	642.0	19.6	862.0	19.6	1102.0	19.8
Capacity (ACFM)	Specific Power (kW/100 ACFM)														
366.0	20.8														
418.0	20.3														
642.0	19.6														
862.0	19.6														
1102.0	19.8														

*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

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 ³ / min	ft ³ / min	%	%	+/- 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	



ROT 030.1