

COMPRESSOR DATA SHEET

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

Rotary Compressor: Variable Frequency Drive

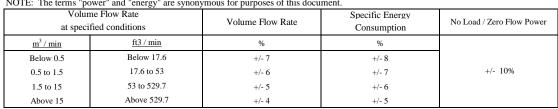
MODEL DATA - FOR COMPRESSED AIR						
1	Manufacturer: Atlas Copco					
	Model Number: GA75LVSD+	Date:	11/30/2020			
2	X Air-cooled Water-cooled	Type:	Screw			
		# of Stages:	1			
3	Full Load Operating Pressure ^b	102	psig ^b			
4	Drive Motor Nominal Rating	100	hp			
5	Drive Motor Nominal Efficiency	96	percent			
6	Fan Motor Nominal Rating (if applicable)	2.6	hp			
7	Fan Motor Nominal Efficiency	79	percent			
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d			
	93.8 Max	563.4	16.6			
Odi	68.3	423.4	16.1			
8*	51.3	318.1	16.1			
	37.1	224.6	16.5			
	26.2	149.2	17.6			
	19.4 Min	101.2	19.2			
9*	Total Package Input Power at Zero Flow ^{c, d}	1.1	kW			
10	Isentropic Effeciency	82.27	<u>%</u>			
11	110.0 0.0 25.0 50.0 75.0 100.0 125.0 150.0175.0 200.0 225.0 250.0 275.0 300.0 325.0 350.0 375.0 400.0 425.0 450.0 475.0 500.0 525.0 550.0 575.0 60 Capacity (ACFM) Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity					

*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.
- 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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	MOD	EL DATA	- FOR COMPRESSE	ED AIR	
1	Manufacturer: Atlas Cope	co			
	Model Number: GA75LVS	D+	Date:	11/30/2020	
2	X Air-cooled Water-cooled		Type:	Screw	
			# of Stages:		
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 app	Fan Motor Nominal Rating (if applicable)		hp	
7	Fan Motor Nominal Efficiency		79	percent	
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d	
	94.5	Max	498.6	19.0	
OΨ	79.1		419.2	18.9	
8*	59.9		316.5	18.9	
	43.6		225.0	19.4	
	30.9		150.2	20.6	
	26.6 Min		123.9	21.5	
9*		Total Package Input Power at Zero Flow ^{c, d}		kW	
10	Isentropic Effeciency		82.95	<u>%</u>	
11	25.0 20.0 VIVIO ACINI POWER 10.0 10.0 52.0 25.0 20.0 7	5.0 100.0 125.0 150	0.0 175.0 200.0 225.0 250.0 275.0 300.0 Capacity (ACFM)	325.0 350.0 375.0 400.0 425.0 450.0 475.0 500.0 525.0	
		Axis Scale, 10 to 35	visual representation of the data in Sect., + 5kW100acfm increments if necessar, 0 to 25% over maximum capacity		

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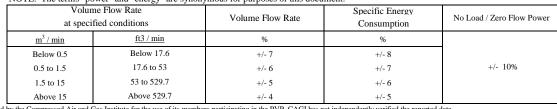
NOTES:

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 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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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 COMPRESSI	ED AIR	
1 N	Ianufacturer:	Atlas Copco			
N	Model Number:	GA75LVSD+	Date:	11/30/2020	
2	X Air-cooled Water-cooled		Type:	Screw	
			# of Stages:	1	
3	Full Load Operating I	Pressure ^b	181	psig ^b	
4	Drive Motor Nominal		100	hp	
5	Drive Motor Nominal Efficiency		96	percent	
6	Fan Motor Nominal R	ating (if applicable)	2.6	hp	
7	Fan Motor Nominal E	Efficiency	79	percent	
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d	
	92.1	Max	411.6	22.4	
O.I.	79.5		355.0	22.4	
8*	69.9		311.7	22.4	
	51.1		223.3	22.9	
	41.9		177.0	23.7	
	36.6	Min	148.6	24.6	
9*	Total Package Input Power at Zero Flow ^{c, d}		1.1	kW	
10	Isentropic Effeciency		79.81	%	
11	25.0 • Specific Power (KW)100 ACFM) 10.0 • O	Note: Graph is only a	.0 150.0 175.0 200.0 225.0 250.0 Capacity (ACFM) visual representation of the data in Sec., + 5kW/100acfm increments if necessar		

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1	NOTE: The terms "power" and "energy" are synonymous for purposes of this document.					
	Volume Flow Rate at specified conditions		Walanaa Elana Data	Specific Energy	No Load / Zero Flow Power	
			Volume Flow Rate	Consumption	No Load / Zero Flow Power	
	$\underline{m}^3 / \underline{min}$	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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