

COMPRESSOR DATA SHEET

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors Rotary Compressor: Variable Frequency Drive

| | MODEL DATA - FOR | 1 V | | | |
|----|--|---|---|--|--|
| 1 | Manufacturer: Hertz Kompress | oren | | | |
| 2 | Model Number: HVD 90 | Date: | 05.07.21 | | |
| | X Air-cooled Water-cooled | f Type: | Screw | | |
| | X Oil-injected Oil-free | # of Stages: | 1 | | |
| 3 | Rated Operating Pressure | 125 | $psig^b$ | | |
| 4 | Drive Motor Nominal Rating | 125 | hp | | |
| 5 | Drive Motor Nominal Efficiency | 96,1 | percent | | |
| 6 | Fan Motor Nominal Rating (if applicable) | 3,82 | hp | | |
| 7 | Fan Motor Nominal Efficiency | 55,7 | percent | | |
| | Input Power (kW) | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d | | |
| | 113,0 | Max 568,6 | 19,87 | | |
| 0* | 103,9 | 517,6 | 20,07 | | |
| 8* | 89,0 | 441,8 | 20,14 | | |
| | 74,1 | 365,9 | 20,25 | | |
| | 61,5 | 295,1 | 20,84 | | |
| | 55,9 | Min 266,5 | 20,98 | | |
| 9* | Total Package Input Power at Zero Flow ^{c, d} | 19,1 | kW | | |
| 10 | Isentropic Efficiency | 75,6 | Percent | | |
| 11 | 30,00 | | | | |
| | 25,00 | | | | |
| | Specific Power (kW/100 ACFM) | | | | |
| | 15,00 | | | | |
| | 10,00 0 100 200 | 300 400 500 | 600 700 | | |
| | Capacity (ACFM) | | | | |
| | Note: Y-Axis Scale, 10 to 35, + 5kW | presentation of the data in Section 8 /100acfm increments if necessary above 3 5% over maximum capacity | 5 | | |

*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: 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 (Item 8) and Electrical Consumption (Item 8) 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.

Member

Compressed Air & Gas Institute

| Volume Flow Rate | | | Specific Energy | |
|-------------------------|-----------------------|------------------|-----------------|---------------------------|
| at specified conditions | | Volume Flow Rate | Consumption | No Load / Zero Flow Power |
| m³/min | ft ³ / min | % | % | % |
| 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 | |
| Above 15 | Above 529.7 | +/- 4 | +/- 5 | |

ROT 031.1 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