COMPRESSOR DATA SHEET

Rotary Compressor: Variable Displacement

MODEL DATA - FOR COMPRESSED AIR						
1	Manufacturer: Quincy Compressor					
2	Model Number: QSI-1500 Power\$ync Option	Date:	06/01/16			
	x Air-cooled Water-cooled	Туре:	Screw			
	x Oil-injected Oil-free	# of Stages:	1			
3	Rated Operating Pressure	125	psig ^b			
4	Drive Motor Nominal Rating	350	hp			
5	Drive Motor Nominal Efficiency	95.4	percent			
6	Fan Motor Nominal Rating (if applicable)	10	hp			
7	Fan Motor Nominal Efficiency	88	percent			
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d			
	294.7 Max	1504	19.59			
	266.1	1298	20.50			
	241.7	1109	21.79			
	219.2	921	23.80			
	198.8 Min	732	27.16			
9*	Total Package Input Power at Zero Flow ^{c, d}	78.5	kW			
10	25.00 25.00 15.00 15.00 10.00 700 750 800 850 900 950 1000 1050 1100 11: Capacity (ACFM) Note: Graph is only a visual representation of Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm incremands of Note: Y-Axis Scale, 0 to 25% over maximum.	nents if necessary above 35	0 1450 1500 1550			

*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 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 ISO 1217, Annex E, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Member

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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m³/min	<u>ft3 / min</u>	%	%	
Below 0.5	Below 15	+/- 7	+/- 8	
0.5 to 1.5	15 to 50	+/- 6	+/- 7	+/- 10%
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	

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