



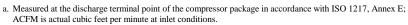
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR									
1	Manufacturer: Kaishan Compressor USA								
	Model Number:	KRSP	-400-125 VSD		Date:	12/02/22			
2	X Air-co	oled	Water-cooled		Type: Screw				
	X Lubric	ated	Oil Free		# of Stages:	1			
3*	Full Load Operating Pressure			125		psig ^b			
4	Drive Motor Nominal Rating			400	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)			Capacity (acfm) ^{a,d}		Specific Power (kW/100 acfm) ^d			
	367.5			1747		21.04			
	242.6			1223	19.84				
	213.2			1048	20.34				
	176.4			874		20.18			
	143.3			699	20.50				
9*	Total Package Input Power at Zero Flow c, d			0.0	kW				
10	Isentropic Efficiency			74.02	%				
11	Specific Power (RW/100 ACEM)	35.00							
		25.00							
		15.00							
		10.00	200 400 600	800 1000 1200	1400 1600	1800 2000			
	Capacity (ACFM)								
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: 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.



	olume Flow Rate	Volume Flow Rate	Specific Energy Consumption	Zero Flow Power
$\underline{m}^3 / \underline{min}$	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	17 1070
Above 15	Above 529.7	+/- 4	+/- 5	

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