

COMPRESSOR DATA SHEET

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

Rotary Compressor: Variable Frequency Drive

	MODEL DATA	- FOR COMPRESSE	ED AIR
1	Manufacturer: Atlas Copco		
	Model Number: GA75VSD+	Date:	11/30/2020
2	X Air-cooled Water-cooled	Type:	Screw
		# of Stages:	1
3	Full Load Operating Pressure ^b	102	psig ^b
4	Drive Motor Nominal Rating	100	hp
5	Drive Motor Nominal Efficiency	96	percent
6	Fan Motor Nominal Rating (if applicable)	4.7	hp
7	Fan Motor Nominal Efficiency	83	percent
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	83.7 Max	476.4	17.6
O.I.	62.3	358.7	17.4
8*	39.3	218.8	18.0
	27.6	142.9	19.3
	19.4	87.7	22.1
	14.9 Min	57.3	26.0
9*	Total Package Input Power at Zero Flow ^{c, d}	1.1	kW
10	Isentropic Effeciency	76.01	%
11	Note: Graph is only a Note: Y-Axis Scale, 10 to 3:	0.0 175.0 200.0 225.0 250.0 275.0 300.0 Capacity (ACFM) visual representation of the data in Sec 5, + 5kW/100acfm increments if necessare, 0 to 25% over maximum capacity	2) 325.0 350.0 375.0 400.0 425.0 450.0 475.0 500.0 525.0 etion 8 ry above 35

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

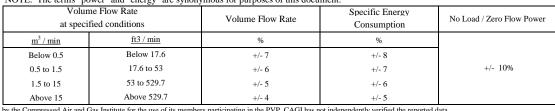
NOTES:

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.





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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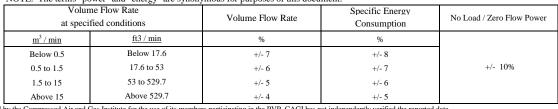
	MODEL DATA	- FOR COMPRESS	ED AIR
1	Manufacturer: Atlas Copco		
	Model Number: GA75VSD+	Date:	11/30/2020
2	X Air-cooled Water-cooled	Type:	Screw
		# of Stages:	1
3	Full Load Operating Pressure ^b	138	psig ^b
4	Drive Motor Nominal Rating	100	hp
5	Drive Motor Nominal Efficiency	96	percent
6	Fan Motor Nominal Rating (if applicable)	4.7	hp
7	Fan Motor Nominal Efficiency	83	percent
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	84.0 Max	419.1	20.0
Out	60.6	300.0	20.2
8*	38.6	179.6	21.5
	25.5	104.5	24.4
	22.6	87.1	25.9
	17.3 Min	56.7	30.5
9*	Total Package Input Power at Zero Flow ^{c, d}	1.1	kW
10	Isentropic Effeciency	77.06	%
11	Note: Graph is only a Note: Y-Axis Scale, 10 to 3	5.0 150.0 175.0 200.0 225.0 250.0 Capacity (ACFM) visual representation of the data in St. 5, + 5kW/100acfm increments if necess e, 0 to 25% over maximum capacity	275.0 300.0 325.0 350.0 375.0 400.0 425.0 450.0 ection 8 ary above 35

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Rotary Compressor: Variable Frequency Drive

	M	ODEL DATA	- FOR COMPRESS	ED AIR
1	Manufacturer: Atlas	Сорсо		
	Model Number: GA75VSD+ X Air-cooled Water-cooled		Date:	11/30/2020
2			Type:	Screw
			# of Stages:	
3	Full Load Operating Pressure ^b		181	psig ^b
4	Drive Motor Nominal Rating		100	hp
5	Drive Motor Nominal Efficiency		96	percent
6	Fan Motor Nominal Rating (if applicable)		4.7	hp
7	Fan Motor Nominal Efficiency		83	percent
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	82.6	Max	353.5	23.4
OΨ	70.1		297.3	23.6
8*	52.6		214.9	24.5
	37.4		141.3	26.5
	30.0		105.2	28.5
	26.7	Min	88.5	30.2
9*	Total Package Input Power at Zero Flow ^{c, d}		1.1	kW
10	Isentropic Effeciency		74.60	%
11	35.0 30.0 30.0 25.0 20.0 15.0 10.0 25.0	e: Y-Axis Scale, 10 to 3:	O 125.0 150.0 175.0 200.0 Capacity (ACFM) visual representation of the data in St. 5., + 5kW/100acfm increments if necess 5., 0 to 25% over maximum capacity	

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NOTES:

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	NOTE: The terms "power" and "energy" are synony Volume Flow Rate at specified conditions		Specific Energy Consumption	No Load / Zero Flow Power	
m ³ / min	ft3 / min	%	%		
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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