



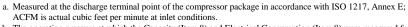
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

	МО	DEL DATA - FO	OR COMPRESSED	) AIR				
1	Manufacturer: Kaishan Compressor USA							
	Model Number: KRS	P2-600-125 VSD		Date:	07/12/21			
2	X Air-cooled Water-cooled			Type:	Screw			
	X Lubricated	Oil Free		# of Stages:	2			
3*	Full Load Operating Press	ure <sup>b</sup>	125	psig <sup>b</sup>				
4	Drive Motor Nominal Rating		600	hp				
5	Drive Motor Nominal Efficiency		96.2	percent				
6	Fan Motor Nominal Rating (if applicable)		3(4)	hp				
7	Fan Motor Nominal Effici	ency	89.5	1				
	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>				
	538.4		3074	17.51				
8*	382.3		2152	17.76				
	333.8		1844	18.10				
	285.4		1537	18.57				
	231.5		1230	18.82				
9*	Total Package Input Power at Zero Flow c, d		0.0	kW				
10	Isentropic Efficiency		83.66	%				
	35.00							
	Specific Power (kW/100 A C/FM) 20.00							
11	8 y 2000				_			
	15.00							
	10.00	500 1000	1500 2000	2500 300	00 3500			
	Capacity (ACFM)  Note: Graph is only a visual representation of the data in Section 8							
	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: <a href="www.cagi.org">www.cagi.org</a>





 $b. \ The \ operating \ pressure \ at \ which \ the \ Capacity \ (Item\ 8) \ and \ Electrical \ Consumption \ (Item\ 8) \ were \ measured \ for \ this \ data \ sheet.$ 

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.



Member

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	Zero Flow Power
$\underline{\mathbf{m}}^3 / \underline{\mathbf{min}}$	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	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.