

## 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:   | GR 200 W-20                                      | Date:          | 06-29-2020 |
|     | <input type="checkbox"/> Air-cooled   | <input checked="" type="checkbox"/> Water-cooled | Type:          | Screw      |
|     |   |  | # of Stages:   | 2          |
| 3*  | Rated Capacity at Full Load Operating Pressure*(a,e)                                | 824.4  | (acfm) *(a,e)  |            |
| 4*  | Full Load Operating Pressure*(b)  | 200.0  | psig*(b)       |            |
| 5   | Maximum Full Flow Operating Pressure*(c)  | 290.1  | psig*(c)       |            |
| 6   | Drive Motor Nominal Rating  | 250.0  | hp             |            |
| 7   | Drive Motor Nominal Efficiency  | 96.2   | percent        |            |
| 8   | Fan Motor Nominal Rating (if applicable)  | 0.5  | hp             |            |
| 9   | Fan Motor Nominal Efficiency  | 30.0   | percent        |            |
| 10* | Total Package Input Power at Zero Flow*(e)  | 28.0   | kW*(e)         |            |
| 11  | Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d)    | 191.6  | kW*(d)         |            |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e) | 23.2   | kW/100 cfm*(e) |            |
| 13  | Isentropic Efficiency   | 82.3   | 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.
  - 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>m<sup>3</sup> / min</u>                  | <u>ft<sup>3</sup> / 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                          |                              |

ROT 030.1

12/19 Rev 3

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.