## COMPRESSOR DATA SHEET

## **Rotary Compressor: Variable Frequency Drive**

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Quincy Compressor		
2	Model Number: QGV 50	Date:	May-18
	X Air-cooled Water-cooled	Туре:	Screw
	X Oil-injected Oil-free	# of Stages:	Single
3	Rated Operating Pressure	125	psig <sup>b</sup>
4	Drive Motor Nominal Rating	50	hp
5	Drive Motor Nominal Efficiency	93.2	percent
6	Fan Motor Nominal Rating (if applicable)	2.2	hp
7	Fan Motor Nominal Efficiency	85	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	43.2 Max	215.0	20.1
	41.8	206.8	20.2
	34.5	165.9	20.8
	25.6	114.6	22.3
	21.6	91.4	23.6
	16.6 Min	62.0	26.7
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	0.0	kW
10	Note: Graph is only a visual r Note: Y-Axis Scale, 10 to 35, + 5kW	125.0 150.0 175.0 200  ity (ACFM)  peresentation of the data in Section 1/100acfm increments if necessary a 39% over maximum capacity	on 8

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

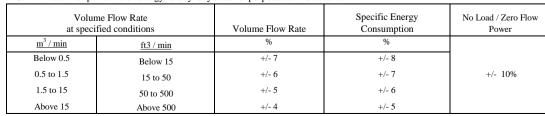
Consult CAGI website for a list of participants in the third party verification program:

www.cagi.org

NOTES:

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



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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