



## 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: <b>QGDV-30</b>		Date: 1/20/2021
	<input checked="" type="checkbox"/> Air-Cooled	<input type="checkbox"/> Water-cooled	Type: Screw
	<input checked="" type="checkbox"/> Lubricated	<input type="checkbox"/> Oil Free	# of Stages: 1
3*	Full Load Operating Pressure <sup>b</sup>	125	psig <sup>b</sup>
4*	Drive Motor Nominal Rating	30	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
8	Input Power (kW)	Capacity (acfm)	Specific Power (kW/100 acfm)
	30.7	141.3	21.73
	24.7	117.0	21.13
	21.2	99.8	21.26
	14.6	62.7	23.30
9*	10.2	36.7	27.85
	Total Package Input Power at Zero Flow <sup>c</sup>		0 kW <sup>e</sup>
10	Isentropic Efficiency at Full Flow Rated Capacity and Full Load Operating Pressure	68.30	%
11	<div style="text-align: center;"> <p style="font-size: small; margin-top: 10px;"> <b>Note: Graph is only a visual representation of the data in Section 8</b>            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         </p> </div>		

\*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)

- 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	+/-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 032.1