

**COMPRESSOR DATA SHEET**  
**Rotary Compressor: Fixed Speed**

**MODEL DATA - FOR COMPRESSED AIR**

|     |  |                         |                         |
|-----|--|-------------------------|-------------------------|
| 1   | Manufacturer: <b>ELGi</b>  |                         |                         |
| 2   | Model Number: <b>EG 90W-125</b>  | Date: <b>05/15/2018</b> |                         |
|     | <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled         | Type: <b>SCREW</b>      |                         |
|     | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free           | # of Stages: <b>1</b>   |                         |
| 3*  | Rated Capacity at Full Load Operating Pressure <sup>a, e</sup>                               | <b>536</b>              | acfm <sup>a, e</sup>    |
| 4   | Full Load Operating Pressure <sup>b</sup>  | <b>125</b>              | psig <sup>b</sup>       |
| 5   | Maximum Full Flow Operating Pressure <sup>c</sup>  | <b>140</b>              | psig <sup>c</sup>       |
| 6   | Drive Motor Nominal Rating   | <b>125</b>              | hp                      |
| 7   | Drive Motor Nominal Efficiency   | <b>95.4</b>             | percent                 |
| 8   | Fan Motor Nominal Rating (if applicable)   | <b>0.39 X 1</b>         | hp                      |
| 9   | Fan Motor Nominal Efficiency   | <b>NA</b>               | percent                 |
| 10* | Total Package Input Power at Zero Flow <sup>e</sup>  | <b>30.69</b>            | kW <sup>e</sup>         |
| 11  | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>    | <b>105.85</b>           | kW <sup>d</sup>         |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup> | <b>19.75</b>            | kW/100 cfm <sup>e</sup> |

\*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:



| 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                       |                           |

ROT 030  
10/11 R8

This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.