

**COMPRESSOR DATA SHEET**

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

**Rotary Compressor: Fixed Speed**

| <b>MODEL DATA - FOR COMPRESSED AIR</b> |  |              |                |
|--|--|--------------|----------------|
| 1                                      | Manufacturer: Atlas Copco  |              |                |
| 2                                      | Model Number: ZT 160 STD-8.6   | Date:        | 07-01-2020     |
|  | <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)                                 | 893.5        | (acfm) *(a,e)  |
| 4                                      | Full Load Operating Pressure*(b)   | 105.0        | psig*(b)       |
| 5                                      | Maximum Full Flow Operating Pressure*(c)   | 124.7        | psig*(c)       |
| 6                                      | Drive Motor Nominal Rating   | 220.0        | hp             |
| 7                                      | Drive Motor Nominal Efficiency   | 95.8         | percent        |
| 8                                      | Fan Motor Nominal Rating (if applicable)   | 8.0          | hp             |
| 9                                      | Fan Motor Nominal Efficiency   | 87.6         | percent        |
| 10*                                    | Total Package Input Power at Zero Flow*(e)   | 47.0         | kW*(e)         |
| 11                                     | Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d)     | 169.7        | kW*(d)         |
| 12*                                    | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e)  | 19.0         | 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:

Member



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

| Volume Flow Rate at specified conditions |                  | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power |
|--|------------------|------------------|-----------------------------|---------------------------|
| <u>m3 / min</u>                          | <u>ft3 / 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.