

COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: CompAir		
2	Model Number: L110SR		Date: 2/1/2009
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: 1	
3	Full Load Operating Pressure	100	psig ^b
4	Maximum Full Flow Operating Pressure	108	psig ^c
5	Drive Motor Nameplate Rating	150	hp
6	Drive Motor Nameplate Efficiency	NA	percent
7	Fan Motor Nameplate Rating (if applicable)	3.5	hp
8	Fan Motor Nameplate Efficiency		percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	35.16	168.5	20.87
	50.68	269.9	18.78
	64.19	356.1	18.03
	78.08	441.1	17.70
	97.48	551.6	17.67
10	Total Package Input Power at Zero Flow ^d	0.0	kW
11	<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. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. 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.
- e. 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