

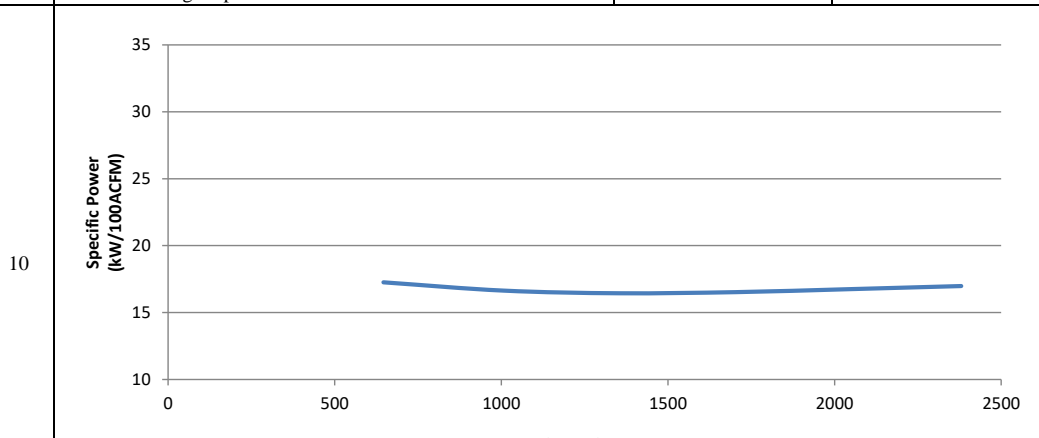


**COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive**

**MODEL DATA - FOR COMPRESSED AIR**

1	Manufacturer: <b>Ingersoll Rand</b>		
2	Model Number: <b>RS355ne-W145</b>	Date: <b>October 2019</b>	Type: <b>Screw</b>  # of Stages: <b>2</b>
	<input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled		
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free		
3	Rated Operating Pressure	<b>115</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>476</b>	hp
5	Drive Motor Nominal Efficiency	<b>96.0%</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>1.2</b>	hp
7	Fan Motor Nominal Efficiency	<b>88.0%</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>404.2</b> Max	<b>2380.2</b>	<b>17.0</b>
	<b>341.9</b>	<b>2041.2</b>	<b>16.7</b>
	<b>281.3</b>	<b>1702.2</b>	<b>16.5</b>
	<b>223.0</b>	<b>1356.1</b>	<b>16.4</b>
	<b>167.5</b>	<b>1006.5</b>	<b>16.6</b>
	<b>111.5</b> Min	<b>646.3</b>	<b>17.3</b>
9*	Total Package Input Power at Zero Flow <sup>c,d</sup>		<b>0</b> kW



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](http://www.cagi.org)

NOTES:

- a. 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.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. 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.
- d. 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	



ROT 031

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This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data