

## 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: Atlas Copco                                                            |            |                |            |
| 2   | Model Number:                                                                        | GA 132-8.6 | Date:          | 05-16-2024 |
|     | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled |            | Type:          | Screw      |
|     |                                                                                      |            | # of Stages:   | 1          |
| 3*  | Rated Capacity at Full Load Operating Pressure*(a,e)                                 | 828.5      | (acfm) *(a,e)  |            |
| 4*  | Full Load Operating Pressure*(b)                                                     | 125.0      | psig*(b)       |            |
| 5   | Maximum Full Flow Operating Pressure*(c)                                             | 132.0      | psig*(c)       |            |
| 6   | Drive Motor Nominal Rating                                                           | 177.0      | hp             |            |
| 7   | Drive Motor Nominal Efficiency                                                       | 95.8       | percent        |            |
| 8   | Fan Motor Nominal Rating (if applicable)                                             | 5.9        | hp             |            |
| 9   | Fan Motor Nominal Efficiency                                                         | 83.0       | percent        |            |
| 10* | Total Package Input Power at Zero Flow*(e)                                           | 31.4       | kW*(e)         |            |
| 11  | Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d)     | 146.5      | kW*(d)         |            |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e)  | 17.7       | kW/100 cfm*(e) |            |
| 13  | Isentropic Efficiency                                                                | 85.0       | Percent        |            |

\*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:
- 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.
  - Member
  - b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
  - c. 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.
  - d. Total package input power at other than reported operating points will vary with control strategy.
  - e. 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.



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

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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.