



## 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>Kaishan Compressor USA</b>                    |               |                         |                 |
| 2   | Model Number:                                                                                | <b>KROF-400-100</b>                              |               | Date:                   | <b>6/5/2026</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*  | Rated Capacity at Full Load Operating Pressure <sup>a, c</sup>                               |                                                  | <b>1689.0</b> | acfm <sup>a, c</sup>    |                 |
| 4   | Full Load Operating Pressure <sup>b</sup>                                                    |                                                  | <b>100</b>    | psig <sup>b</sup>       |                 |
| 5   | Maximum Full Flow Operating Pressure <sup>c</sup>                                            |                                                  | <b>105</b>    | psig <sup>c</sup>       |                 |
| 6   | Drive Motor Nominal Rating                                                                   |                                                  | <b>400</b>    | hp                      |                 |
| 7   | Drive Motor Nominal Efficiency                                                               |                                                  | <b>96.2</b>   | percent                 |                 |
| 8   | Fan Motor Nominal Rating (if applicable)                                                     |                                                  | <b>0.75</b>   | hp                      |                 |
| 9   | Fan Motor Nominal Efficiency                                                                 |                                                  | <b>69.5</b>   | percent                 |                 |
| 10* | Total Package Input Power at Zero Flow <sup>c</sup>                                          |                                                  | <b>36.4</b>   | kW <sup>c</sup>         |                 |
| 11  | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>    |                                                  | <b>303.40</b> | kW <sup>d</sup>         |                 |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup> |                                                  | <b>17.96</b>  | kW/100 cfm <sup>c</sup> |                 |
| 13  | Isentropic Efficiency                                                                        |                                                  | <b>73.98</b>  | Percent                 |                 |

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party 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 C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- c. 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.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. 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 Flow<br>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                          |                              |

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