



## COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

### Rotary Compressor: Variable Frequency Drive

| MODEL DATA - FOR COMPRESSED AIR |  |                                       |                                |  |
|---------------------------------|--|---------------------------------------|--------------------------------|--|
| 1                               | Manufacturer: <b>Quincy Compressor</b>   |                                       |                                |  |
| 2                               | Model Number: <b>QGV 300</b>   |                                       | Date:                          | <b>06/10/24</b>                              |
|                                 | <input checked="" type="checkbox"/> Air-cooled   | <input type="checkbox"/> Water-cooled | Type:                          | <b>Screw</b>                                 |
|                                 | <input checked="" type="checkbox"/> Lubricated   | <input type="checkbox"/> Oil Free     | # of Stages:                   | <b>1</b>                                     |
| 3*                              | Full Load Operating Pressure <sup>b</sup>  | <b>100</b>                            | psig <sup>b</sup>              |  |
| 4                               | Drive Motor Nominal Rating   | <b>300</b>                            | hp                             |  |
| 5                               | Drive Motor Nominal Efficiency   | <b>95.2</b>                           | percent                        |  |
| 6                               | Fan Motor Nominal Rating (if applicable)   | <b>2 x 6.5</b>                        | hp                             |  |
| 7                               | Fan Motor Nominal Efficiency   | <b>89.5</b>                           | percent                        |  |
| 8*                              | Input Power (kW)   |                                       | Capacity (acfm) <sup>a,d</sup> | Specific Power<br>(kW/100 acfm) <sup>d</sup> |
|                                 | 309.7  |                                       | <b>1821.7</b>                  | <b>17.00</b>                                 |
|                                 | 264.3  |                                       | <b>1533.0</b>                  | <b>17.24</b>                                 |
|                                 | 227.7  |                                       | <b>1301.3</b>                  | <b>17.50</b>                                 |
|                                 | 168.9  |                                       | <b>954.3</b>                   | <b>17.70</b>                                 |
|                                 | 109.3  |                                       | <b>607.4</b>                   | <b>17.99</b>                                 |
| 9*                              | Total Package Input Power at Zero Flow <sup>c, d</sup>   |                                       | <b>0.0</b>                     | kW   |
| 10                              | <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<br/>           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:**

- 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.



Member

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

ROT 031.2