

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: Quincy Compressor | | | |
| 2 | Model Number: QGSV-25 | | Date: | 11/07/24 |
| | <input checked="" type="checkbox"/> Air-cooled | <input type="checkbox"/> Water-cooled | Type: | Screw |
| | | | | # of Stages: 1 |
| 3* | Full Load Operating Pressure ^b | 100 | psig ^b | |
| 4 | Drive Motor Nominal Rating | 25 | hp | |
| 5 | Drive Motor Nominal Efficiency | 91.0 | percent | |
| 6 | Fan Motor Nominal Rating (if applicable) | na | hp | |
| 7 | Fan Motor Nominal Efficiency | na | percent | |
| 8* | Input Power (kW) | | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d |
| | 26.6 | | 125.1 | 21.28 |
| | 20.6 | | 101.7 | 20.28 |
| | 17.6 | | 86.7 | 20.27 |
| | 10.6 | | 51.2 | 20.70 |
| | 6.9 | | 30.7 | 22.48 |
| 9* | Total Package Input Power at Zero Flow ^{c, d} | 0.0 | kW | |
| 10 | Isentropic Efficiency | 64.4% | % | |
| 11 | <p style="text-align: center; font-size: small;"> Note: Graph is only a visual representation of the data in Section 8 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

- 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^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 | |