

# COMPRESSOR DATA SHEET

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

### Rotary Compressor: Fixed Speed

#### MODEL DATA - FOR COMPRESSED AIR

|     |  |                  |                |
|-----|--|------------------|----------------|
| 1   | Manufacturer: Atlas Copco  |                  |                |
| 2   | Model Number: ZT 250-10.4  | Date: 08-11-2021 |                |
|     | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled | Type: Screw      |                |
|     | <input type="checkbox"/> Oil-injected <input checked="" type="checkbox"/> Oil-free   | # of Stages: 2   |                |
| 3*  | Rated Capacity at Full Load Operating Pressure*(a,e)                                 | 1,158.6          | (acfm) *(a,e)  |
| 4   | Full Load Operating Pressure*(b)   | 150.0            | psig*(b)       |
| 5   | Maximum Full Flow Operating Pressure*(c)   | 150.8            | psig*(c)       |
| 6   | Drive Motor Nominal Rating   | 0.1              | hp             |
| 7   | Drive Motor Nominal Efficiency   | 6,900.0          | percent        |
| 8   | Fan Motor Nominal Rating (if applicable)   | 10.7             | hp             |
| 9   | Fan Motor Nominal Efficiency   | 81.3             | percent        |
| 10* | Total Package Input Power at Zero Flow*(e)   | 45.6             | kW*(e)         |
| 11  | Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d)     | 248.0            | kW*(d)         |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e)  | 21.4             | kW/100 cfm*(e) |

\*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 C; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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.
- Total package input power at other than reported operating points will vary with control strategy.
- 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<br>at specified conditions |                             | Volume Flow Rate | Specific Energy<br>Consumption | No Load / Zero<br>Flow Power |
|---|-----------------------------|------------------|--------------------------------|------------------------------|
| <u>m<sup>3</sup> / min</u>                  | <u>ft<sup>3</sup> / min</u> | %                | %                              | +/- 10                       |
| Below 0.5                                   | Below 15                    | +/- 7            | +/- 8                          |                              |
| 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                          |                              |

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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.