



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 | TVS315-A155 (NA-IP55) | Date: June 2024 |
| | <input checked="" type="checkbox"/> Air-cooled <input 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 | 125 | psig ^b |
| 4 | Drive Motor Nominal Rating | 422 | hp |
| 5 | Drive Motor Nominal Efficiency | 95.9% | percent |
| 6 | Fan Motor Nominal Rating (if applicable) | 20.1 | hp |
| 7 | Fan Motor Nominal Efficiency | 92.1% | percent |
| 8* | Input Power (kW) | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d |
| | 338.9 Max | 1674 | 20.24 |
| | 283.8 | 1460 | 19.44 |
| | 234.1 | 1236 | 18.95 |
| | 189.0 | 1003 | 18.86 |
| | 147.8 | 762 | 19.40 |
| | 109.9 Min | 514 | 21.35 |
| 9* | Total Package Input Power at Zero Flow ^{c,d} | 0.0 | kW |
| 10 | <p>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 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



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 | +/- 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 | |

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