

COMPRESSOR DATA SHEET



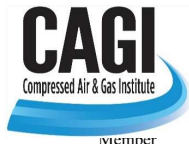
In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Quincy Compressor		
2	Model Number: QGSV-20S	Date:	11/07/24
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	Screw
	# of Stages:		1
3*	Full Load Operating Pressure ^b	150	psig ^b
4	Drive Motor Nominal Rating	20	hp
5	Drive Motor Nominal Efficiency	91.0	percent
6	Fan Motor Nominal Rating (if applicable)	na	hp
7	Fan Motor Nominal Efficiency	na	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	17.4	62.4	27.89
	15.2	53.9	28.11
	13.5	47.7	28.29
	10.0	30.3	32.88
8*	5.4	15.2	35.24
	9* Total Package Input Power at Zero Flow ^{c, d}		
10	Isentropic Efficiency	55.4%	%
11	<div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center; font-size: small;"> Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm 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

- NOTES:
- 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%, 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.



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m^3 / min	ft^3 / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	+/- 10%
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

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This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.