

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: G110 W-8.5 | Date: 05-15-2024 | |
| | <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled | Type: Screw | |
| | | # of Stages: 1 | |
| 3* | Rated Capacity at Full Load Operating Pressure*(a,e) | 660.6 | (acfm) *(a,e) |
| 4* | Full Load Operating Pressure*(b) | 123.0 | psig*(b) |
| 5 | Maximum Full Flow Operating Pressure*(c) | 123.3 | psig*(c) |
| 6 | Drive Motor Nominal Rating | 147.5 | hp |
| 7 | Drive Motor Nominal Efficiency | 95.0 | percent |
| 8 | Fan Motor Nominal Rating (if applicable) | 1.0 | hp |
| 9 | Fan Motor Nominal Efficiency | 40.6 | percent |
| 10* | Total Package Input Power at Zero Flow*(e) | 30.1 | kW*(e) |
| 11 | Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d) | 124.1 | kW*(d) |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e) | 18.8 | kW/100 cfm*(e) |
| 13 | Isentropic Efficiency | 79.5 | 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

- 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 at specified conditions | | Volume Flow Rate | Specific Energy Consumption | No Load / Zero Flow Power |
|--|-----------------------------|------------------|-----------------------------|---------------------------|
| <u>m³ / min</u> | <u>ft³ / min</u> | % | % | |
| Below 0.5 | Below 15 | +/- 7 | +/- 8 | +/- 10 |
| 0.5 to 1.5 | | +/- 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.