COMPRESSOR DATA SHEET

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

Rotary Compressor: Variable Displacement

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Quincy Compressor		
2	Model Number: **QGDV-20**	Date:	1/20/2021
	[X] Air-Cooled [ ] Water-cooled	Type:	Screw
	[X] Lubricated [ ] Oil Free	# of Stages:	1
3*	Full Load Operating Pressure [b]	125	psig[b]
4*	Drive Motor Nominal Rating	20	hp
5	Drive Motor Nominal Efficiency	91.00	percent
6	Fan Motor Nominal Rating (if applicable)	1	hp
7	Fan Motor Nominal Efficiency	65.00	percent

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Input Power (kW)		Capacity (acfm)	Specific Power (kW/100 acfm)
21.2		96.2	22.06
17.4		79.5	21.92
15.0		67.4	22.28
9.9		37.7	26.27
9.4		35.0	26.91

9*	Total Package Input Power at Zero Flow [e]	0	kW[e]
10	Isentropic Efficiency at Full Flow Rated Capacity and Full Load Operating Pressure	65.00	%

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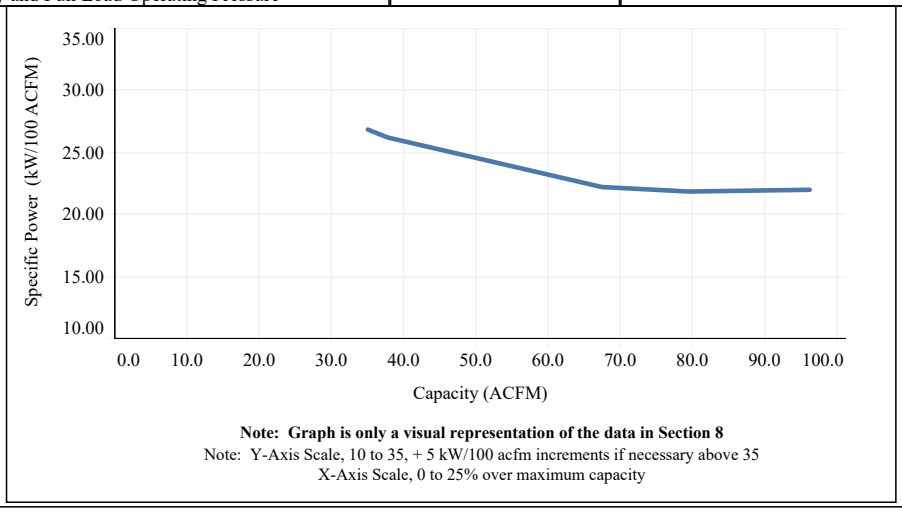

Note: Graph is only a visual representation of the data in Section 8
Note: Y-Axis Scale, 10 to 35, + 5 kW/100 acfm increments if necessary above 35
X-Axis Scale, 0 to 25% over maximum capacity

*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

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 (Item 8) and Electrical Consumption (Item 8) 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%,
d. 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	
0.5 to 1.5	17.6 to 53	+/- 6	+/-7	
1.5 to 15	53 to 529.7	+/- 5	+/-6	+/-10%
Above 15	Above 529.7	+/- 4	+/-5	

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