



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	E160ne-W145	Date: 04/15/21
	☐ Air-cooled ☒ Water-cooled	Type:	Screw
	☐ Lubricated ☒ Oil-Free	# of Stages:	2
3*	Full Load Operating Pressure ^b	145	psig ^b
4	Drive Motor Nominal Rating	2 x 108	hp
5	Drive Motor Nominal Efficiency	97.0	percent
6	Fan Motor Nominal Rating (if applicable)	0.78	hp
7	Fan Motor Nominal Efficiency	76.0	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	174.9	835	20.94
	150.8	722	20.88
	128.6	610	21.09
	108.0	497	21.72
	88.8	384	23.11
	71.2	272	26.18
9*	Total Package Input Power at Zero Flow ^{c, d}	8.0	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 the third party administrator. Consult CAGI website for a list of participants in the third party verification program: www.cagi.org



Member

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 (Item 8) and Electrical Consumption (Item 8) 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	

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