

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: GA37VSD-175 C8	Date:	3/17/2022
2	X Air-cooled 0 Water-cooled	Type:	Screw
		# of Stages:	1
3	Full Load Operating Pressure ^b	102	$psig^b$
4	Drive Motor Nominal Rating	50	hp
5	Drive Motor Nominal Efficiency	95.6	percent
6	Fan Motor Nominal Rating (if applicable)	1.8	hp
7	Fan Motor Nominal Efficiency	80	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	47.0 N	1ax 244.9	19.2
	33.4	186.3	17.9
	29.9	168.7	17.7
	24.4	139.0	17.6
	14.4	78.8	18.3
	7.1 N	Min 27.7	25.6
9*	Total Package Input Power at Zero Flow ^c ,	i 0.0	kW
10	Isentropic Effeciency	74.32	%
11	Note: Y-Axis Scale, 1	75.0 100.0 125.0 150.0 Capacity (ACFM) only a visual representation of the data in S 0 to 35, + 5kW/100acfm increments if necess s Scale, 0 to 25% over maximum capacity	175.0 200.0 225.0 250.0 275.0 Section 8 arry above 35

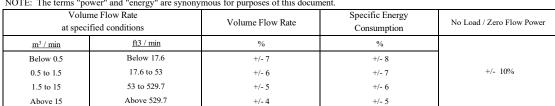
*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult CAGI websitefor a list of participants in the third party verification program:

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.

- 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

Compressed Air & Gas Institute

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