

COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

| | | | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------|
| 1 | Manufacturer: Quincy Compressor | | |
| 2 | Model Number: QGV-125 | Date: | Aug-11 |
| | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled | Type: | Screw |
| | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free | # of Stages: | 1 |
| 3 | Rated Operating Pressure | 150 | psig ^b |
| 4 | Drive Motor Nominal Rating | 125 | hp |
| 5 | Drive Motor Nominal Efficiency | 95.7 | percent |
| 6 | Fan Motor Nominal Rating (if applicable) | 7.5 | hp |
| 7 | Fan Motor Nominal Efficiency | 80 | percent |
| 8* | Input Power (kW) | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d |
| | 123.7 | Max | 502.4 |
| | 120.1 | | 487.8 |
| | 92.7 | | 367.8 |
| | 65.3 | | 237.9 |
| | 38.0 | Min | 110.4 |
| 9* | Total Package Input Power at Zero Flow ^{c, d} | 0.0 | kW |
| 10 | <p style="text-align: center;"> <small>Note: Graph is only a visual representation of the data in Section 8</small> <small>Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35</small> <small>X-Axis Scale, 0 to 25% over maximum capacity</small> </p> | | |

*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator

Consult CAGI website for a list of participants in the third party verification program: 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 and Electrical Consumption 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 |
|------------------------------------------|--------------------|------------------|-----------------------------|---------------------------|
| $\frac{m^3}{min}$ | $\frac{ft^3}{min}$ | % | % | |
| Below 0.5 | Below 15 | +/- 7 | +/- 8 | +/- 10% |
| 0.5 to 1.5 | 15 to 50 | +/- 6 | +/- 7 | |
| 1.5 to 15 | 50 to 500 | +/- 5 | +/- 6 | |
| Above 15 | Above 500 | +/- 4 | +/- 5 | |



ROT 031

5/11 R6

This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.