



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-W125 (NA-IP55)	Date:	May 2023
	☐ Air-cooled	☒ Water-cooled	Type:	Screw
	☐ Oil Injected	☒ Oil-Free	# of Stages:	2
3*	Full Load Operating Pressure ^b	125	psig ^b	
4	Drive Motor Nominal Rating	148	hp	
5	Drive Motor Nominal Efficiency	97.0%	percent	
6	Fan Motor Nominal Rating (if applicable)	1.2	hp	
7	Fan Motor Nominal Efficiency	82.5%	percent	
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	126.7 Max		684	18.52
	112.8		611	18.45
	100.2		542	18.50
	88.1		471	18.71
	76.2		398	19.17
	62.9 Min		311	20.21
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0	kW
10	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