

COMPRESSOR DATA SHEET
Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: CompAir		
2	Model Number: L90RS - 145psig		Date: 5/31/10
	<input type="checkbox"/> Air-cooled	<input checked="" type="checkbox"/> Water-cooled	# of Stages: 1
	<input checked="" type="checkbox"/> Oil-injected	<input type="checkbox"/> Oil-free	
3	Rated Operating Pressure	145	psig ^b
4	Drive Motor Nameplate Rating	125	hp
5	Drive Motor Nameplate Efficiency	94.5	percent
6	Fan Motor Nameplate Rating (if applicable)	0.9	hp
7	Fan Motor Nameplate Efficiency	76	percent
8	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	111.9	538.2	20.79
	97.6	468.9	20.81
	83.0	394.4	21.05
	69.0	318.8	21.64
	55.3	242.4	22.79
	41.4	165.5	25.01
9	Total Package Input Power at Zero Flow ^c	14.3	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