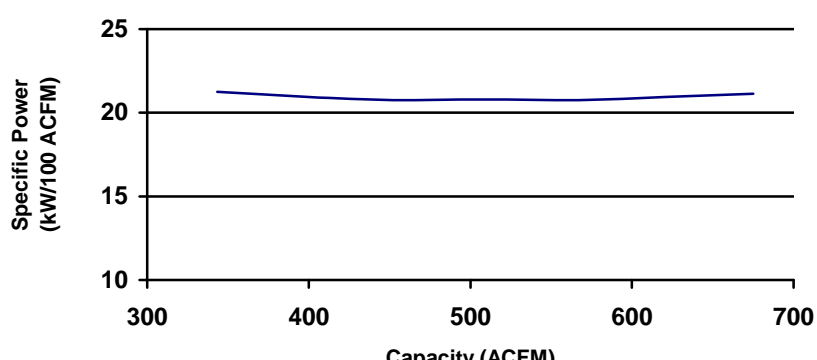


COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Ingersoll Rand	Date: Aug 11th 2009	
2	Model Number: IRN150H-2S <input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: 2	VALUE UNIT
3	Full Load Operating Pressure ^b	145	psig ^b
4	Maximum Full Flow Operating Pressure ^c	145	psig ^c
5	Drive Motor Nameplate Rating	150	hp
6	Drive Motor Nameplate Nominal Efficiency	94.2	percent
7	Fan Motor Nameplate Rating (if applicable)	10	hp
8	Fan Motor Nameplate Nominal Efficiency	88.5	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	142.7	675.0	21.14
	130.0	621.0	20.94
	117.7	567.0	20.75
	105.6	507.9	20.79
	93.8	452.1	20.75
	83.7	399.4	21.95
	73.0	343.4	21.25
10	Total Package Input Power at Zero Flow ^d	0.0	kW ^d
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) as follows:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy Consumption ^g
<u>m³ / min</u>	<u>ft³ / min</u>	%	%
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

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