

**COMPRESSOR DATA SHEET**

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Kaishan Compressor USA		
2	Model Number: KPE-900-190 VSD	Date: 01/08/26	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: Screw	
		# of Stages: 2	
3*	Full Load Operating Pressure ^b	100	psig ^b
4	Drive Motor Nominal Rating	200	hp
5	Drive Motor Nominal Efficiency	97.1	percent
6	Fan Motor Nominal Rating (if applicable)	3	hp
7	Fan Motor Nominal Efficiency	89.3	percent
8*	Input Power (kW)	Capacity (acfpm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	165.0	652	25.31
	140.4	552	25.44
	115.7	452	25.61
	92.7	354	26.16
	69.6	257	27.09
9*	Total Package Input Power at Zero Flow ^{c,d}	0.0	kW
10	Isentropic Efficiency	51.37	%
11	<p>Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfmin increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity</p>		

*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:

- 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.
- The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet.
- 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.
- 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

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / 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	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	+/- 10%
Above 15	Above 529.7	+/- 4	+/- 5	

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