



COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Quincy Compressor		
2	Model Number: QGDV 25		Date: Feb-18
	<input checked="" type="checkbox"/> Air-cooled	<input type="checkbox"/> Water-cooled	Type: Screw
	<input checked="" type="checkbox"/> Oil-injected	<input type="checkbox"/> Oil-free	# of Stages: Single
3	Rated Operating Pressure	125	psig ^b
4	Drive Motor Nominal Rating	25	hp
5	Drive Motor Nominal Efficiency	91	percent
6	Fan Motor Nominal Rating (if applicable)	1	hp
7	Fan Motor Nominal Efficiency	65	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	25.7	Max	117.6
	21.4		100.2
	18.5		84.1
	15.6		69.1
	12.6		53.4
	9.8	Min	35.2
9*	Total Package Input Power at Zero Flow ^{c,d}		0.0
10	<p style="text-align: center; font-size: small;"> 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 </p>		

*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	

Member



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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.