

COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

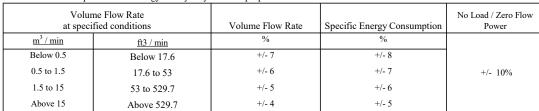
Rotary Compressor: Fixed Speed

| MODEL DATA - FOR COMPRESSED AIR | | | |
|---------------------------------|---|--------------|-------------------------|
| 1 | Manufacturer: Hertz Kompressoren | | |
| | Model Number: IMPETUS 90 | Date: | 09.16.22 |
| 2 | X Air-cooled Water-cooled | Type: | Screw |
| | X Oil-injected Oil-free | # of Stages: | 2 |
| | Rated Capacity at Full Load Operating | | |
| 3* | Pressure a, e | 627,6 | acfm ^{a,e} |
| 4 | Full Load Operating Pressure b | 125 | b psig |
| 5 | Maximum Full Flow Operating Pressure c | 125 | psig c |
| 6 | Drive Motor Nominal Rating | 125 | hp |
| 7 | Drive Motor Nominal Efficiency | 96,5 | percent |
| 8 | Fan Motor Nominal Rating (if applicable) | 3 / 2 | hp |
| 9 | Fan Motor Nominal Efficiency | 84 / 83 | percent |
| 10* | Total Package Input Power at Zero Flow | 41,7 | kW ^e |
| 11 | Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d | 114,6 | kW^d |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure | 18,26 | kW/100 cfm ^e |
| 13 | Isentropic Efficiency | 82,3 | Percent |

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.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

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





Member

ROT 030.1

2/19 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.

^{*}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: www.cagi.org