

## COMPRESSOR DATA SHEET

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

**Rotary Compressor: Variable Frequency Drive**

**MODEL DATA - FOR COMPRESSED AIR**

|    |  |                        |                                  |
|----|--|------------------------|----------------------------------|
| 1  | Manufacturer: Atlas Copco  |                        |                                  |
| 2  | Model Number: GA 250 VSD+-10.4   | Date: 03-10-2022       |                                  |
|    | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled | Type: Screw            |                                  |
|    | <input checked="" type="checkbox"/> Lubricated <input type="checkbox"/> Oil-free     | # of Stages: 1         |                                  |
| 3  | Full Load Operating Pressure*(b)   | 150.0                  | psig*(b)                         |
| 4  | Drive Motor Nominal Rating   | 177.0 & 177.0          | hp                               |
| 5  | Drive Motor Nominal Efficiency   | 96.3 & 96.3            | percent                          |
| 6  | Fan Motor Nominal Rating (if applicable)   | 4.0 & 4.0 & 4.0        | hp                               |
| 7  | Fan Motor Nominal Efficiency   | 83.0 & 83.0 & 83.0     | percent                          |
| 8* | Input Power (kW)   | Capacity (acfm) *(a,d) | Specific Power (kW/100 acfm)*(d) |
|    | 314.7      Max   | 1,591.1                | 19.8                             |
|    | 255.7  | 1,291.6                | 19.8                             |
|    | 199.6  | 992.1                  | 20.1                             |
|    | 145.2  | 692.6                  | 21.0                             |
|    | 92.1      Min  | 393.2                  | 23.4                             |
| 9* | Total Package Input Power at Zero Flow*(c,d)   |                        | 0.1      kW                      |
| 10 |  |                        |                                  |

\*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 E; acfm is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity and Electrical Consumption 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. 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 |
|--|-----------------------|------------------|-----------------------------|---------------------------|
| m <sup>3</sup> / min                     | ft <sup>3</sup> / min | %                | %                           |                           |
| 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                       |                           |

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|          |           |       |       |  |
|----------|-----------|-------|-------|--|
| Above 15 | Above 500 | +/- 4 | +/- 5 |  |
|----------|-----------|-------|-------|--|

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.