

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

**MODEL DATA - FOR COMPRESSED AIR**

1	Manufacturer: <b>CompAir</b>		
2	Model Number: <b>L45RS - 190psig</b>		Date: 5/31/10
	<input checked="" type="checkbox"/> Air-cooled	<input type="checkbox"/> Water-cooled	# of Stages: <b>1</b>
	<input checked="" type="checkbox"/> Oil-injected	<input type="checkbox"/> Oil-free	
3	Rated Operating Pressure	<b>190</b>	psig <sup>b</sup>
4	Drive Motor Nameplate Rating	<b>60</b>	hp
5	Drive Motor Nameplate Efficiency	<b>93</b>	percent
6	Fan Motor Nameplate Rating (if applicable)	<b>2</b>	hp
7	Fan Motor Nameplate Efficiency	<b>63</b>	percent
8	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	57.6	217.4	26.48
	49.7	191.5	25.93
	42.1	163.6	25.75
	35.1	133.6	26.24
	28.3	102.0	27.75
	21.9	69.2	31.71
9	Total Package Input Power at Zero Flow <sup>c</sup>	3.1	kW
10	<p align="center">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. 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.
  - d. Tolerance is specified in Annex E to ISO 1217 as follows:  
 NOTE: The terms "power" and "energy" are synonymous for purposes of this document



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy
<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / 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