## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive** 

MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Quincy Compressor						
2	Model Number: QGV-75	Date:	Aug-11				
	X Air-cooled Water-cooled	Type:	Screw				
	X Oil-injected Oil-free	# of Stages:	1				
3	Rated Operating Pressure	100	psig <sup>b</sup>				
4	Drive Motor Nominal Rating	75	hp				
5	Drive Motor Nominal Efficiency	95.7	percent				
6	Fan Motor Nominal Rating (if applicable)	3	hp				
7	Fan Motor Nominal Efficiency	78.5	percent				
	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>				
	72.4 Max	371.5	19.49				
0*	68.4	352.2	19.42				
8*	61.2	316.4	19.34				
	46.2	233.7	19.77				
	33.1	151.0	21.92				
	21.5 Min	68.3	31.48				
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	0.0	kW				
10	35.00 30.00 30.00 25.00 30.00 15.00 0.0 25.0 50.0 75.0 100.0 125.0 150.0 175 Capac  Note: Graph is only a visual r	0.0 25.0 50.0 75.0 100.0 125.0 150.0 175.0 200.0 225.0 250.0 275.0 300.0 325.0 350.0 375.0 400.0 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					

\*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	

ROT 031

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.