

# COMPRESSOR DATA SHEET

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

### **Rotary Compressor: Variable Frequency Drive**

		MODEL DATA	- FOR CO	MPRESS	SED AIF	2		
1	Manufacturer: Atl	as Copco						
	Model Number: GA26VSD+-175   X Air-cooled   Water-cooled		Date:		11/30/2020			
2				Type:	Screw			
			#	of Stages:			1	
3	Full Load Operating Press	ure <sup>b</sup>	102	2		psig <sup>b</sup>		
4	Drive Motor Nominal Rati		35			hp		
5	Drive Motor Nominal Effi	ciency	96.	5			percent	
6	Fan Motor Nominal Rating	g (if applicable)	3.5				hp	
7	Fan Motor Nominal Effici	ency	77				percent	
	Input Power (	kW)	Capacity (	acfm) <sup>a,d</sup>	S	Specific Po	ower (kW/1	00 acfm) <sup>d</sup>
	33.6 Max		180.	8		18.6		
0*	27.6		152.	9		18.1		
8*	24.8		138.	0		18.0		
	16.9		94.0	5		17.9		
	12.1		65	3		18.5		
	7.0	Min	30.7	7			22.8	
9*	Total Package Input Power at Zero Flow <sup>c, d</sup> <b>0.0</b> kW							
10	Isentropic Effeciency		74.0	4			%	
11	25.0 20.0 20.0 20.0 15.0							
		25.0 50.0 Note: Graph is only a Note: Y-Axis Scale, 10 to 3: X-Axis Scale		crements if neces		150.0	175.0	200.0

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

Consult CAGI website for a list of participants in the third party verification program:

NOTES: Member

- 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.

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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.



ROT 030.1

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Gas Institute		ne Flow Rate fied conditions	Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power					
	m <sup>3</sup> / min	<u>ft3 / min</u>	%	%						
	Below 0.5	Below 17.6	+/- 7	+/- 8						
	0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	+/- 10%					
	1.5 to 15	53 to 529.7	+/- 5	+/- 6						
	Above 15	Above 529.7	+/- 4	+/- 5						
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		- FOR COMPR	ESSED AII	R		
1	Manufacturer:	Atlas Copco					
	Model Number:	GA26VSD+-175	Da	ate:	11/3	0/2020	
2	X Air-cooled	Water-cooled	Ту	ype:	Se	erew	
			# of Stag	ges:		1	
3	Full Load Operatin	g Pressure <sup>b</sup>	138		psig <sup>b</sup>		
4	Drive Motor Nomi	nal Rating	35			hp	
5	Drive Motor Nomi	nal Efficiency	96.5		pe	rcent	
6	Fan Motor Nomina	l Rating (if applicable)	3.5			hp	
7	Fan Motor Nomina	l Efficiency	77		pe	rcent	
	Input I	Power (kW)	Capacity (acfm) <sup>a,</sup>	,d	Specific Power	r (kW/100 a	acfm) <sup>d</sup>
	35.2	Max	165.1		21.3		
O.th	28.7		137.0		20.9		
8*	25.8		122.1		21.1		
	20.2		93.1		21.7		
	14.6		64.0		22.8		
	9.6	Min	35.8		2	6.8	
9*		t Power at Zero Flow <sup>c, d</sup>	0.0		kW		
10	Isentropic Effecien	cy	73.29			%	
11	2 Specific Power (KW/100 ACFM) 1			100.0	125.0 1:		
		Note: Y-Axis Scale, 10 to 3	Capacity (ACFM) visual representation of the da 5, + 5kW/100acfm increments if e, 0 to 25% over maximum capa	f necessary above 35			

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

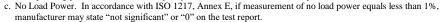
d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

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NOTES: Member

- 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.

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Institute	Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power					
	$\underline{m^3} / \underline{min}$	<u>ft3 / min</u>	%	%						
	Below 0.5	Below 17.6	+/- 7	+/- 8						
	0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	+/- 10%					
	1.5 to 15	53 to 529.7	+/- 5	+/- 6						
	Above 15	Above 529.7	+/- 4	+/- 5						
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### **Rotary Compressor: Variable Frequency Drive**

1	Manufacturer:	Atlas Cop	со						
	Model Number:	GA26VSI	0+-175		Date:		11/30/2020	)	
2	X Air-cooled	Wate	r-cooled		Type:		Screw		
				# oi	Stages:		1		
3	Full Load Operating Pressure <sup>b</sup>		181			psig <sup>b</sup>			
4	Drive Motor No	ominal Rating		35			hp		
5	Drive Motor No	ominal Efficiency		96.5			percent		
6	Fan Motor Nom	ninal Rating (if ap	plicable)	3.5			hp		
7	Fan Motor Nom	ninal Efficiency		77			percent		
	Input Power (kW)			Capacity (ac	fm) <sup>a,d</sup>	Specific	Power (kW/	100 acfm) <sup>d</sup>	
	<b>34.7</b> Max		Max	135.9			25.5		
8*	31.4			122.1			25.7		
8*	24.8			92.4			26.8		
	18.2			63.0		28.9			
	12.7			34.6			36.7		
	12	2.7	Min	34.6			36.7		
9*		nput Power at Zei	o Flow <sup>c, d</sup>	0.0			kW		
10	Isentropic Effec	eiency		67.04			%		
		40.0							
		35.0							
		5510							
	± € 30.0			$\overline{}$					
	Specific Power (kW/100 ACFM)	25.0							
	Specif ¢W/10								
11		20.0							
		15.0							
		10.0	25.0	50.0	75.0	100.0	125.0	150.0	
				Capacity (ACFM)					
			: Graph is only a vis Axis Scale, 10 to 35,	sual representation of + 5kW/100acfm increa 0 to 25% over maximu	nents if necessary				

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d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

NOTES: Member

- 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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	$\underline{m}^3 / \underline{min}$	<u>ft3 / min</u>	%	%						
	Below 0.5	Below 17.6	+/- 7	+/- 8						
	0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	+/- 10%					
	1.5 to 15	53 to 529.7	+/- 5	+/- 6						
	Above 15	Above 529.7	+/- 4	+/- 5						
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