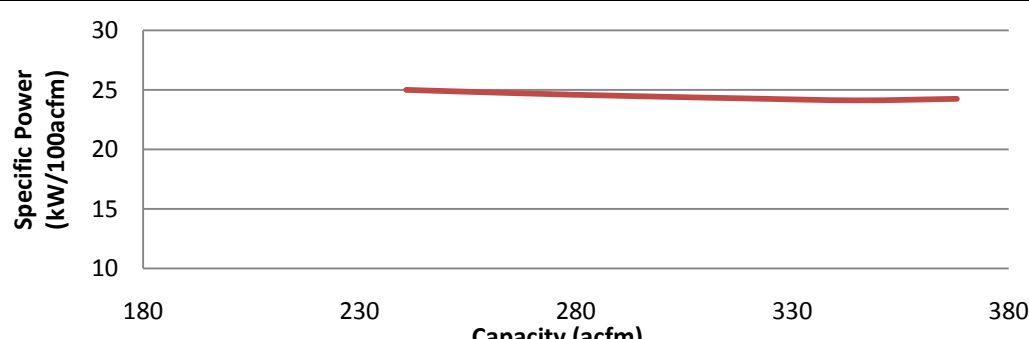


## COMPRESSOR DATA SHEET

### Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Ingersoll Rand</b>	Date:	<b>December 29, 2009</b>
2	Model Number <b>IRN100H</b> <input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled <input type="checkbox"/> Oil Injected <input checked="" type="checkbox"/> Oil-Free	# of Stages	<b>2</b>
		VALUE	UNIT
3	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>
4	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>
5	Drive Motor Nameplate Rating	<b>100</b>	hp
6	Drive Motor Nameplate Nominal Efficiency	<b>95.2%</b>	
7	Fan Motor Nameplate Rating (if applicable)	<b>0.5</b>	hp
8	Fan Motor Nameplate Nominal Efficiency	<b>70.0%</b>	
	Input Power (kW)	Capacity (acfm) <sup>a,e</sup>	Specific Power (kW/100 acfm) <sup>e</sup>
9	<b>89.2</b>	<b>368.0</b>	<b>24.2</b>
	<b>83.2</b>	<b>344.9</b>	<b>24.1</b>
	<b>77.4</b>	<b>318.8</b>	<b>24.3</b>
	<b>71.7</b>	<b>292.8</b>	<b>24.5</b>
	<b>65.9</b>	<b>266.8</b>	<b>24.7</b>
	<b>60.2</b>	<b>240.8</b>	<b>25.0</b>
10	Total Package Input Power at Zero Flow <sup>d</sup>	<b>0.0</b>	kW <sup>d</sup>
11			
	Note: Graph is only a visual representation of the data in section 9		

**NOTES:**

- a. Measured at the discharge terminal point of the compressor package in accordance with the Annex E to ISO 1217. 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. 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. No Load Power. Total package input power at other than reported operating points will vary with control strategy
- e. Tolerance is specified in the Annex E to ISO 1217

Volume flow rate at specified conditions		Volume Flow Rate	Specific Energy
m <sup>3</sup> /min	ft <sup>3</sup> /min	%	%
Below 0.5	Below 15	+/-7	+/-8
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

Member:

