


## COMPRESSOR DATA SHEET

### Portable Rotary Compressor

#### MODEL DATA - FOR COMPRESSED AIR

|   |  |   |                  |
|---|--|---|------------------|
| 1 | Manufacturer: <b>SULLIVAN-PALATEK</b>  |  |                  |
| 2 | Model Number: <b>D185PKR</b>   | Date:   | <b>12/4/2023</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>185</b>  | acfm             |
| 4 | Nominal Engine speed (reference only)  | <b>2400</b>   | rpm              |
| 5 | Full Load Operating Pressure <sup>b</sup>  | <b>100</b>  | psig             |
| 6 | Maximum Full Flow Operating Pressure <sup>c</sup>                                  | <b>100</b>  | psig             |
| 7 | Engine Nominal HP Rating   | <b>49</b>   | hp               |
| 8 | Engine Mfg. / Emission Compliance Level  | <b>KOHLER</b>   | Tier 4           |
| 9 | Fuel Consumption at Full Load <sup>e</sup>   | <b>2.8</b>  | gallons per hour |

Consult CAGI website for a list of Portable Section Members:

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

NOTES:

- a. 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.
- b. The operating pressure at which the Capacity (Item 3) was 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. Tolerance is specified in ISO 1217, Annex D, as shown in table below:
- e. Read from control panel.

Member



| Volume Flow Rate at specified conditions |                       | Volume Flow Rate | Specified Fuel Consumption |
|--|-----------------------|------------------|----------------------------|
| m <sup>3</sup> / min                     | ft <sup>3</sup> / 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.