

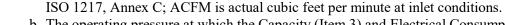
COMPRESSOR DATA SHEET

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR						
1	Manufacturer: Chicago Pneumatic					
	Model Number: QRS 10	Date:	Jan-19			
2	x Air-cooled Water-cooled	Type:	Screw			
	x Oil-injected Oil-free	# of Stages:	3			
	Rated Capacity at Full Load Operating					
3*	Pressure ^{a, e}	28.3	acfm ^{a,e}			
4	Full Load Operating Pressure ^b	175	psig ^b			
5	Maximum Full Flow Operating Pressure ^c	182	psig ^c			
6	Drive Motor Nominal Rating	10	hp			
7	Drive Motor Nominal Efficiency	90.3	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	2.9	kW ^e			
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	9.5	kW^d			
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e	33.7	kW/100 cfm ^e			

NOTES:

a. Measured at the discharge terminal point of the compressor package in accordance with





- 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	Specific Energy Consumption	No Load / Zero Flow Power
 $\underline{m^3 / \min}$	<u>ft3 / min</u>	%	%	
Below 0.5	Below 15	+/- 7	+/- 8	
0.5 to 1.5	15 to 50	+/- 6	+/- 7	+/- 10%
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	

ROT 030

10/11 R8 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.