

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer:	Chicago Pneumatic	
2	Model Number:	QRS 7.5 - Three Phase	Date: May-15
	<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}	21.2	acfm ^{a,e}
4	Full Load Operating Pressure ^b	150	psig ^b
5	Maximum Full Flow Operating Pressure ^c	150	psig ^c
6	Drive Motor Nominal Rating	7.5	hp
7	Drive Motor Nominal Efficiency	89.5	percent
8	Fan Motor Nominal Rating (if applicable)	NA	hp
9	Fan Motor Nominal Efficiency	NA	percent
10*	Total Package Input Power at Zero Flow ^e	1.49	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	6.2	kW ^d
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e	29.0	kW/100 cfm ^e

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- 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.
- The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- 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.
- Total package input power at other than reported operating points will vary with control strategy.
- Tolerance is specified in ISO 1217, Annex C, as shown in table below:



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption
<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

ROT 030

tor.

No Load / Zero
Flow Power

+/- 10%