


Ingersoll Rand
COMPRESSOR DATA SHEET
Federal Uniform Test Method for Certain Air Compressors Not Applicable
Rotary Compressor: Variable Frequency Drive
MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Ingersoll Rand		
2	Model Number	E315ne-W155 (NA-IP23)	Date: February 2023
	<input type="checkbox"/> Air-cooled	<input checked="" type="checkbox"/> Water-cooled	Type: Screw
	<input type="checkbox"/> Oil Injected	<input checked="" type="checkbox"/> Oil-Free	# of Stages: 2
3*	Full Load Operating Pressure ^b	125	psig ^b
4	Drive Motor Nominal Rating	422	hp
5	Drive Motor Nominal Efficiency	95.5%	percent
6	Fan Motor Nominal Rating (if applicable)	1.8	hp
7	Fan Motor Nominal Efficiency	82.5%	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	339.6 Max	1744	19.48
	285.7	1521	18.78
	236.5	1287	18.37
	191.3	1044	18.33
	149.6	792	18.90
	110.7 Min	532	20.80
9*	Total Package Input Power at Zero Flow ^{c,d}	0.0	kW
10	<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 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



Member

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 17.6	+/-7	+/-8	
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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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