COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Quincy Compressor						
	Model Number: QGV-200	Date:	August 2011				
2	Air-cooled X Water-cooled	Type:	Screw				
	X Oil-injected Oil-free	# of Stages:	1				
3	Rated Operating Pressure	125	psig ^b				
4	Drive Motor Nominal Rating	200	hp				
5	Drive Motor Nominal Efficiency	95.7	percent				
6	Fan Motor Nominal Rating (if applicable)	2 X 5	hp				
7	Fan Motor Nominal Efficiency	78.5	percent				
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d				
	172.2 Ma	x 846.3	20.35				
Ovis	165.9	819.0	20.26				
8*	159.9	790.0	20.24				
	122.9	608.7	20.19				
	83.9	386.5	21.71				
	42.6 Mi	n 173.2	24.60				
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW				
10	35.00 30.00 15.00 10.00 0.05.50.751001.291.501.02.002.29.502.05.003.293.303.004.293.842.05.003.295.803.05.004.295.807.5007.295.807.05.003.295.803.0900.0 Capacity (ACFM) Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity						

*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator

Consult CAGI website for a list of participants in the third party verification program: a. Measured at the discharge terminal point of the compressor package in accordance with

Member:

- ISO 1217, Annex E; 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.
- $c.\ No\ Load\ Power.\ In\ accordance\ with\ ISO\ 1217,\ Annex\ E,\ if\ measurement\ of\ no\ load\ power\ equals\ less\ than\ 1\%,$ manufacturer may state "not significant" or "0" on the test report.
- d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:



	ne Flow Rate fied conditions	Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
$\underline{\mathbf{m}^3 / \mathbf{min}}$	ft3 / min	%	%	
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	

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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.