



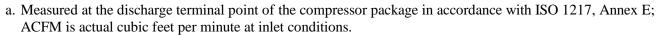
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR											
1	Manufacturer:	Kaisha	an Compress	or USA							
	Model Number:	KRSP	-500-100 VSD			Date:	02/07/21				
2	X Air-coo	oled	Water-cooled			Type:	Screw				
	X Lubrica	ited	Oil Free			# of Stages:	1				
3*	Full Load Operating Pressure ^b				100	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)	hp					
7	Fan Motor Nominal Efficiency				89.5	percent					
8*	Input Power (kW)			Capa	acity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d					
	434.1				2429	17.87					
	286.5				1676	17.09					
	208.4				1166	17.87					
	169.3				923	18.34					
	108.5		,		534	20.32					
9*	Total Package Input Power at Zero Flow c, d				0.0	kW					
10	Isentropic Efficiency				75.77	%					
11	Specific Power (kW/100 ACFM)	35.00 30.00 25.00 20.00 10.00 0	ote: Y-Axis Scale, 10	to 35, + 5kW/100a		Section 8	500 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.

viember	
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

· ·	olume Flow Rate	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

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.