

## COMPRESSOR DATA SHEET

### Rotary Screw Variable Frequency Drive Compressor

#### MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: <b>CompAir</b>		
2	Model Number: <b>L90RS - 145psig</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>145</b>	psig <sup>b</sup>
4	Drive Motor Nameplate Rating	<b>125</b>	hp
5	Drive Motor Nameplate Efficiency	<b>94.5</b>	percent
6	Fan Motor Nameplate Rating (if applicable)	<b>3.5</b>	hp
7	Fan Motor Nameplate Efficiency	<b>76</b>	percent
8	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	113.5	538.2	21.09
	99.2	468.9	21.15
	84.6	394.4	21.45
	70.6	318.8	22.15
	56.9	242.4	23.45
	43.0	165.5	25.98
9	Total Package Input Power at Zero Flow <sup>c</sup>	14.3	kW
10	<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. 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

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