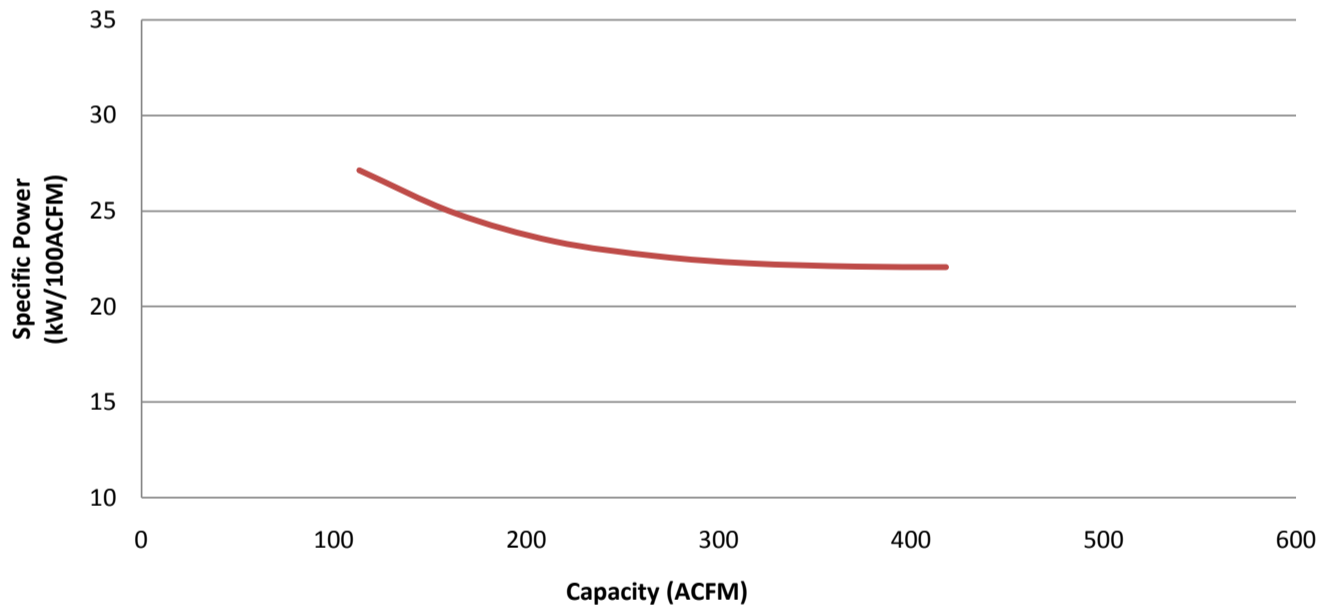


**COMPRESSOR DATA SHEET**  
**Rotary Compressor: Variable Frequency Drive**

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Ingersoll Rand</b>		
2	Model Number	R75N-W135	Date: <b>October, 2011</b>
	<input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled		Type: <b>Screw</b>
	<input checked="" type="checkbox"/> Oil Injected <input type="checkbox"/> Oil-Free		# of Stages: <b>1</b>
3	Rated Operating Pressure	<b>135</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>100</b>	hp
5	Drive Motor Nominal Efficiency	<b>95.2</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>0.5</b>	hp
7	Fan Motor Nominal Efficiency	<b>100.0</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>92.2</b> Max	<b>418.1</b>	<b>22.0</b>
	<b>82.0</b>	<b>371.3</b>	<b>22.1</b>
	<b>70.2</b>	<b>315.4</b>	<b>22.2</b>
	<b>60.6</b>	<b>268.1</b>	<b>22.6</b>
	<b>50.2</b>	<b>214.6</b>	<b>23.4</b>
	<b>40.5</b>	<b>162.6</b>	<b>24.9</b>
	<b>30.7</b> Min	<b>113.3</b>	<b>27.1</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	<b>0.0</b>	kW
10	 <p align="center">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 program administrator

Consult CAGI website for a list of participants in the third party verification program: [www.cagi.org](http://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 <sup>3</sup> /min	ft <sup>3</sup> /min	%	%	
Below 0.5	Below 15	+/-7	+/-8	+/- 10%
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	

Member:



Member:

ROT 031