



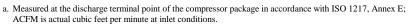
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR									
1	Manufacturer: Kais	han Compressor l	USA						
	Model Number: KRS	SP-250-125 VSD		Date:	12/02/22				
2	X Air-cooled	Water-cooled		Type:	Screw				
	X Lubricated	Oil Free		# of Stages:	1				
3*		ull Load Operating Pressure		psig ^b					
4	Drive Motor Nominal Rating		250	hp					
5	Drive Motor Nominal Efficiency		96.2	percent					
6	Fan Motor Nominal Rating (if applicable)		7.5 &1.5	hp					
7	Fan Motor Nominal Efficiency		87.5 & 91.0	percent					
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d					
	220.1		1164	18.91					
8*	151.9		815	18.64					
	132.1		698	18.93					
	110.1		582	18.92					
	88.0		466	18.88					
9*	Total Package Input Power at Zero Flow c, d		0.0	kW					
10	Isentropic Efficiency		80.03	%					
11	35.00 30.00 30.00 White bound of the state o								
	0	200 400	600 800 Capacity (ACFM)	1000	200 1400				
	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								

*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



- 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.



	olume Flow Rate pecified conditions	Volume Flow Rate	Specific Energy Consumption	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	17 1070
Above 15	Above 529.7	+/- 4	+/- 5	

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