

**COMPRESSOR DATA SHEET**  
**Rotary Compressor: Variable Frequency Drive**  
**MODEL DATA - FOR COMPRESSED AIR**

|    |   |                                |   |
|----|---|--------------------------------|---|
| 1  | Manufacturer: <b>Gardner Denver</b>   |                                |   |
| 2  | Model Number: <b>Ultima U160</b>  | Date:                          | <b>4/1/2019</b>                           |
|    | <input checked="" type="checkbox"/> Air-cooled <input 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 Operating Pressure  | <b>100</b>                     | psig <sup>b</sup>                         |
| 4  | Drive Motor Nominal Rating  | <b>108</b>                     | hp  |
| 5  | Drive Motor Nominal Efficiency  | <b>97</b>                      | percent                                   |
| 6  | Fan Motor Nominal Rating (if applicable)  | <b>0.48</b>                    | hp  |
| 7  | Fan Motor Nominal Efficiency  | <b>63</b>                      | percent                                   |
| 8* | Input Power (kW)  | Capacity (acfm) <sup>a,d</sup> | Specific Power (kW/100 acfm) <sup>d</sup> |
|    | 149.8                      Max  | <b>847.7</b>                   | <b>18.35</b>                              |
|    | 126.5   | <b>725.5</b>                   | <b>17.89</b>                              |
|    | 105.1   | <b>603.3</b>                   | <b>17.78</b>                              |
|    | 85.3  | <b>481.1</b>                   | <b>18.03</b>                              |
|    | 67.2  | <b>358.8</b>                   | <b>18.95</b>                              |
|    | 50.5                      Min   | <b>236.6</b>                   | <b>21.57</b>                              |
| 9* | Total Package Input Power at Zero Flow <sup>c, d</sup>  |                                | <b>8.0</b> kW                             |
| 10 | <p align="center"><b>Note: Graph is only a visual representation of the data in Section 8</b><br/>         Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35<br/>         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](http://www.cagi.org)

NOTES:

- 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.
- The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- 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.
- 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 15     | +/- 7            | +/- 8                       | +/- 10%                   |
| 0.5 to 1.5                               | 15 to 50     | +/- 6            | +/- 7                       |                           |
| 1.5 to 15                                | 50 to 500    | +/- 5            | +/- 6                       |                           |
| Above 15                                 | Above 500    | +/- 4            | +/- 5                       |                           |

Member

