

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: G 180 VSD Pro W-10	Date:	02-20-2024
	<input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled	Type:	Screw
		# of Stages:	1
3*	Full Load Operating Pressure*(b)	116.0	psig*(b)
4	Drive Motor Nominal Rating	241.4	hp
5	Drive Motor Nominal Efficiency	96.5	percent
6	Fan Motor Nominal Rating (if applicable)	0.9	hp
7	Fan Motor Nominal Efficiency	40.6	percent
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)
	222.1 Max	1,231.9	18.0
	180.7	1,029.1	17.6
	142.0	826.3	17.2
	105.9	623.4	17.0
	72.3 Min	420.6	17.2
9*	Total Package Input Power at Zero Flow*(c,d)	53.4	kW
10	Isentropic Efficiency	83.8	%
11			

*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	

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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.