24517740 rev A



## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Fixed Speed** 

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

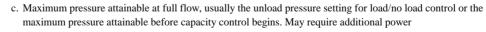
NOTES:

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.

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b. The operating pressure at which the Capacity (item 3) and Electrical Consumption (item 11) were measured for this data sheet.



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		Specific Energy <sup>g</sup> Consumption	No Load / Zero Flow Power <sup>e</sup>	
	$\underline{m^3 / \min}$	$\underline{\mathrm{ft}^3}/\mathrm{min}$	%	%		
	Below 0.5	Below 15	+/- 7	+/- 8		
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	+/- 10%	
ROT 030	1.5 to 15	50 to 500	+/- 5	+/- 6		
	Above 15	Above 500	+/- 4	+/- 5		
10/11 R8 This form was developed by	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					