

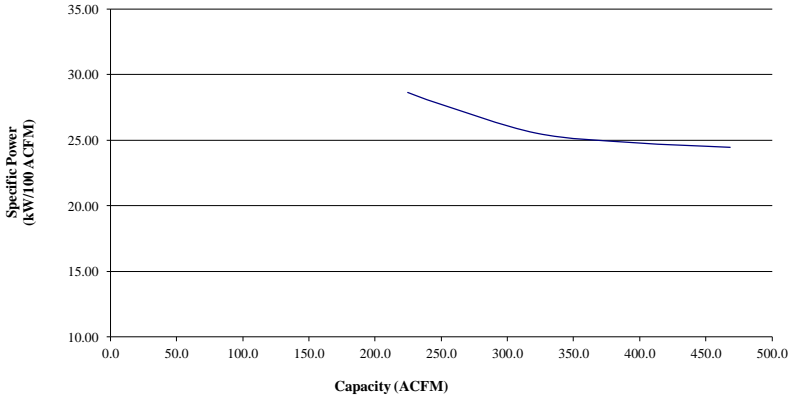
COMPRESSOR DATA SHEET

**Gardner
Denver**

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Gardner Denver		
2	Model Number: L90RS-125hp-190psi		Date: 11/08/22
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	Screw
	# of Stages: 1		
3*	Full Load Operating Pressure ^b	190	psig ^b
4	Drive Motor Nominal Rating	125	hp
5	Drive Motor Nominal Efficiency	95.4	percent
6	Fan Motor Nominal Rating (if applicable)	3.5	hp
7	Fan Motor Nominal Efficiency	89.5	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	114.56	468.4	24.46
	98.13	395.4	24.81
	82.19	321.8	25.54
	68.69	246.8	27.83
	66.52	235.7	28.22
	64.35	224.7	28.64
9*	Total Package Input Power at Zero Flow ^{c, d}		14.6 kW
10	Isentropic Efficiency		71.63 %
11	 <p>Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity</p>		

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator
 Consult CAGI website for a list of participants in the third party verification program: www.cagi.org



- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E;
ACFM is actual cubic feet per minute at inlet conditions.
 - The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) 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 ISO 1217, Annex E, as shown in table below:
- 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 Consumption	No Load Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

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