

COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Quincy Compressor		
2	Model Number: QGV-50		Date: March 2010
	<input checked="" type="checkbox"/> Air-cooled	<input type="checkbox"/> Water-cooled	# of Stages: 1
<input checked="" type="checkbox"/> Oil-injected	<input type="checkbox"/> Oil-free		
3	Rated Operating Pressure	100	psig ^b
5	Drive Motor Nameplate Rating	50	hp
6	Drive Motor Nameplate Efficiency	93.5	percent
7	Fan Motor Nameplate Rating (if applicable)	1.5	hp
8	Fan Motor Nameplate Efficiency	75.5	percent
9	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	14.2	54.6	26.01
	20.3	97.3	20.86
	29.4	154.5	19.03
	36.4	196.4	18.53
	39.6	215.9	18.34
	41.8	226.1	18.49
10	Total Package Input Power at Zero Flow ^c	0.0	kW
11	<p style="text-align: center; font-size: small;">Note: Graph is only a visual representation of the data in Section 9</p>		

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with Annex E to ISO 1217; 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 Annex E to ISO 1217 as follows:
NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Member:



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy
m ³ / min	ft ³ / min	%	%
Below 0.5	Below 15	+/- 7	+/- 8
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