



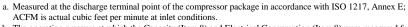
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR								
1	Manufacturer: Kaish	fanufacturer: Kaishan Compressor USA						
	Model Number: KRSP-300-125 VSD			Date:	12/02/22			
2	X Air-cooled Water-cooled			Type: Screw				
	X Lubricated	Oil Free		# of Stages:	1			
3*	Full Load Operating Pressure b		125		psig <sup>b</sup>			
4	Drive Motor Nominal Rating		300	hp				
5	Drive Motor Nominal Efficiency		96.2		percent			
6	Fan Motor Nominal Rating (if applicable)		7.5 &1.5		hp			
7	Fan Motor Nominal Efficiency		87.5 & 91.0		percent			
	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>				
	276.3		1395	19.81				
8*	182.9		977		18.72			
	159.9		837	-	19.10			
	133.1		698	-	19.07			
	108.2		558	-	19.39			
9*	Total Package Input Power at Zero Flow c, d		0.0		kW			
10	Isentropic Efficiency		78.43		%			
11	35.00							
	25.00	200 400	600 800 1000 Capacity (ACFM)	1200	1400 1600			
	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							

\*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.



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	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	1/- 10/0	
Above 15	Above 529.7	+/- 4	+/- 5		

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