

COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

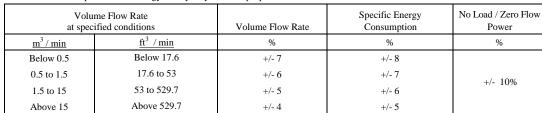
Rotary Compressor: Fixed Speed

| MODEL DATA - FOR COMPRESSED AIR | | | |
|--|---|--------------|-------------------------|
| 1 Manufacturer: Kaishan Compressor USA | | | |
| | Model Number: KRSP2-450-150 | Date: | 7/12/2021 |
| 2 | Air-cooled X Water-cooled | Type: | Screw |
| | X Oil-injected Oil-free | # of Stages: | 2 |
| | Rated Capacity at Full Load Operating Pressure | | |
| 3* | a, e | 2158.0 | acfm ^{a,e} |
| 4 | Full Load Operating Pressure b | 150 | psig |
| 5 | Maximum Full Flow Operating Pressure c | 150 | psig ^c |
| 6 | Drive Motor Nominal Rating | 450 | hp |
| 7 | Drive Motor Nominal Efficiency | 96.2 | percent |
| 8 | Fan Motor Nominal Rating (if applicable) | 1 | hp |
| 9 | Fan Motor Nominal Efficiency | 83.5 | percent |
| 10* | Total Package Input Power at Zero Flow ^e | 76.8 | kW ^e |
| 11 | Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d | 379.00 | kW^d |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e | 17.56 | kW/100 cfm ^e |
| 13 | Isentropic Efficiency | 94.18 | Percent |

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

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.

^{*}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