

COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR

| | | | |
|----|---|---------------------------------------|---|
| 1 | Manufacturer: Sullair Corp | | |
| 2 | Model Number: 3707V | | Date: January 1, 2009 |
| | <input checked="" type="checkbox"/> Air-cooled | <input type="checkbox"/> Water-cooled | |
| | <input checked="" type="checkbox"/> Oil-injected | <input type="checkbox"/> Oil-free | # of Stages: 1 |
| 3 | Full Load Operating Pressure | 100 | psig ^b |
| 4 | Maximum Full Flow Operating Pressure | 100 | psig ^c |
| 5 | Drive Motor Nameplate Rating | 50 | hp |
| 6 | Drive Motor Nameplate Efficiency | 94.5 | percent |
| 7 | Fan Motor Nameplate Rating (if applicable) | 1.5 | hp |
| 8 | Fan Motor Nameplate Efficiency | 84 | percent |
| 9 | Input Power (kW) | Capacity (acfm) ^{a,e} | Specific Power (kW/100 acfm) ^e |
| | 46.4 | 249.0 | 18.63 |
| | 39.9 | 211.7 | 18.84 |
| | 33.4 | 174.3 | 19.14 |
| | 26.8 | 137.0 | 19.59 |
| | 20.3 | 99.6 | 20.38 |
| | 13.8 | 62.3 | 22.13 |
| 10 | Total Package Input Power at Zero Flow ^d | 0.0 | kW |
| 11 | <p style="text-align: center; font-size: small;">Note: Graph is only a visual representation of the data in Section 9</p> | | |

NOTES:

- a. 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.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- 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. 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.
- e. 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 |
|--|--------------|------------------|-----------------|
| m^3 / min | ft^3 / min | % | % |
| 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 |