



COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Fixed Speed

| MODEL DATA - FOR COMPRESSED AIR | | | |
|---------------------------------|--|---------------------|-------------------------|
| 1 | Manufacturer: Gardner Denver | | |
| 2 | Model Number | PureAir T160 | Date: March 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* | Rated Capacity at Full Load Operating Pressure a, e | 955 | acfm ^{a, e} |
| 4 | Full Load Operating Pressure ^b | 100 | psig ^b |
| 5 | Maximum Full Flow Operating Pressure ^c | 110 | psig ^c |
| 6 | Drive Motor Nominal Rating | 200 | hp |
| 7 | Drive Motor Nominal Efficiency | 95.4% | percent |
| 8 | Fan Motor Nominal Rating (if applicable) | 10.1 | hp |
| 9 | Fan Motor Nominal Efficiency | 92.1% | percent |
| 10* | Total Package Input Power at Zero Flow ^e | 34.3 | kW ^e |
| 11 | Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d | 171.5 | kW ^d |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e | 17.96 | kW/100 cfm ^e |

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

Consult CAGI website for a list of participants in the third party verification program:

www.cagi.org

NOTES:

Member:



- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (item 3) and Electrical Consumption (item 11) were measured for this data sheet.
- Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power
- Total package input power at other than reported operating points will vary with control strategy.
- Tolerance is specified in ISO 1217, Annex C, 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 ^f | Specific Energy ^g Consumption | No Load / Zero Flow Power ^e |
|---|----------------------------|-------------------------------|---|---|
| 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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