

**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:  | ZR 45-8.6    | Date: 01-05-2024 |
|  | <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled |              | Type: Tooth      |
|  | <input type="checkbox"/> Oil-injected <input checked="" type="checkbox"/> Oil-free   | # of Stages: | 2                |
| 3*                                     | Rated Capacity at Full Load Operating Pressure*(a,e)                                 | 234.1        | (acfm) *(a,e)    |
| 4                                      | Full Load Operating Pressure*(b)   | 124.7        | psig*(b)         |
| 5                                      | Maximum Full Flow Operating Pressure*(c)   | 124.7        | psig*(c)         |
| 6                                      | Drive Motor Nominal Rating   | 60.3         | hp               |
| 7                                      | Drive Motor Nominal Efficiency   | 94.5         | percent          |
| 8                                      | Fan Motor Nominal Rating (if applicable)   | --           | hp               |
| 9                                      | Fan Motor Nominal Efficiency   | --           | percent          |
| 10*                                    | Total Package Input Power at Zero Flow*(e)   | 11.0         | kW*(e)           |
| 11                                     | Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d)     | 50.7         | kW*(d)           |
| 12*                                    | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e)  | 21.7         | 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 at specified conditions |                             | Volume Flow Rate | Specific Energy Consumption | No Load / Zero 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.