



# 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: <b>Atlas Copco</b>  |                                |   |
| 2  | Model Number: <b>G132VSD-145-116</b>  | Date:                          | <b>7/22/2020</b>                          |
|    | <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled  | Type:                          | <b>Screw</b>                              |
|    |   | # of Stages:                   | <b>1</b>                                  |
| 3  | Full Load Operating Pressure <sup>b</sup>   | <b>116</b>                     | psig <sup>b</sup>                         |
| 4  | Drive Motor Nominal Rating  | <b>177</b>                     | hp  |
| 5  | Drive Motor Nominal Efficiency  | <b>95</b>                      | percent                                   |
| 6  | Fan Motor Nominal Rating (if applicable)  | <b>1.0</b>                     | hp  |
| 7  | Fan Motor Nominal Efficiency  | <b>40.6</b>                    | percent                                   |
| 8* | Input Power (kW)  | Capacity (acfm) <sup>a,d</sup> | Specific Power (kW/100 acfm) <sup>d</sup> |
|    | <b>152.1</b> Max  | <b>800.0</b>                   | <b>19.0</b>                               |
|    | <b>135.0</b>  | <b>719.0</b>                   | <b>18.8</b>                               |
|    | <b>110.4</b>  | <b>599.0</b>                   | <b>18.4</b>                               |
|    | <b>87.2</b>   | <b>477.0</b>                   | <b>18.3</b>                               |
|    | <b>64.1</b>   | <b>354.0</b>                   | <b>18.1</b>                               |
|    | <b>42.5</b> Min   | <b>229.0</b>                   | <b>18.6</b>                               |
| 9* | Total Package Input Power at Zero Flow <sup>c, d</sup>  | <b>0.0</b>                     | kW  |
| 10 | Isentropic Efficiency   | <b>78.01</b>                   | %   |
| 11 | <p style="text-align: center; font-size: small;"> <b>Note: Graph is only a visual representation of the data in Section 8</b><br/>           Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35...         </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:**

- 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.

| Volume Flow Rate at specified conditions |                       | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power |
|--|-----------------------|------------------|-----------------------------|---------------------------|
| $m^3 / min$                              | 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