



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 E110n-A100 (NA-IP55)	Date: September 2023	
	☒ Air-cooled ☐ Water-cooled	Type: Screw	
	☐ Oil Injected ☒ Oil-Free	# of Stages: 2	
3*	Full Load Operating Pressure ^b	100	psig ^b
4	Drive Motor Nominal Rating	148	hp
5	Drive Motor Nominal Efficiency	97.0%	percent
6	Fan Motor Nominal Rating (if applicable)	10.1	hp
7	Fan Motor Nominal Efficiency	92.1%	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	123.6 Max	696	17.77
	107.7	612	17.60
	91.2	518	17.60
	76.6	429	17.87
	62.7	338	18.58
	49.3 Min	243	20.25
9*	Total Package Input Power at Zero Flow ^{c,d}	0.0	kW

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Capacity (ACFM)

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:

- 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 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

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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