

**COMPRESSOR DATA SHEET**

**Federal Uniform Test Method for Certain Air Compressors Not Applicable**

**Rotary Compressor: Variable Frequency Drive**

**MODEL DATA - FOR COMPRESSED AIR**

|    |  |                        |                                  |
|----|--|------------------------|----------------------------------|
| 1  | Manufacturer: Atlas Copco  |                        |                                  |
| 2  | Model Number: ZT 145 VSD+  | Date: 06-23-2021       |                                  |
|    | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled | Type: Screw            |                                  |
|    | <input type="checkbox"/> Lubricated <input checked="" type="checkbox"/> Oil-free     | # of Stages: 2         |                                  |
| 3  | Full Load Operating Pressure*(b)   | 125.0                  | psig*(b)                         |
| 4  | Drive Motor Nominal Rating   | 100.6 & 100.6          | hp                               |
| 5  | Drive Motor Nominal Efficiency   | 97.0 & 97.0            | percent                          |
| 6  | Fan Motor Nominal Rating (if applicable)   | 11.8                   | hp                               |
| 7  | Fan Motor Nominal Efficiency   | 69.9                   | percent                          |
| 8* | Input Power (kW)   | Capacity (acfm) *(a,d) | Specific Power (kW/100 acfm)*(d) |
|    | 159.9      Max   | 811.4                  | 19.7                             |
|    | 125.1  | 649.8                  | 19.3                             |
|    | 94.8   | 488.2                  | 19.4                             |
|    | 67.2   | 326.5                  | 20.6                             |
|    | 40.6      Min  | 164.9                  | 24.6                             |
| 9* | Total Package Input Power at Zero Flow*(c,d)   | 0.0                    | kW                               |
| 10 |  |                        |                                  |

\*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.

Member



| Volume Flow Rate at specified conditions |                       | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power |
|--|-----------------------|------------------|-----------------------------|---------------------------|
| m <sup>3</sup> / min                     | ft <sup>3</sup> / min | %                | %                           |                           |
| 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                       |                           |