



COMPRESSOR DATA SHEET

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand		
2	Model Number	RS37ie-A200	Date: November 2016
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: Screw
	<input checked="" type="checkbox"/> Oil Injected <input type="checkbox"/> Oil-Free		# of Stages: 1
3*	Rated Capacity at Full Load Operating Pressure ^{a, e}	173	acfm ^{a, e}
4	Full Load Operating Pressure ^b	190	psig ^b
5	Maximum Full Flow Operating Pressure ^c	200	psig ^c
6	Drive Motor Nameplate Rating	50	hp
7	Drive Motor Nameplate Nominal Efficiency	93%	percent
8	Fan Motor Nameplate Rating (if applicable)	1.5	hp
9	Fan Motor Nameplate Nominal Efficiency	87.5%	percent
10*	Total Package Input Power at Zero Flow ^e	11.2	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	44.7	kW ^d
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e	25.9	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.

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy ^g Consumption	No Load / Zero Flow Power ^e
m ³ / min	ft ³ / min			
Below 0.5	Below 15	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	15 to 50	+/- 6	+/- 7	
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	

ROT 030

10/11 R8

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