

COMPRESSOR DATA SHEET

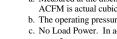
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR									
1	Manufacturer: Kaishan Compressor USA								
	Model Number: KRSP2-400-125 VSD			Date:	07/12/21				
2	X Air-cooled	Water-cooled		Type:	Screw				
	X Lubricated Oil Free			# of Stages:	2				
3*	Full Load Operating Pressure ^b		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)		15&4	hp					
7	Fan Motor Nominal Efficiency		91.7&89.1	percent					
	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d					
	368.4		2179	16.91					
8*	302.1		1743	17.33					
	261.6		1525	17.15					
	195.3		1090	17.92					
	158.4		872	18.17					
9*	Total Package Input Power at Zero Flow c, d		0.0	kW					
10	Isentropic Efficiency		86.66		%				
11	35.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 — 30.00 —	Note: Graph is only a vi	1000 1500 Capacity (ACFM) sual representation of the data in		2500				
		+ 5kW/100acfm increments if neces 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





- 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.

Member

Compressed Air & Gas Institute

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

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.