COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Quincy Compressor						
2	Model Number: QGV-125	Date:	Aug-11				
	Air-cooled X Water-cooled	Type:	Screw				
	X Oil-injected Oil-free	# of Stages:	1				
3	Rated Operating Pressure	100	psig ^b				
4	Drive Motor Nominal Rating	125	hp				
5	Drive Motor Nominal Efficiency	95.7	percent				
6	Fan Motor Nominal Rating (if applicable)	7.5	hp				
7	Fan Motor Nominal Efficiency	80	percent				
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d				
	113.8 Max	583.1	19.52				
0.4	106.0	545.0	19.45				
8*	97.4	502.4	19.39				
	70.8	366.5	19.32				
	47.4	242.2	19.57				
	24.0 Min	115.2	20.83				
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW				
10	Note: Graph is only a visual r Note: Y-Axis Scale, 10 to 35, + 5kW	city (ACFM) epresentation of the data in Secti	on 8				

*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: www.cagi.org

NOTES:

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:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document



Volume Flow Rate at specified 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.