



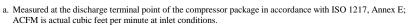
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Kais	nan Compressor l	JSA				
	Model Number: KRS	P-500-125 VSD		Date:	02/07/21		
2	X Air-cooled Water-cooled			Type:	Screw		
	X Lubricated	Oil Free		# of Stages:	1		
3*	Full Load Operating Pressure		125	psig			
4	Drive Motor Nominal Rati		500	hp			
5	Drive Motor Nominal Efficiency		96.2	percent			
6	Fan Motor Nominal Rating	an Motor Nominal Rating (if applicable) an Motor Nominal Efficiency		hp			
7	Fan Motor Nominal Effici	ency	89.5	percent			
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d			
	439.1		2208	19.89			
8*	289.8	289.8			19.03		
	210.8		1060	19.89			
	171.2	171.2			20.41		
	109.8		486		22.59		
9*	Total Package Input Power at Zero Flow c, d		0.0	kW			
10	Isentropic Efficiency		76.95	<u>%</u>			
11	35.00						
	25.00	500	1000 1500	2000	2500		
	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: www.cagi.org

NOTES



- ACFM is actual cubic feet per minute at inlet conditions.

 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 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	

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.