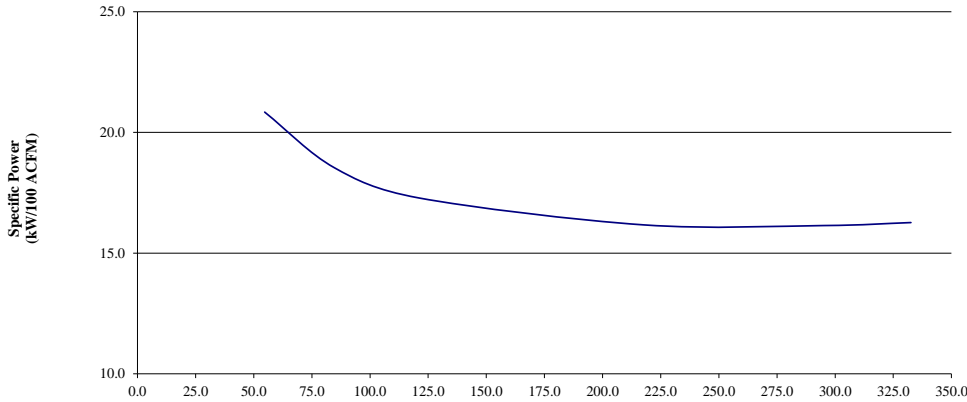


## In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

### Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Atlas Copco</b>		
2	Model Number: <b>GA45VSD+</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>60</b>	hp
5	Drive Motor Nominal Efficiency	<b>96</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>1.1</b>	hp
7	Fan Motor Nominal Efficiency	<b>73</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>54.1</b> Max	<b>332.6</b>	<b>16.3</b>
	<b>47.6</b>	<b>294.9</b>	<b>16.1</b>
	<b>35.2</b>	<b>217.7</b>	<b>16.2</b>
	<b>20.9</b>	<b>120.9</b>	<b>17.3</b>
	<b>15.7</b>	<b>84.7</b>	<b>18.5</b>
	<b>11.4</b> Min	<b>54.7</b>	<b>20.8</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		<b>1.1</b> kW
10	Isentropic Efficiency		<b>82.07</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

## 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>GA45VSD+</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>138</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>60</b>	hp
5	Drive Motor Nominal Efficiency	<b>96</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>1.1</b>	hp
7	Fan Motor Nominal Efficiency	<b>73</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>54.9</b> Max	<b>290.8</b>	<b>18.9</b>
	<b>46.7</b>	<b>244.4</b>	<b>19.1</b>
	<b>34.7</b>	<b>176.7</b>	<b>19.6</b>
	<b>24.8</b>	<b>120.8</b>	<b>20.5</b>
	<b>18.6</b>	<b>84.2</b>	<b>22.1</b>
	<b>13.3</b> Min	<b>52.6</b>	<b>25.3</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	<b>1.1</b>	kW
10	Isentropic Efficiency	<b>80.92</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.

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[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	

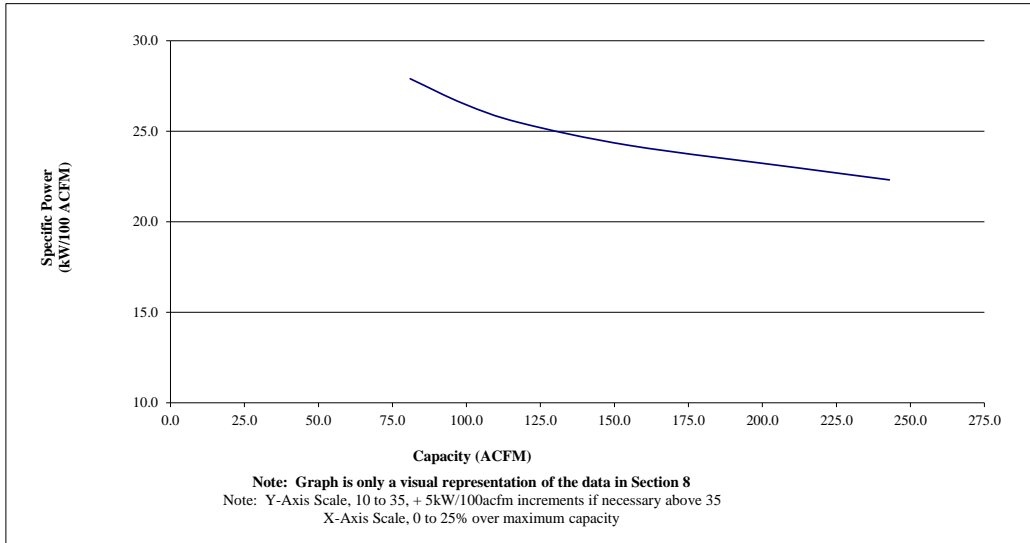
Member



ROT 030.1

## 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>GA45VSD+</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>181</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>60</b>	hp
5	Drive Motor Nominal Efficiency	<b>96</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>1.1</b>	hp
7	Fan Motor Nominal Efficiency	<b>73</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>54.2</b> Max	<b>242.9</b>	<b>22.3</b>
	<b>48.6</b>	<b>211.4</b>	<b>23.0</b>
	<b>37.6</b>	<b>155.3</b>	<b>24.2</b>
	<b>30.1</b>	<b>118.2</b>	<b>25.5</b>
	<b>26.3</b>	<b>99.2</b>	<b>26.5</b>
	<b>22.6</b> Min	<b>81.0</b>	<b>27.9</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		<b>1.1</b> kW
10	Isentropic Efficiency		<b>75.70</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.

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[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.
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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