



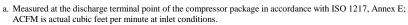
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR								
1	Manufacturer: Kais	han Compressor l	JSA					
	Model Number: KR	SP2-250-100 VSD		Date:	07/12/21			
2	X Air-cooled Water-cooled		Type:		Screw			
	X Lubricated	Oil Free		# of Stages:	2			
3*	Full Load Operating Pressure b		100	psig <sup>b</sup>				
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				
8*	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>				
	215.7		1387	15.55				
	153.1		971	15.77				
	133.7		832	16.07				
	114.3		694	16.47				
	92.7		555	16.70				
9*	Total Package Input Power at Zero Flow c, d		0.0	kW				
10	Isentropic Efficiency		83.40	%				
11	35.00 30.00 30.00 25.00 25.00 20.00 15.00 0	200 400	600 800 1000	1200	1400 1600			
	Capacity (ACFM)  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: <a href="www.cagi.org">www.cagi.org</a>

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.



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	Zero Flow Power
$\underline{m}^3 / \underline{min}$	ft <sup>3</sup> / 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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