

COMPRESSOR DATA SHEET

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

Rotary Compressor: Variable Frequency Drive

			- FOR COMPRESSEI		
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 Max		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	Min	27.7	25.3	
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0	kW	
10	Isentropic Effeciency		73.64	9/0	
11	35.0 30.0 30.0 25.0 20.0 20.0 15.0	0.0 25.0 50	00 75.0 100.0 Capacity (ACFM)	125.0 150.0 175.0	
		Note: Y-Axis Scale, 10 to 35	visual representation of the data in Sections, + 5kW/100acfm increments if necessary in the control of the cont		

^{*}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:

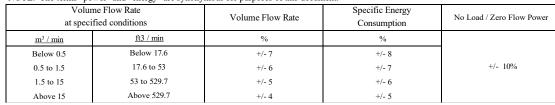
a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions.

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



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1	Manufacturer: Atlas	Сорсо					
	Model Number: GA22	VSD-175 C80		Date:		3/17/2022	
2	X Air-cooled 0 V		Type:	/pe: Screw			
		# of Stages:					
3	Full Load Operating Pressure ^b		138		$psig^b$		
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		
	Input Power (kW)		Capacity (acfn	n) ^{a,d}	Specific Power (kW/100 acfm) ^d		
	27.9 Max		134.3		20.8		
8*	25.7		123.2		20.9		
	24.1		114.7		21.0		
	22.8		108.1		21.1		
	17.2		77.8		22.1		
	8.3 Min		27.4		30.4		
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0		kW		
10	Isentropic Effeciency	72.35			%		
11	35.0 30.0 30.0 30.0 Yeefilit Power (KW/100 AGFM) 25.0 20.0 20.0						_
	15.0 10.0 0.0 N	ote: Y-Axis Scale, 10 to 35	50.0 7 Capacity (ACFM) visual representation of th 5, + 5kW/100acfm incremer e, 0 to 25% over maximum	te data in Section 8	35	125.0	150.0

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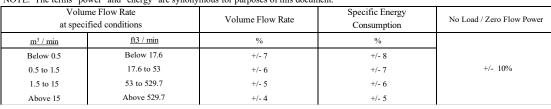
NOTES:

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.
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ROT 030.1

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		MODEL DATA	- FOR COMPRESSED	O 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	g Pressure ^b	181	psig ^b
4	Drive Motor Nomir	nal 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
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	28.5 Max		113.6	25.1
	27.1		107.1	25.3
8*	23.9		91.9	26.0
	20.7		76.7	27.0
	14.5		47.4	30.5
	10.1 Min		27.0	37.3
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0	kW
10	Isentropic Effecience	су	66.86	%
11	Specific Power (kW)100 ACFM) 20	5.0		
	15	Note: Graph is only a Note: Y-Axis Scale, 10 to 33	50.0 75.0 Capacity (ACFM) visual representation of the data in Section, + 5kW/100acfm increments if necessary at the compact of the compact	on 8

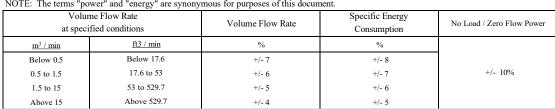
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NOTES:

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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