

COMPRESSOR DATA SHEET
Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR

| | | | |
|----|--|--------------------------------|---|
| 1 | Manufacturer: CompAir | | |
| 2 | Model Number: L160RS - 125psig | | Date: 6/17/10 |
| | <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free | # of Stages: | 1 |
| 3 | Rated Operating Pressure | 125 | psig ^b |
| 4 | Drive Motor Nameplate Rating | 215 | hp |
| 5 | Drive Motor Nameplate Efficiency | 95 | percent |
| 6 | Fan Motor Nameplate Rating (if applicable) | 2.4 | hp |
| 7 | Fan Motor Nameplate Efficiency | 78 | percent |
| 8 | Input Power (kW) | Capacity (acfm) ^{a,d} | Specific Power (kW/100 acfm) ^d |
| | 175.6 | 919.8 | 19.09 |
| | 151.2 | 800.5 | 18.88 |
| | 127.7 | 686.2 | 18.61 |
| | 105.8 | 577.1 | 18.32 |
| | 84.3 | 464.4 | 18.16 |
| | 64.2 | 348.4 | 18.42 |
| 9 | Total Package Input Power at Zero Flow ^c | 24.8 | kW |
| 10 | <p align="center">Note: Graph is only a visual representation of the data in Section 9</p> | | |

- NOTES:
- Measured at the discharge terminal point of the compressor package in accordance with Annex E to ISO 1217; 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 Annex E to ISO 1217 as follows:
 NOTE: The terms "power" and "energy" are synonymous for purposes of this document

Member:



| Volume Flow Rate at specified conditions | | Volume Flow Rate | Specific Energy |
|--|-----------------------------|------------------|-----------------|
| <u>m³ / min</u> | <u>ft³ / min</u> | % | % |
| 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 |