



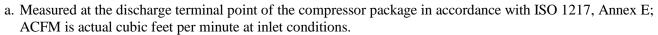
Federal Uniform Test Method for Certain Air Compressors Not Applicable

**Rotary Compressor: Variable Frequency Drive** 

MODEL DATA - FOR COMPRESSED AIR								
1	Manufacturer: Kaishan Compressor USA							
	Model Number:	KRSP2-450-100 VSD		Date:	07/12/21			
2	X Air-cool	ed Water-cooled		Туре:	Screw			
	X Lubricat	ed Oil Free		# of Stages:	2			
3*	Full Load Operati	nd Operating Pressure b		psig b				
4	Drive Motor Nom	inal Rating	450	hp				
5	Drive Motor Nominal Efficiency		96.2	percent				
6	Fan Motor Nomin	al Rating (if applicable)	15&4	hp				
7	Fan Motor Nomin	al Efficiency	91.7&89.1	percent				
8*	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>				
	401.5		2652	15.14				
	329.2		2122	15.51				
	285.1		1856	15.36				
	212.8		1326	16.05				
	172.6		1061	16.27				
9*	Total Package Input Power at Zero Flow c, d		0.0	kW				
10	Isentropic Efficier	sentropic Efficiency		%				
11	Specific Power (kW/100 ACFM)	Note: Graph is only a view Note: Y-Axis Scale, 10 to 35,	Capacity (ACFM) sual representation of the data in \$\frac{1}{2}\$ + \$5kW/100acfm increments if neces 0 to 25% over maximum capacity	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: <a href="https://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	No Load / 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		
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.