



## COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Quincy Compressor		
2	Model Number: <b>QGS-40C</b>		Date: 1/15/2021
	<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: 1
3*	Rated Capacity at Full Load Operating Pressure <sup>a e</sup>	176.1	acfm <sup>a e</sup>
4*	Full Load Operating Pressure <sup>b</sup>	125	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	132	psig <sup>c</sup>
6	Drive Motor Nominal Rating	40	hp
7	Drive Motor Nominal Efficiency	92.4	percent
8	Fan Motor Nominal Rating (if applicable)	NA	hp
9	Fan Motor Nominal Efficiency		percent
10*	Total Package Input Power at Zero Flow <sup>e</sup>	9.9	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	38.2	kW <sup>d</sup>
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	21.70	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency	69.3	Percent

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator.

Consult CAGI website for a list of participants in the third party verification program: [www.cagi.org](http://www.cagi.org)

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
  - b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
  - c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
  - d. Total package input power at other than reported operating points will vary with control strategy.
  - e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:
- 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 Consumption	No Load / Zero Flow Power
m3 / min	ft3 / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/-10%
0.5 to 1.5	17.6 to 53	+/- 6	+/-7	
1.5 to 15	53 to 529.7	+/- 5	+/-6	
Above 15	Above 529.7	+/- 4	+/-5	

ROT 030.1