



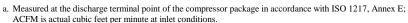
Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR								
1	Manufacturer:	Kaishan Compressor l	JSA					
	Model Number:	KRSP-400-100 VSD		Date:	12/02/22			
2	X Air-coole	ed Water-cooled		Type:	Screw			
	X Lubricate	ed Oil Free		# of Stages:	1			
3*	Full Load Operating Pressure		100		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				
	367.0		2047	17.93				
	242.2		1433	16.90				
	212.9		1228	17.34				
	176.2		1024	17.21				
	143.1		819	17.47				
9*	Total Package Input Power at Zero Flow c, d		0.0	kW				
10	Isentropic Efficiency		76.86	%				
11	35.00 30.00 30.00 25.00 20.00 20.00	.00						
	15	.00						
	10	0 500	1000 1500	2000	2500			
	Capacity (ACFM) Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW1/00acfm 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



- 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.



	olume Flow Rate pecified conditions	Volume Flow Rate	Specific Energy Consumption	Zero Flow Power
m ³ /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.