

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

### Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Atlas Copco</b>		
2	Model Number: <b>GA75VSD+</b>	Date: <b>11/30/2020</b>	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: <b>Screw</b>	
		# of Stages: <b>1</b>	
3	Full Load Operating Pressure <sup>b</sup>	<b>102</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>100</b>	hp
5	Drive Motor Nominal Efficiency	<b>96</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>4.7</b>	hp
7	Fan Motor Nominal Efficiency	<b>83</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>83.7</b> Max	<b>476.4</b>	<b>17.6</b>
	<b>62.3</b>	<b>358.7</b>	<b>17.4</b>
	<b>39.3</b>	<b>218.8</b>	<b>18.0</b>
	<b>27.6</b>	<b>142.9</b>	<b>19.3</b>
	<b>19.4</b>	<b>87.7</b>	<b>22.1</b>
	<b>14.9</b> Min	<b>57.3</b>	<b>26.0</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	<b>1.1</b>	kW
10	Isentropic Efficiency	<b>76.01</b>	%
11	<p><b>Note: Graph is only a visual representation of the data in Section 8</b>  Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35  X-Axis Scale, 0 to 25% over maximum capacity</p>		

\*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:

[www.cagi.org](http://www.cagi.org)

#### NOTES:

- 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.
- The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet.
- 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.
- 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.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m <sup>3</sup> / min	ft <sup>3</sup> / min	%	%	
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

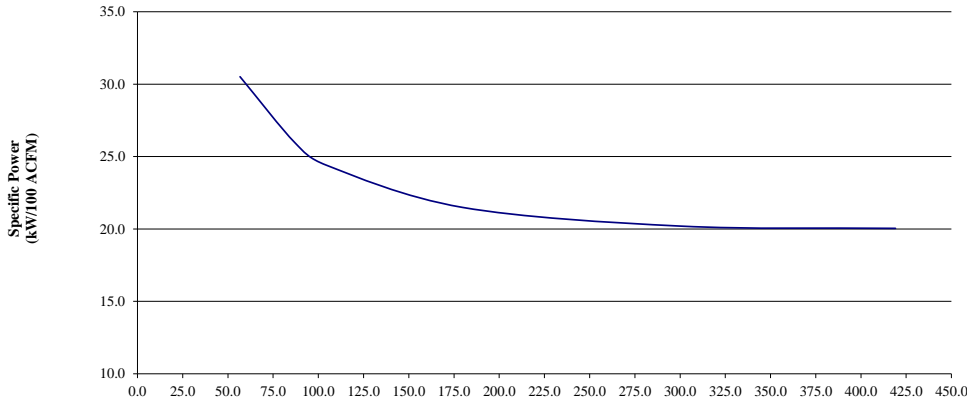


ROT 030.1

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	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: <b>Screw</b>	
		# of Stages: <b>1</b>	
3	Full Load Operating Pressure <sup>b</sup>	<b>138</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>100</b>	hp
5	Drive Motor Nominal Efficiency	<b>96</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>4.7</b>	hp
7	Fan Motor Nominal Efficiency	<b>83</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>84.0</b> Max	<b>419.1</b>	<b>20.0</b>
	<b>60.6</b>	<b>300.0</b>	<b>20.2</b>
	<b>38.6</b>	<b>179.6</b>	<b>21.5</b>
	<b>25.5</b>	<b>104.5</b>	<b>24.4</b>
	<b>22.6</b>	<b>87.1</b>	<b>25.9</b>
	<b>17.3</b> Min	<b>56.7</b>	<b>30.5</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		<b>1.1</b> kW
10	Isentropic Efficiency		<b>77.06</b> %
11	 <p><b>Note: Graph is only a visual representation of the data in Section 8</b>          Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35          X-Axis Scale, 0 to 25% over maximum capacity</p>		

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0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
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		# of Stages: <b>1</b>	
3	Full Load Operating Pressure <sup>b</sup>	<b>181</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>100</b>	hp
5	Drive Motor Nominal Efficiency	<b>96</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>4.7</b>	hp
7	Fan Motor Nominal Efficiency	<b>83</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>82.6</b> Max	<b>353.5</b>	<b>23.4</b>
	<b>70.1</b>	<b>297.3</b>	<b>23.6</b>
	<b>52.6</b>	<b>214.9</b>	<b>24.5</b>
	<b>37.4</b>	<b>141.3</b>	<b>26.5</b>
	<b>30.0</b>	<b>105.2</b>	<b>28.5</b>
	<b>26.7</b> Min	<b>88.5</b>	<b>30.2</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		<b>1.1</b> kW
10	Isentropic Efficiency		<b>74.60</b> %
11	<p><b>Note: Graph is only a visual representation of the data in Section 8</b>  Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35  X-Axis Scale, 0 to 25% over maximum capacity</p>		

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