



### COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Fixed Speed

| MODEL DATA - FOR COMPRESSED AIR |  |  |                         |
|---------------------------------|--|--|-------------------------|
| 1                               | Manufacturer: <b>Gardner Denver</b>  |  |                         |
| 2                               | Model Number   | <b>T185-W155 (NA-IP23)</b>                       | Date: <b>June 2024</b>  |
|                                 | <input type="checkbox"/> Air-cooled  | <input checked="" type="checkbox"/> Water-cooled | Type: <b>Screw</b>      |
|                                 | <input type="checkbox"/> Oil Injected  | <input checked="" type="checkbox"/> Oil-Free     | # of Stages: <b>2</b>   |
| 3*                              | Rated Capacity at Full Load Operating Pressure a, e  | <b>1018</b>                                      | acfm <sup>a, e</sup>    |
| 4                               | Full Load Operating Pressure <sup>b</sup>  | <b>145</b>                                       | psig <sup>b</sup>       |
| 5                               | Maximum Full Flow Operating Pressure <sup>c</sup>  | <b>155</b>                                       | psig <sup>c</sup>       |
| 6                               | Drive Motor Nominal Rating   | <b>250</b>                                       | hp                      |
| 7                               | Drive Motor Nominal Efficiency   | <b>95.8%</b>                                     | percent                 |
| 8                               | Fan Motor Nominal Rating (if applicable)   | <b>2.4</b>                                       | hp                      |
| 9                               | Fan Motor Nominal Efficiency   | <b>82.5%</b>                                     | percent                 |
| 10*                             | Total Package Input Power at Zero Flow <sup>e</sup>  | <b>41.8</b>                                      | kW <sup>e</sup>         |
| 11                              | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>    | <b>196.6</b>                                     | kW <sup>d</sup>         |
| 12*                             | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup> | <b>19.32</b>                                     | kW/100 cfm <sup>e</sup> |

\* 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](http://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<br>at specified conditions |                            | Volume Flow Rate <sup>f</sup> | Specific Energy <sup>g</sup><br>Consumption | No Load / Zero<br>Flow Power <sup>e</sup> |
|---|----------------------------|-------------------------------|---|---|
| $\text{m}^3 / \text{min}$                   | $\text{ft}^3 / \text{min}$ | %                             | %   |   |
| 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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