



COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Ingersoll Rand		
2	Model Number R5.5n-A125		Date: September 2015
	☒ Air-cooled ☐ Water-cooled	Type:	Screw
	☒ Oil Injected ☐ Oil-Free	# of Stages:	1
3	Rated Operating Pressure	125	psig ^b
4	Drive Motor Nominal Rating	7.5	hp
5	Drive Motor Nominal Efficiency	89.5	percent
6	Fan Motor Nominal Rating (if applicable)	0.4	hp
7	Fan Motor Nominal Efficiency	71.0	percent
8*	Input Power (kW)		Capacity (acfm) ^{a,d}
	7.9 Max		27.1
	7.4		24.8
	6.8		22.4
	6.3		20.1
	5.7		17.8
	5.2		15.4
	4.6 Min		13.1
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0 kW
10	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		

* For models that are tested in the CAGI Performance verification Program, these items are verified by program administrator

Consult CAGI website for a list of participants in the third party verification program:

www.cagi.org

NOTES:

- 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 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 ISO 1217, Annex E, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document

Volume flow rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ /min	ft ³ /min	%	%	+/- 10%
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	

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