



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: Ingersoll Rand | | |
| 2 | Model Number | E160n-A115 (NA-IP55) | Date: June 2023 |
| | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled | | Type: Screw |
| | <input type="checkbox"/> Oil Injected <input checked="" type="checkbox"/> Oil-Free | | # of Stages: 2 |
| 3* | Full Load Operating Pressure ^b | 115 | psig ^b |
| 4 | Drive Motor Nominal Rating | 215 | hp |
| 5 | Drive Motor Nominal Efficiency | 97.0% | percent |
| 6 | Fan Motor Nominal Rating (if applicable) | 10.1 | hp |
| 7 | Fan Motor Nominal Efficiency | 92.1% | percent |
| 8* | Input Power (kW) | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d |
| | 187.0 Max | 941 | 19.87 |
| | 157.4 | 814 | 19.33 |
| | 129.8 | 686 | 18.93 |
| | 103.7 | 552 | 18.78 |
| | 76.1 | 396 | 19.22 |
| | 50.7 Min | 235 | 21.57 |
| 9* | Total Package Input Power at Zero Flow ^{c, d} | 0.0 | kW |
| 10 | <p>Note: Graph is only a visual representation of the data in section 8 Note: Y-axis scale 10 to 35, +5kW/100acfm increments if necessary above 35 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

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 ³ /min | ft ³ /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