



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>E110n-W150 (NA-IP55)</b>                      | Date: <b>May 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>150</b>                                       | psig <sup>b</sup>                         |
| 4  | Drive Motor Nominal Rating                                                                                                                                                                                             | <b>148</b>                                       | hp                                        |
| 5  | Drive Motor Nominal Efficiency                                                                                                                                                                                         | <b>97.0%</b>                                     | percent                                   |
| 6  | Fan Motor Nominal Rating (if applicable)                                                                                                                                                                               | <b>1.2</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>127.3</b> Max                                                                                                                                                                                                       | <b>631</b>                                       | <b>20.18</b>                              |
|    | <b>116.5</b>                                                                                                                                                                                                           | <b>576</b>                                       | <b>20.23</b>                              |
|    | <b>106.5</b>                                                                                                                                                                                                           | <b>523</b>                                       | <b>20.37</b>                              |
|    | <b>96.8</b>                                                                                                                                                                                                            | <b>470</b>                                       | <b>20.62</b>                              |
|    | <b>87.4</b>                                                                                                                                                                                                            | <b>416</b>                                       | <b>21.02</b>                              |
|    | <b>80.6</b> Min                                                                                                                                                                                                        | <b>376</b>                                       | <b>21.44</b>                              |
| 9* | Total Package Input Power at Zero Flow <sup>c, d</sup>                                                                                                                                                                 | <b>0.0</b>                                       | kW                                        |
| 10 | <div><p>Note: Graph is only a visual representation of the data in section 8<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></div> |                                                  |                                           |

\* 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:

- a. 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.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. 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.
- d. 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 <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                        |                           |



Member:

ROT 031.2