

COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Fixed Speed

| MODEL DATA - FOR COMPRESSED AIR | | | |
|----------------------------------------|--------------------------------------------------------------------------------------|--------------|------------------|
| 1 | Manufacturer: Atlas Copco | | |
| 2 | Model Number: | GA 450 W-8.6 | Date: 07-06-2020 |
| | <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled | | Type: Screw |
| | <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free | | # of Stages: 1 |
| 3* | Rated Capacity at Full Load Operating Pressure*(a,e) | 2,580.7 | (acfm) *(a,e) |
| 4 | Full Load Operating Pressure*(b) | 125.0 | psig*(b) |
| 5 | Maximum Full Flow Operating Pressure*(c) | 132.0 | psig*(c) |
| 6 | Drive Motor Nominal Rating | 590.0 | hp |
| 7 | Drive Motor Nominal Efficiency | 96.0 | percent |
| 8 | Fan Motor Nominal Rating (if applicable) | -- | hp |
| 9 | Fan Motor Nominal Efficiency | -- | percent |
| 10* | Total Package Input Power at Zero Flow*(e) | 105.8 | kW*(e) |
| 11 | Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d) | 457.0 | kW*(d) |
| 12* | Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e) | 17.7 | kW/100 cfm*(e) |

*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 C; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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.
- Total package input power at other than reported operating points will vary with control strategy.
- Tolerance is specified in ISO 1217, Annex E, as shown in table below:

Member



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 |
|---------------------------------------------|------------------|------------------|--------------------------------|------------------------------|
| <u>m3 / min</u> | <u>ft3 / min</u> | % | % | +/- 10 |
| Below 0.5 | Below 15 | +/- 7 | +/- 8 | |
| 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 | |

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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.