|                                 | Rotary Compressor: Fix  | red Speed    |                         |  |  |  |
|---------------------------------|---|--------------|-------------------------|--|--|--|
| MODEL DATA - FOR COMPRESSED AIR |   |              |                         |  |  |  |
| 1                               | Manufacturer: Kaishan Compressor USA  |              |                         |  |  |  |
|                                 | Model Number: KRSP2-350-100   | Date:        | 7/12/2021               |  |  |  |
| 2                               | X Air-cooled Water-cooled   | Туре:        | Screw                   |  |  |  |
|                                 | X Oil-injected Oil-free   | # of Stages: | 2                       |  |  |  |
|                                 | Rated Capacity at Full Load Operating Pressure  |              |                         |  |  |  |
| 3*                              | a, e  | 2092.0       | acfm <sup>a,e</sup>     |  |  |  |
| 4                               | Full Load Operating Pressure b  | 100          | psig <sup>b</sup>       |  |  |  |
| 5                               | Maximum Full Flow Operating Pressure <sup>c</sup>   | 100          | psig <sup>c</sup>       |  |  |  |
| 6                               | Drive Motor Nominal Rating  | 350          | hp                      |  |  |  |
| 7                               | Drive Motor Nominal Efficiency  | 96.2         | percent                 |  |  |  |
| 8                               | Fan Motor Nominal Rating (if applicable)  | 15.0 & 4.0   | hp                      |  |  |  |
| 9                               | Fan Motor Nominal Efficiency  | 91.7 & 89.5  | percent                 |  |  |  |
| 10*                             | Total Package Input Power at Zero Flow <sup>e</sup>   | 64.5         | kW <sup>e</sup>         |  |  |  |
| 11                              | Total Package Input Power at Rated Capacity<br>and Full Load Operating Pressure <sup>d</sup>    | 310.60       | $kW^d$                  |  |  |  |
| 12*                             | Specific Package Input Power at Rated Capacity<br>and Full Load Operating Pressure <sup>e</sup> | 14.85        | kW/100 cfm <sup>e</sup> |  |  |  |
| 13                              | Isentropic Efficiency   | 89.51        | Percent                 |  |  |  |

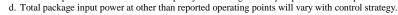
Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

a. Measured at the discharge terminal point of the compressor package in accordance with

ISO 1217, Annex 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.



e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:



Member

ROT 030.2

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

|                          | ne Flow Rate<br>fied conditions | Volume Flow Rate | Specific Energy<br>Consumption | No Load / Zero Flov<br>Power |  |
|--------------------------|---------------------------------|------------------|--------------------------------|------------------------------|--|
| $\underline{m^3 / \min}$ | <u>ft<sup>3</sup> / min</u>     | %                | %                              | %                            |  |
| Below 0.5                | Below 17.6                      | +/- 7            | +/- 8                          |                              |  |
| 0.5 to 1.5               | 17.6 to 53                      | +/- 6            | +/- 7                          | +/- 10%                      |  |
| 1.5 to 15                | 53 to 529.7                     | +/- 5            | +/- 6                          | +/- 10%                      |  |
| Above 15                 | Above 529.7                     | +/- 4            | +/- 5                          |                              |  |

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.