COMPRESSOR DATA SHEET

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Quincy Compressor						
2	Model Number: QGV-150	Date: August 2011					
	X Air-cooled Water-cooled	Type:	Screw				
	X Oil-injected Oil-free	# of Stages:	1				
3	Rated Operating Pressure	150	psig ^b				
4	Drive Motor Nominal Rating	150	hp				
5	Drive Motor Nominal Efficiency	95.7	percent				
6	Fan Motor Nominal Rating (if applicable)	5	hp				
7	Fan Motor Nominal Efficiency	80	percent				
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d				
	144.5 Max	587.9	24.58				
0.4	120.3	482.7	24.92				
8*	81.3	307.4	26.45				
	43.7	132.1	33.08				
	Min						
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW				
10	35.00 30.00 30.00 25.00 15.00 10.00	5.500.525.850.575.400.425.450.475.5 city (ACFM) representation of the data in Sec	00.525.550.575.600.625.0 tion 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: 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



	ne Flow Rate fied 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.