COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Quincy Compres	sor					
2	Model Number: QGV-75	Date:	Aug-11				
	X Air-cooled Water-cooled	f Type:	Screw				
	X Oil-injected Oil-free	# of Stages:	1				
3	Rated Operating Pressure	150	psig ^b				
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) ^{a,d}	Specific Power (kW/100 acfm) ^d				
	79.8	Max 325.6	24.51				
8*	76.5	311.8	24.53				
8"	57.8	229.1	25.23				
	41.4	146.4	28.28				
	26.8	63.8	42.01				
		Min	#DIV/0!				
9*	Total Package Input Power at Zero Flow	0.0	kW				
10	35.00 30.00 30.00 25.00 15.00 10.00 25.0 50.0 75.0 100.0 12 Note: Graph is only a Note: Y-Axis Scale, 10 to 3						

*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
m ³ / 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	

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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.