



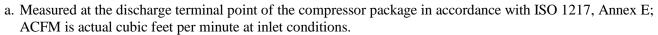
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR									
1	Manufacturer: Kaishan Compressor USA								
	Model Number: KRSP-500-125 VSD			Date:	02/07/21				
2	X Air-coo	oled Water-cooled		Type:	Screw				
	X Lubrica	ated Oil Free		# of Stages:	1				
3*	Full Load Operating Pressure b		125	psig b					
4	Drive Motor Nominal Rating		500	hp					
5	Drive Motor Nominal Efficiency		96.2	percent					
6	Fan Motor Nomi	nal Rating (if applicable)	3(4)	hp					
7	Fan Motor Nomi	nal Efficiency	89.5	percent					
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d					
	439.1		2208	19.89					
	289.8		1523	19.03					
	210.8		1060	19.89					
	171.2		839	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	%					
11	Specific Power (kW/100 ACFM)	Note: Y-Axis Scale, 10 to 3	1000 1500 Capacity (ACFM) visual representation of the data in \$5, + 5kW/100acfm increments if necessle, 0 to 25% over maximum capacity		2500				

*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
$\underline{\mathbf{m}^3 / \mathbf{min}}$	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	1/- 10/0
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.