

## **COMPRESSOR DATA SHEET**

## In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

**Rotary Compressor: Fixed Speed** 

| MODEL DATA - FOR COMPRESSED AIR (Preliminary Data) |  |                |              |                         |
|--|--|----------------|--------------|-------------------------|
| 1  | Manufacturer:  | Atlas Copco    |              |                         |
|  | Model Number:  | GA55+-100 WC   | Date:        | 2/21/2024               |
| 2  | Air-cooled   | X Water-cooled | Type:        | Screw                   |
|  |  |                | # of Stages: | 1                       |
| 3*   | Rated Capacity at Full Load Operating Pressure a, e  |                | 408.8        | acfm <sup>a,e</sup>     |
| 4  | Full Load Operating Pressure b   |                | 100          | psig                    |
| 5  | Maximum Full Flow Operating Pressure <sup>c</sup>  |                | 107          | psig                    |
| 6  | Drive Motor Nominal Rating   |                | 75           | hp                      |
| 7  | Drive Motor Nominal Efficiency   |                | 94.5         | percent                 |
| 8  | Fan Motor Nominal Rating (if applicable)   |                | N/A          | hp                      |
| 9  | Fan Motor Nominal Efficiency   |                | NA           | percent                 |
| 10*  | Total Package Input Power at Zero Flow <sup>e</sup>  |                | 12           | kW <sup>e</sup>         |
| 11   | Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>    |                | 65.5         | $kW^d$                  |
| 12*  | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup> |                | 16.0         | kW/100 cfm <sup>e</sup> |
| 13   | Isentropic Efficiency  |                | 82.94        | Percent                 |

<sup>\*</sup>For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI websitefor a list of participants in the third party verification program:

www.cagi.org

NOTES:

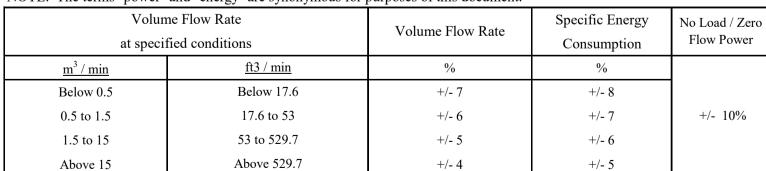
- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.

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- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

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



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This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.