



COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand		
2	Model Number	E185ie-W110 (NA-IP23)	Date: March 2021
	☐ Air-cooled ☒ Water-cooled		Type: Screw
	☐ Oil Injected ☒ Oil-Free	# of Stages: 2	
3*	Rated Capacity at Full Load Operating Pressure a, e	1281	acfm ^{a, e}
4	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	110	psig ^c
6	Drive Motor Nominal Rating	250	hp
7	Drive Motor Nominal Nominal Efficiency	95.8%	percent
8	Fan Motor Nominal Rating (if applicable)	2.4	hp
9	Fan Motor Nominal Nominal Efficiency	82.5%	percent
10*	Total Package Input Power at Zero Flow ^e	49.5	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	206.9	kW ^d
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e	16.15	kW/100 cfm ^e

* For models that are tested in the CAGI Performance Verification Program, these are the items verified by the third party program administrator.

Consult CAGI website for a list of participants in the third party verification program:

www.cagi.org

NOTES:

Member:



- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (item 3) and Electrical Consumption (item 11) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in ISO 1217, Annex C, 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 ^f	Specific Energy ^g Consumption	No Load / Zero Flow Power ^h
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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