

**COMPRESSOR DATA SHEET**  
**Rotary Compressor: Variable Frequency Drive**

**MODEL DATA - FOR COMPRESSED AIR**

1	Manufacturer: <b>Kaeser Compressors, Inc.</b>		
2	Model Number: <b>SFC 160 - 125 psig / 460V/3ph/60Hz</b>	Date:	<b>11/4/2011</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	<b>Screw</b>
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages:	<b>1</b>
3	Rated Operating Pressure	<b>125</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>250</b>	hp
5	Drive Motor Nominal Efficiency	<b>96.2</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>2.4</b>	hp
7	Fan Motor Nominal Efficiency	<b>79</b>	percent
8*	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>
	196.4	Max	<b>1017.1</b>
	157.1		<b>837.0</b>
	106.8		<b>579.2</b>
	76.6		<b>402.6</b>
	48.4	Min	<b>226.0</b>
9*	Total Package Input Power at Zero Flow <sup>c,d</sup>		<b>0.0</b>
10	<p align="center"><b>Note: Graph is only a visual representation of the data in Section 8</b>          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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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	