

# **COMPRESSOR DATA SHEET**

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

**Rotary Compressor: Variable Frequency Drive** 

	<u> </u>	L DATA	- FOR COMPRESS			
1	Manufacturer: Atlas Copco					
	Model Number: GA26VSD-1	75 C80	Date:	3/17/2022		
2	X Air-cooled 0 Water-co	ooled	Type:	Screw		
İ			# of Stages:	1		
3	Full Load Operating Pressure <sup>b</sup>		102	psig <sup>b</sup>		
4	Drive Motor Nominal Rating		35	hp		
5	Drive Motor Nominal Efficiency		95.1	percent		
6	Fan Motor Nominal Rating (if applicable)		1.1	hp	•	
7	Fan Motor Nominal Efficiency		80	percent		
	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/1	00 acfm) <sup>d</sup>	
	29.4	Max	164.3	17.9		
	24.5		138.4	17.7	17.7	
8*	21.9		124.0	17.7		
	16.8		93.9	17.9		
	14.4		78.8	18.3		
	7.0	Min	27.7	25.1		
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		0.0	kW		
10	Isentropic Effeciency		74.49	%		
11	35.0 30.0 30.0 25.0 20.0 15.0 10.0 25.0 Note: G Note: Y-Axis	Scale, 10 to 35	.0 75.0 100  Capacity (ACFM)  visual representation of the data in S , + 5kW100acfm increments if necess , 0 to 25% over maximum capacity	Section 8		

<sup>\*</sup>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:

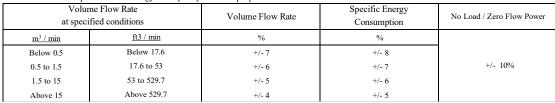
NOTES:

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.







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# **Rotary Compressor: Variable Frequency Drive**

	MODEL DAT	'A - FOR COMPRESS	ED AIR
1	Manufacturer: Atlas Copco		
	Model Number: GA26VSD-175 C80	Date:	3/17/2022
2	X Air-cooled 0 Water-cooled	Type:	Screw
ſ		# of Stages:	1
3	Full Load Operating Pressure <sup>b</sup>	138	psig <sup>b</sup>
4	Drive Motor Nominal Rating	35	hp
5	Drive Motor Nominal Efficiency	95.1	percent
6	Fan Motor Nominal Rating (if applicable)	1.1	hp
7	Fan Motor Nominal Efficiency	80	percent
	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	31.2 Ma	x 151.8	20.5
O.t.	28.3	137.6	20.6
8*	25.5	123.2	20.7
	19.8	93.0	21.3
	17.1	77.8	21.9
	<b>8.3</b> M	n 27.4	30.1
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	0.0	kW
10	Isentropic Effeciency	74.20	%
11	Note: Y-Axis Scale, 10	50.0 75.0 100  Capacity (ACFM)  y a visual representation of the data in S o 35, + 5kW/100acfm increments if necesscale, 0 to 25% over maximum capacity	Section 8

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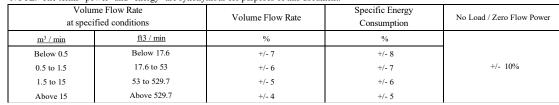
a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions.

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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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**Rotary Compressor: Variable Frequency Drive** 

	MODEL DA	ATA - FOR COMPRESS	SED AIR	
1	Manufacturer: Atlas Copco			
	Model Number: GA26VSD-175 C	80 Date:	3/17/2022	
2	X Air-cooled 0 Water-cooled	Type:	Screw	
		# of Stages:		
3	Full Load Operating Pressure <sup>b</sup>	181	$psig^b$	
4	Drive Motor Nominal Rating	35	hp	
5	Drive Motor Nominal Efficiency	95.1	percent	
6	Fan Motor Nominal Rating (if applicable)	1.1	hp	
7	Fan Motor Nominal Efficiency	80	percent	
	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>	
	33.3	Max 136.6	24.4	
O.t.	30.1	122.2	24.6	
8*	23.7	91.9	25.7	
	20.5	76.7	26.8	
	14.3	47.4	30.2	
	10.0	Min <b>27.0</b>	36.9	
9*	Total Package Input Power at Zero Flow <sup>c</sup> ,		kW	
10	Isentropic Effeciency	69.98	%	
11	35.0 30.0 30.0 25.0 20.0			
	Note: Y-Axis Scale,	50.0 75.0  Capacity (ACFM)  only a visual representation of the data in 10 to 35, + 5kW/100acfm increments if neces is Scale, 0 to 25% over maximum capacity		

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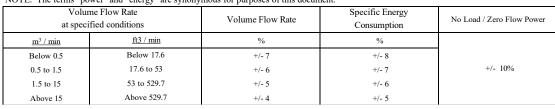
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