

COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

		A - FOR COMPRESS	ED AIR	
1	Manufacturer: Atlas Copco			
	Model Number: GA22VSD-175 C80	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	30	hp	
5	Drive Motor Nominal Efficiency	94.2	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	
	28.6 Ma	x 158.3	18.0	
	22.2	124.0	17.9	
	20.7	115.5	17.9	
	19.5	109.0	17.9	
	14.5	78.8	18.4	
	7.0 Mi	n 27.7	25.3	
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW	
10	Isentropic Effeciency	73.64	%	
11	Note: Y-Axis Scale, 10 t	50.0 75.0 100 Capacity (ACFM) y a visual representation of the data in So 35, + 5kW/100acfm increments if necess cale, 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: www.cagi.org

NOTES:

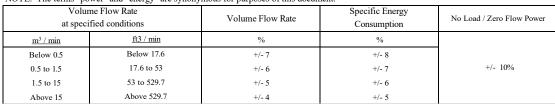
a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E;
 ACFM is actual cubic feet per minute at inlet conditions.

Member

Compressed Air & Gas Institute

- 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.





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