



## COMPRESSOR DATA SHEET

### Portable Rotary Compressor

#### MODEL DATA - FOR COMPRESSED AIR

|   |                                                                                    |                                   |                  |
|---|------------------------------------------------------------------------------------|-----------------------------------|------------------|
| 1 | Manufacturer: <b>Kaeser Compressors, Inc.</b>                                      |                                   |                  |
| 2 | Model Number: <b>M171 / 200 psi</b>                                                | Date: <b>1/29/2024</b>            |                  |
|   | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free | Fuel Type: <b>Diesel</b>          |                  |
|   |                                                                                    | # of compression Stages: <b>1</b> |                  |
| 3 | Rated Capacity at Full Load Operating Pressure <sup>a, d</sup>                     | <b>550</b>                        | acfm             |
| 4 | Nominal Engine speed (reference only)                                              | <b>2000</b>                       | rpm              |
| 5 | Full Load Operating Pressure <sup>b</sup>                                          | <b>145</b>                        | psig             |
| 6 | Maximum Full Flow Operating Pressure <sup>c</sup>                                  | <b>145</b>                        | psig             |
| 7 | Engine Nominal HP Rating                                                           | <b>173</b>                        | hp               |
| 8 | Engine Mfg. / Emission Compliance Level                                            | <b>Deutz</b>                      | Tier 4           |
| 9 | Fuel Consumption at Full Load <sup>e</sup>                                         | <b>8.1</b>                        | gallons per hour |

Consult CAGI website for a list of Portable Section Members:

[www.cagi.org](http://www.cagi.org)

#### NOTES:

- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex D; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (Item 3) was 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.
- Tolerance is specified in ISO 1217, Annex D, as shown in table below:
- Read from control panel.

Member



| Volume Flow Rate<br>at specified conditions |                            | Volume Flow Rate | Specified Fuel Consumption |
|---------------------------------------------|----------------------------|------------------|----------------------------|
| $\text{m}^3 / \text{min}$                   | $\text{ft}^3 / \text{min}$ | %                | %                          |
| Below 0.5                                   | Below 17.6                 | +/- 7            | +/- 8                      |
| 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                      |

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