



## COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

| MODEL DATA - FOR COMPRESSED AIR |                                                                                           |              |                         |
|---------------------------------|-------------------------------------------------------------------------------------------|--------------|-------------------------|
| 1                               | Manufacturer: <b>Ingersoll Rand</b>                                                       |              |                         |
| 2                               | Model Number: <b>RS132i-A145</b>                                                          | Date:        | <b>12/4/2024</b>        |
|                                 | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled      | Type:        | <b>Screw</b>            |
|                                 |                                                                                           | # of Stages: | <b>1</b>                |
| 3*                              | Rated Capacity at Full Load Operating Pressure <sup>a, e</sup>                            | <b>794</b>   | acfm <sup>a, e</sup>    |
| 4*                              | Full Load Operating Pressure <sup>b</sup>                                                 | <b>135</b>   | psig <sup>b</sup>       |
| 5                               | Maximum Full Flow Operating Pressure <sup>c</sup>                                         | <b>145</b>   | psig <sup>c</sup>       |
| 6                               | Drive Motor Nominal Rating                                                                | <b>175</b>   | hp                      |
| 7                               | Drive Motor Nominal Efficiency                                                            | <b>96.0%</b> | percent                 |
| 8                               | Fan Motor Nominal Rating (if applicable)                                                  | <b>7.4</b>   | hp                      |
| 9                               | Fan Motor Nominal Efficiency                                                              | <b>91.0%</b> | percent                 |
| 10*                             | Total Package Input Power at Zero Flow <sup>e</sup>                                       | <b>38.8</b>  | kW <sup>e</sup>         |
| 11                              | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup> | <b>152.4</b> | kW <sup>d</sup>         |
| 12*                             | Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>    | <b>19.2</b>  | kW/100 cfm <sup>e</sup> |
| 13                              | Isentropic Efficiency                                                                     | <b>81.5</b>  | Percent                 |

\* 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.

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

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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.

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