



**COMPRESSOR DATA SHEET**

**Rotary Compressor: Fixed Speed**

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Ingersoll Rand</b>		
2	Model Number	UP6 7-150 (3P)	Date: <b>April 2013</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
	<input checked="" type="checkbox"/> Oil Injected <input type="checkbox"/> Oil-Free		# of Stages: <b>1</b>
3*	Rated Capacity at Full Load Operating Pressure <sup>a, e</sup>	<b>23.1</b>	acfm <sup>a, e</sup>
4	Full Load Operating Pressure <sup>b</sup>	<b>150</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>150</b>	psig <sup>c</sup>
6	Drive Motor Nameplate Rating	<b>7.5</b>	hp
7	Drive Motor Nameplate Nominal Efficiency	<b>87.5</b>	percent
8	Fan Motor Nameplate Rating (if applicable)	<b>na</b>	hp
9	Fan Motor Nameplate Nominal Efficiency	<b>na</b>	percent
10*	Total Package Input Power at Zero Flow <sup>e</sup>	<b>4.7</b>	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>7.1</b>	kW <sup>d</sup>
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>30.7</b>	kW/100 cfm <sup>e</sup>

\* 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](http://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 <sup>f</sup>	Specific Energy <sup>g</sup> Consumption	No Load / Zero Flow Power <sup>e</sup>
<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / min</u>	%	%	
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