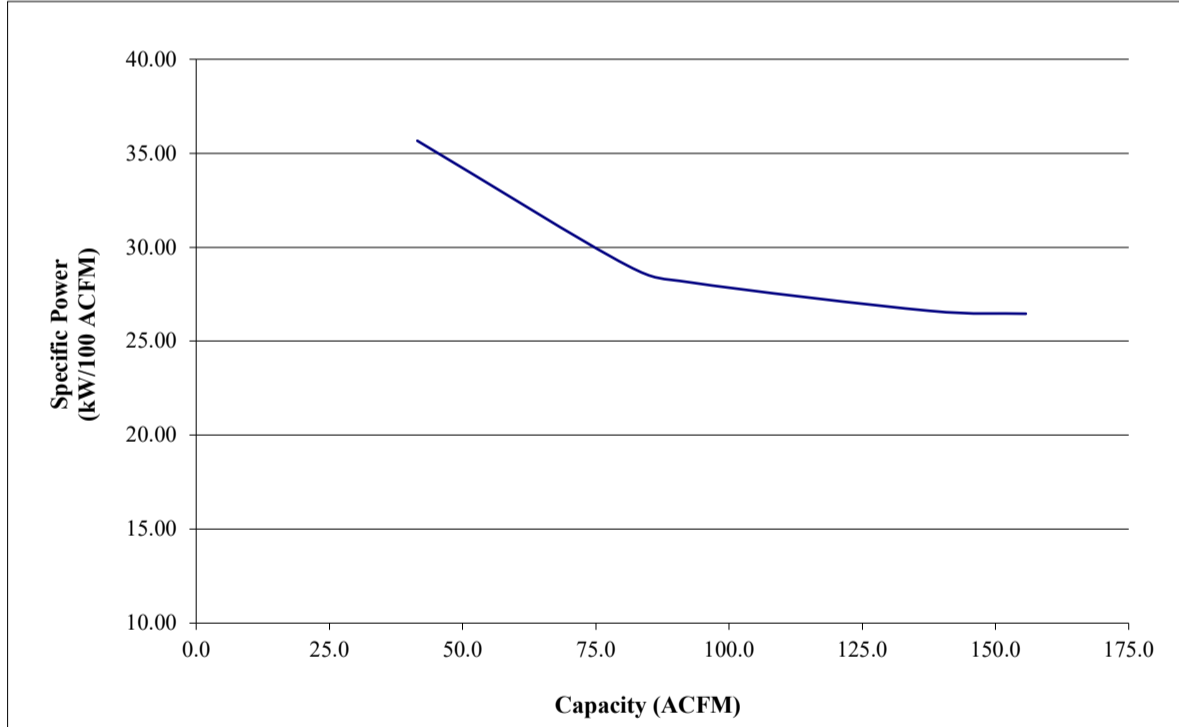


**Rotary Compressor: Variable Frequency Drive**

| MODEL DATA - FOR COMPRESSED AIR |   |                                |   |
|---------------------------------|---|--------------------------------|---|
| 1                               | Manufacturer: <b>Chicago Pneumatic</b>  |                                |   |
| 2                               | Model Number: <b>CPVSD 50</b>   | Date: <b>Jan-19</b>            |   |
|                                 | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled  | Type: <b>Screw</b>             |   |
|                                 | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free  | # of Stages: <b>1</b>          |   |
| 3                               | Rated Operating Pressure  | <b>180</b>                     | psig <sup>b</sup>                         |
| 4                               | Drive Motor Nominal Rating  | <b>50</b>                      | hp  |
| 5                               | Drive Motor Nominal Efficiency  | <b>92.4</b>                    | percent                                   |
| 6                               | Fan Motor Nominal Rating (if applicable)  | <b>1.48</b>                    | hp  |
| 7                               | Fan Motor Nominal Efficiency  | <b>84</b>                      | percent                                   |
| 8*                              | Input Power (kW)  | Capacity (acfm) <sup>a,d</sup> | Specific Power (kW/100 acfm) <sup>d</sup> |
|                                 | 41.2 Max  | <b>155.7</b>                   | <b>26.46</b>                              |
|                                 | 36.6  | <b>137.5</b>                   | <b>26.62</b>                              |
|                                 | 26.1  | <b>92.8</b>                    | <b>28.13</b>                              |
|                                 | 23.5  | <b>81.0</b>                    | <b>29.01</b>                              |
|                                 | 14.8 Min  | <b>41.5</b>                    | <b>35.66</b>                              |
| 9*                              | Total Package Input Power at Zero Flow <sup>c, d</sup>  |                                | <b>0.0</b> kW                             |
| 10                              |  <p style="text-align: center;"> <b>Note: Graph is only a visual representation of the data in Section 8</b><br/>           Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35<br/>           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](http://www.cagi.org)

NOTES:

- 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.
- The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- 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.
- 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 |
|--|-----------------------------|------------------|-----------------------------|---------------------------|
| <u>m<sup>3</sup> / min</u>               | <u>ft<sup>3</sup> / min</u> | %                | %                           |                           |
| 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                       |                           |