



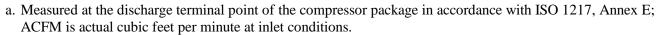
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

	Mo	ODEL DATA - FO	OR COMPRESSED	AIR	
1	Manufacturer: Kais	shan Compressor	USA		
	Model Number: KR	SP2-500-125 VSD		Date:	07/12/21
2	X Air-cooled	Water-cooled		Type:	Screw
	X Lubricated _	Oil Free		# of Stages:	2
3*	Full Load Operating Pressu	re ^b 125		psig b	
4	Drive Motor Nominal Rating		500	hp	
5	Drive Motor Nominal Efficiency		96.2	percent	
6	Fan Motor Nominal Rating (if applicable) 3(4)		3(4)	hp	
7	Fan Motor Nominal Efficie	ency	89.5	percent	
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d	
	437.1		2655	16.46	
8*	310.3		1859	16.69	
	271.0		1593	17.01	
	231.7		1328	17.45	
	188.0		1062	17.70	
9*	Total Package Input Power at Zero Flow c, d		0.0	kW	
10	Isentropic Efficiency		89.01	%	
11	35.00 30.00 25.00 25.00 15.00 10.00 0	Note: Graph is only a v Note: Y-Axis Scale, 10 to 35,	Capacity (ACFM) isual representation of the data in the standard in the standa	2000 250 Section 8 sary above 35	00 3000

*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.



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power	
$\underline{m}^3 / \underline{\min}$	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		

ROT 031.2

12/19 R3

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.