



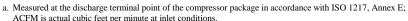
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

	МО	DEL DATA - FO	OR COMPRESSEI) AIR				
1	Manufacturer: Kaishan Compressor USA							
	Model Number: KRS	P2-500-100 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 ^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)		20	hp				
7	Fan Motor Nominal Effici	ency	89.5	percent				
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d				
	440.1		2947	14.93				
8*	306.1		2036	15.03				
	264.8		1730	15.31				
	220.3		1391	15.84				
	174.0		1099	15.83				
9*	Total Package Input Power at Zero Flow c, d		0.0	kW				
10	Isentropic Efficiency		87.32	%				
11	35.00							
	Specific Power (kW/100 ACFM) 20.00							
	15.00	_						
	10.00 + 0	500 1000	1500 2000	2500 300	00 3500			
	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 necess 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



- ACFM is actual cubic feet per minute at inlet conditions.

 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 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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