



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: Gardner Denver | | |
| 2 | Model Number | PureAir TVS160-W115 (NA-IP55) | Date: August 2024 |
| | <input type="checkbox"/> Air-cooled | <input checked="" type="checkbox"/> Water-cooled | Type: Screw |
| | <input type="checkbox"/> Oil Injected | <input checked="" type="checkbox"/> Oil-Free | # of Stages: 2 |
| 3* | Full Load Operating Pressure ^b | 115 | psig ^b |
| 4 | Drive Motor Nominal Rating | 200 | hp |
| 5 | Drive Motor Nominal Efficiency | 95.3% | percent |
| 6 | Fan Motor Nominal Rating (if applicable) | 1.2 | hp |
| 7 | Fan Motor Nominal Efficiency | 82.5% | percent |
| 8* | Input Power (kW) | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d |
| | 171.1 | Max | 898 |
| | 145.7 | | 781 |
| | 120.9 | | 658 |
| | 97.3 | | 531 |
| | 74.8 | | 400 |
| | 53.7 | Min | 266 |
| 9* | Total Package Input Power at Zero Flow ^{c,d} | | 0.0 kW |

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

* 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 |
|--|----------------------|------------------|-----------------------------|---------------------------|
| m ³ /min | ft ³ /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 031.2