

# COMPRESSOR DATA SHEET



In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors  
Rotary Compressor: Fixed Speed

## MODEL DATA - FOR COMPRESSED AIR

|     |                                                                                           |                         |                         |
|-----|-------------------------------------------------------------------------------------------|-------------------------|-------------------------|
| 1   | Manufacturer: <b>Gardner Denver</b>                                                       |                         |                         |
| 2   | Model Number: <b>L5-7.5hp-145psi-3PH</b>                                                  | Date: <b>12/19/2025</b> |                         |
|     | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled      | Type: <b>Screw</b>      |                         |
|     |                                                                                           | # of Stages: <b>1</b>   |                         |
| 3*  | Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>                            | <b>26.7</b>             | acfm <sup>a, c</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>152</b>              | psig <sup>c</sup>       |
| 6   | Drive Motor Nominal Rating                                                                | <b>7.5</b>              | hp                      |
| 7   | Drive Motor Nominal Efficiency                                                            | <b>89.5</b>             | percent                 |
| 8   | Fan Motor Nominal Rating (if applicable)                                                  | <b>N/A</b>              | hp                      |
| 9   | Fan Motor Nominal Efficiency                                                              | <b>N/A</b>              | percent                 |
| 10* | Total Package Input Power at Zero Flow <sup>c</sup>                                       | <b>2.4</b>              | kW <sup>c</sup>         |
| 11  | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup> | <b>6.89</b>             | kW <sup>d</sup>         |
| 12* | Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>    | <b>25.83</b>            | kW/100 cfm <sup>e</sup> |
| 13  | Isentropic Efficiency                                                                     | <b>62.92</b>            | Percent                 |

\*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](http://www.cagi.org)

### NOTES:

- 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.



Member

| Volume Flow Rate at specified conditions |                       | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power |
|------------------------------------------|-----------------------|------------------|-----------------------------|---------------------------|
| m <sup>3</sup> / min                     | ft <sup>3</sup> / 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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12/19 Rev. This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.

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Configurator: L4-11E