

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 | | |
| | Model Number: | GA22-100 | Date: | 6/29/2020 |
| 2 | X Air-cooled | Water-cooled | Type: | Screw |
| | | | # of Stages: | 1 |
| 3* | Rated Capacity at Full Load Operating Pressure a, e | | 142 | acfm ^{a,e} |
| 4 | Full Load Operating Pressure ^b | | 100 | psig b |
| 5 | Maximum Full Flow Operating Pressure ^c | | 107 | psig |
| 6 | Drive Motor Nominal Rating | | 30 | hp |
| 7 | Drive Motor Nominal Efficiency | | 91.7 | percent |
| 8 | Fan Motor Nominal Rating (if applicable) | | 0.4 | hp |
| 9 | Fan Motor Nominal Efficiency | | 77.0 | percent |
| 10* | Total Package Input Power at Zero Flow ^e | | 7.4 | kW ^e |
| 11 | Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d | | 27.2 | kW^d |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e | | 19.2 | kW/100 cfm ^e |
| 13 | Isentropic Efficiency | | 69.38 | Percent |

NOTES:

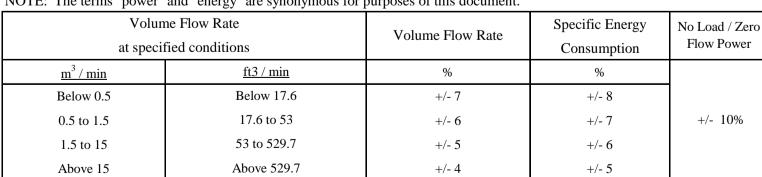
- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.

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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.

^{*}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