


**Ingersoll Rand**
**COMPRESSOR DATA SHEET**
**Federal Uniform Test Method for Certain Air Compressors Not Applicable**
**Rotary Compressor: Variable Frequency Drive**
**MODEL DATA - FOR COMPRESSED AIR**

|    |                                                                                                                                                                                                                                      |                                |                                           |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------|
| 1  | Manufacturer: <b>Ingersoll Rand</b>                                                                                                                                                                                                  |                                |                                           |
| 2  | Model Number                                                                                                                                                                                                                         | <b>E200n-W155 (NA-IP23)</b>    | Date: <b>June 2023</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* | Full Load Operating Pressure <sup>b</sup>                                                                                                                                                                                            | <b>125</b>                     | psig <sup>b</sup>                         |
| 4  | Drive Motor Nominal Rating                                                                                                                                                                                                           | <b>268</b>                     | hp                                        |
| 5  | Drive Motor Nominal Efficiency                                                                                                                                                                                                       | <b>95.2%</b>                   | percent                                   |
| 6  | Fan Motor Nominal Rating (if applicable)                                                                                                                                                                                             | <b>2.4</b>                     | hp                                        |
| 7  | Fan Motor Nominal Efficiency                                                                                                                                                                                                         | <b>82.5%</b>                   | percent                                   |
| 8* | Input Power (kW)                                                                                                                                                                                                                     | Capacity (acfm) <sup>a,d</sup> | Specific Power (kW/100 acfm) <sup>d</sup> |
|    | <b>217.8</b> Max                                                                                                                                                                                                                     | <b>1121</b>                    | <b>19.42</b>                              |
|    | <b>191.5</b>                                                                                                                                                                                                                         | <b>983</b>                     | <b>19.48</b>                              |
|    | <b>166.7</b>                                                                                                                                                                                                                         | <b>842</b>                     | <b>19.80</b>                              |
|    | <b>143.2</b>                                                                                                                                                                                                                         | <b>699</b>                     | <b>20.50</b>                              |
|    | <b>120.7</b>                                                                                                                                                                                                                         | <b>553</b>                     | <b>21.82</b>                              |
|    | <b>98.9</b> Min                                                                                                                                                                                                                      | <b>406</b>                     | <b>24.38</b>                              |
| 9* | Total Package Input Power at Zero Flow <sup>c,d</sup>                                                                                                                                                                                | <b>0.0</b>                     | kW                                        |
| 10 | <p><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



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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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