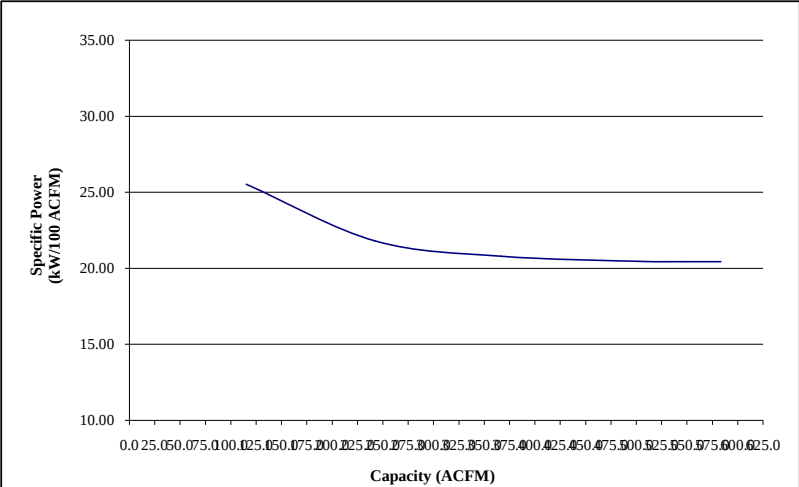


COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Quincy Compressor		
2	Model Number: QGV-125	Date: Aug-11	
	☒ Air-cooled ☐ Water-cooled ☒ Oil-injected ☐ Oil-free	Type: Screw	
	# 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
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	119.2 Max	583.1	20.44
	111.4	545.0	20.44
	102.8	502.4	20.46
	76.2	366.5	20.79
	52.8	242.2	21.80
	29.4 Min	115.2	25.52
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0 kW
10	 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: 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.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	
Below 0.5	Below 15	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	15 to 50	+/- 6	+/- 7	
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	

