## COMPRESSOR DATA SHEET

**Rotary Compressor: Variable Displacement** 

MODEL DATA - FOR COMPRESSED AIR						
1	Manufacturer: Quincy Compressor					
2	Model Number: QSI-1000 Power\$ync Option	Date:	04/22/14			
	x Air-cooled Water-cooled	Type:	Screw			
	x Oil-injected Oil-free	# of Stages:	1			
3	Rated Operating Pressure	125	psig <sup>b</sup>			
4	Drive Motor Nominal Rating	250	hp			
5	Drive Motor Nominal Efficiency	95.0	percent			
6	Fan Motor Nominal Rating (if applicable)	5	hp			
7	Fan Motor Nominal Efficiency	88	percent			
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>			
	193.0 Max	1003	19.24			
	173.0	878	19.71			
	155.3	752	20.65			
	137.5	627	21.94			
	125.3 Min	502	24.99			
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	51.3	kW			
10	25.00  25.00  15.00  15.00  15.00  15.00  Capacity (ACFM)  Note: Graph is only a visual representation of Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm incret X-Axis Scale, 0 to 25% over maximus	nents if necessary above 35	0 1000 1050			

\*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: <a href="www.cagi.org">www.cagi.org</a>

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
$\underline{m}^3 / \underline{min}$	ft3 / min	%	%	
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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