



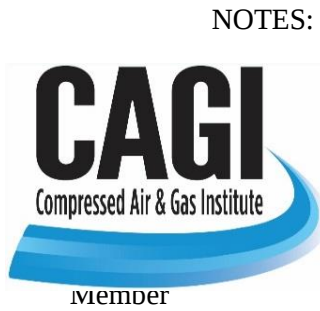
COMPRESSOR DATA SHEET

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			
2	Model Number: KRSP2-250-100 VSD		Date:	07/12/21
	☒ Air-cooled ☐ Water-cooled	Type:	Screw	
	☒ Lubricated ☐ Oil Free	# of Stages:	2	
3*	Full Load Operating Pressure ^b		100	psig ^b
4	Drive Motor Nominal Rating		250	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
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	215.7		1387	15.55
	153.1		971	15.77
	133.7		832	16.07
	114.3		694	16.47
	92.7		555	16.70
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0	kW
10	Isentropic Efficiency		83.40	%
11	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:
- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; 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	No Load / Zero Flow Power
<u>m³ / min</u>	<u>ft³ / min</u>			
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

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