

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		
	Model Number: GA30VSD-175 C80	Date:	3/17/2022
2	X Air-cooled 0 Water-cooled	Туре:	Screw
		# of Stages:	1
3	Full Load Operating Pressure ^b	102	psig ^b
4	Drive Motor Nominal Rating	40	hp
5	Drive Motor Nominal Efficiency	95	percent
6	Fan Motor Nominal Rating (if applicable)	1.1	hp
7	Fan Motor Nominal Efficiency	80	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	37.9 Ma	x 206.4	18.4
	30.0	168.7	17.8
	26.9	152.3	17.6
	24.4	139.0	17.6
	14.3	78.8	18.1
	6.9 Mi	n 27.7	24.9
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW
10	Isentropic Effeciency	75.19	%
11	Note: Y-Axis Scale, 10 t	75.0 100.0 125.0 Capacity (ACFM) y a visual representation of the data in \$0.35, + 5kW/100acfm increments if necescale, 0 to 25% over maximum capacity	Section 8

^{*}For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult CAGI websitefor a list of participants in the third party verification program:

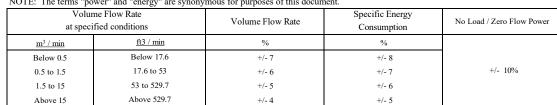
NOTES:

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.

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- 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.



ROT 030.1

12/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data