



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	E355ne-W155 (NA-IP55)	Date: March 2021
	<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	100	psig ^b
4	Drive Motor Nominal Rating	476	hp
5	Drive Motor Nominal Efficiency	96.0%	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
	326.5 Max	1809	18.05
	271.0	1577	17.19
	221.0	1332	16.59
	175.7	1076	16.34
	134.5	810	16.61
	96.8 Min	536	18.07
9*	Total Package Input Power at Zero Flow ^{c,d}	0.0	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

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 ³ /min	ft ³ /min	%	%	
Below 0.5	Below 17.6	+/-7	+/-8	+/- 10%
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	

Member:

ROT 031.2

12/19 R3

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