



## COMPRESSOR DATA SHEET

## Federal Uniform Test Method for Certain Air Compressors Not Applicable

## Rotary Compressor: Fixed Speed

| MODEL DATA - FOR COMPRESSED AIR |                                                                                              |                   |                         |
|---------------------------------|----------------------------------------------------------------------------------------------|-------------------|-------------------------|
| 1                               | Manufacturer: <b>Ingersoll Rand</b>                                                          |                   |                         |
| 2                               | Model Number                                                                                 | <b>R5.5i-A200</b> | Date: <b>4/8/2020</b>   |
|                                 | <input checked="" type="checkbox"/> Air-cooled <input 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>16.8</b>       | acfm <sup>a, e</sup>    |
| 4                               | Full Load Operating Pressure <sup>b</sup>                                                    | <b>190</b>        | psig <sup>b</sup>       |
| 5                               | Maximum Full Flow Operating Pressure <sup>c</sup>                                            | <b>200</b>        | psig <sup>c</sup>       |
| 6                               | Drive Motor Nominal Rating                                                                   | <b>7.5</b>        | hp                      |
| 7                               | Drive Motor Nominal Efficiency                                                               | <b>89.5</b>       | percent                 |
| 8                               | Fan Motor Nominal Rating (if applicable)                                                     | <b>0.4</b>        | hp                      |
| 9                               | Fan Motor Nominal Efficiency                                                                 | <b>71.0</b>       | percent                 |
| 10*                             | Total Package Input Power at Zero Flow <sup>e</sup>                                          | <b>2.0</b>        | kW <sup>e</sup>         |
| 11                              | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>    | <b>7.3</b>        | kW <sup>d</sup>         |
| 12*                             | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup> | <b>43.68</b>      | kW/100 cfm <sup>e</sup> |

\* For models that are tested in the CAGI Performance Verification Program, these are the items verified by the third party 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 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.

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.



Member

| Volume Flow Rate<br>at specified conditions |                       | Volume Flow Rate | Specific Energy<br>Consumption | No Load / Zero<br>Flow Power |
|---------------------------------------------|-----------------------|------------------|--------------------------------|------------------------------|
| $\text{m}^3 / \text{min}$                   | 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                          |                              |

ROT 030.2

12/19 Rev 3

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