

COMPRESSOR DATA SHEET
Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: CompAir		
2	Model Number: L160RS - 100psig		Date: 6/17/10
	<input checked="" type="checkbox"/> Air-cooled	<input type="checkbox"/> Water-cooled	# of Stages: 1
	<input checked="" type="checkbox"/> Oil-injected	<input type="checkbox"/> Oil-free	
3	Rated Operating Pressure	100	psig ^b
4	Drive Motor Nameplate Rating	215	hp
5	Drive Motor Nameplate Efficiency	95	percent
6	Fan Motor Nameplate Rating (if applicable)	2 x 5.4	hp
7	Fan Motor Nameplate Efficiency	82	percent
8	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	171.9	976.1	17.61
	148.8	855.6	17.39
	126.7	736.7	17.20
	105.6	615.4	17.16
	85.3	487.8	17.48
	65.7	350.0	18.77
9	Total Package Input Power at Zero Flow ^c	24.8	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

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