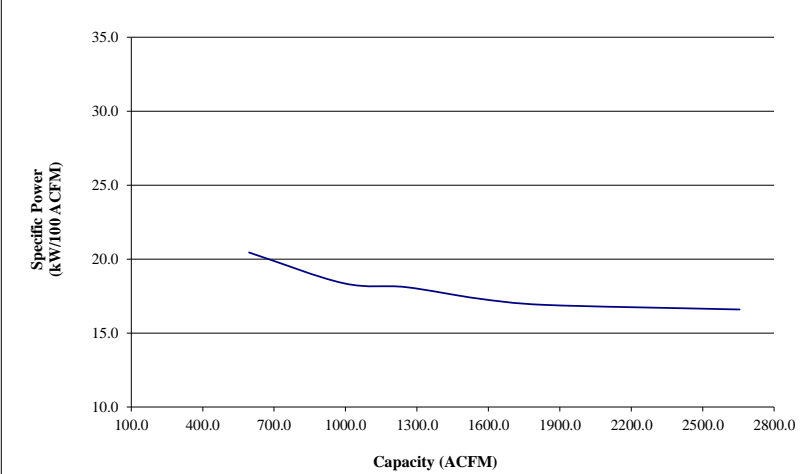


COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

| | | | |
|----|--|--------------------------------|---|
| 1 | Manufacturer: Kaishan Compressor USA | | |
| 2 | Model Number: KRSP2-500-VSD | Date: | 3/25/2020 |
| | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled | Type: | Screw |
| | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free | # of Stages: | 2 |
| 3 | Rated Operating Pressure | 125 | psig ^b |
| 4 | Drive Motor Nominal Rating | 500 | hp |
| 5 | Drive Motor Nominal Efficiency | 96.2 | percent |
| 6 | Fan Motor Nominal Rating (if applicable) | 20 | hp |
| 7 | Fan Motor Nominal Efficiency | 89.5 | percent |
| 8* | Input Power (kW) | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d |
| | 440.6 Max | 2655.3 | 16.6 |
| | 310.2 | 1834.8 | 16.9 |
| | 270.1 | 1558.7 | 17.3 |
| | 226.9 | 1253.3 | 18.1 |
| | 182.0 | 990.4 | 18.4 |
| | 121.6 Min | 594.8 | 20.4 |
| 9* | Total Package Input Power at Zero Flow ^{c, d} | 0.0 | kW |
| 10 |  <p style="text-align: center; font-size: small;"> Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity </p> | | |

*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
- d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

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

| Volume Flow Rate at specified conditions | | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power |
|--|--------------------|------------------|-----------------------------|---------------------------|
| $\frac{m^3}{min}$ | $\frac{ft^3}{min}$ | % | % | |
| Below 0.5 | Below 15 | +/- 7 | +/- 8 | +/- 10% |
| 0.5 to 1.5 | 15 to 50 | +/- 6 | +/- 7 | |
| 1.5 to 15 | 50 to 500 | +/- 5 | +/- 6 | |
| Above 15 | Above 500 | +/- 4 | +/- 5 | |

Member



ROT 031