

COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

| | | | | |
|----|--|-------------------------|--------------------------------|---|
| 1 | Manufacturer: Atlas Copco | | | |
| 2 | Model Number: GA 110 VSD-150 | Date: 04-01-2015 | | |
| | <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled | Type: Screw | | |
| | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free | # of Stages: 1 | | |
| 3 | Rated Operating Pressure | 150 | psig ^b | |
| 4 | Drive Motor Nominal Rating | 150 | hp | |
| 5 | Drive Motor Nominal Efficiency | 94.9 | percent | |
| 6 | Fan Motor Nominal Rating (if applicable) | 3.0 | hp | |
| 7 | Fan Motor Nominal Efficiency | 80.0 | percent | |
| 8* | Input Power (kW) | | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d |
| | 144.3 | Max | 673.0 | 21.44 |
| | 139.0 | | 645.0 | 21.55 |
| | 124.2 | | 568.0 | 21.87 |
| | 109.8 | | 489.0 | 22.45 |
| | 95.6 | | 410.0 | 23.32 |
| | 67.7 | Min | 251.0 | 26.97 |
| 9* | Total Package Input Power at Zero Flow ^{c,d} | | 0.0 | kW |
| 10 | <p align="center"> Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, +5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity </p> | | | |

*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:

- 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.
- The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- 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.
- 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 |
|--|--------------|------------------|-----------------------------|---------------------------|
| m^3 / min | ft^3 / 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 | |
| Above 15 | Above 500 | +/- 4 | +/- 5 | |

Member



ROT 031