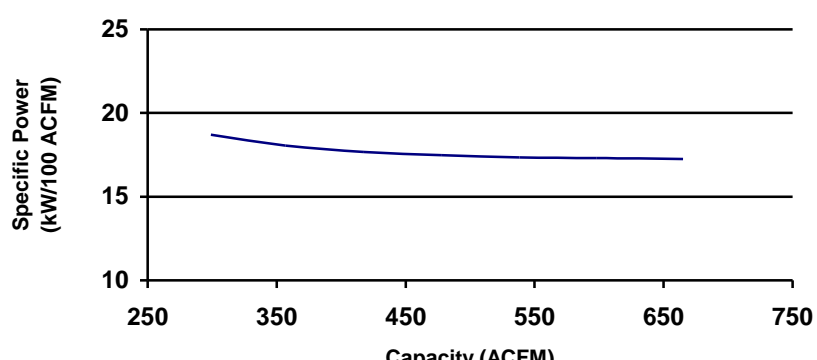


## COMPRESSOR DATA SHEET

### Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Ingersoll Rand</b>	Date: <b>August 2, 2010</b>	
2	Model Number: <b>R90Ne – W - 135</b> <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: <b>2</b>	VALUE                      UNIT
3	Full Load Operating Pressure <sup>b</sup>	<b>135</b>	psig <sup>b</sup>
4	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>135</b>	psig <sup>c</sup>
5	Drive Motor Nameplate Rating	<b>125</b>	hp
6	Drive Motor Nameplate Nominal Efficiency	<b>95.4</b>	percent
7	Fan Motor Nameplate Rating (if applicable)	<b>0.8</b>	kW
8	Fan Motor Nameplate Nominal Efficiency	<b>86.6</b>	percent
9	Input Power (kW)	Capacity (acfm) <sup>a,c</sup>	Specific Power (kW/100 acfm) <sup>e</sup>
	112.5	<b>594.0</b>	18.94
	105.1	<b>552.8</b>	19.02
	99.99	<b>523.4</b>	19.1
	95.89	<b>499.6</b>	19.19
	79.92	<b>405.5</b>	19.71
	73.08	<b>365.2</b>	20.01
	64.08	<b>313.0</b>	20.47
10	Total Package Input Power at Zero Flow <sup>d</sup>	<b>0.0</b>	kW <sup>d</sup>
11			

Note: Graph is only a visual representation of the data in section 9

**NOTES:**

- a. Measured at the discharge terminal point of the compressor package in accordance with the 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. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in the Annex E to ISO 1217 as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate <sup>f</sup>	Specific Energy Consumption <sup>g</sup>
<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / 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

Member

