



# 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: <b>Kaishan Compressor USA</b>		
2	Model Number: <b>KPE-900-190 VSD</b>		Date: <b>01/08/26</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	<b>Screw</b>
	# of Stages: <b>2</b>		
3*	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>200</b>	hp
5	Drive Motor Nominal Efficiency	<b>97.1</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>3</b>	hp
7	Fan Motor Nominal Efficiency	<b>89.3</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	165.0	<b>652</b>	<b>25.31</b>
	140.4	<b>552</b>	<b>25.44</b>
	115.7	<b>452</b>	<b>25.61</b>
	92.7	<b>354</b>	<b>26.16</b>
	69.6	<b>257</b>	<b>27.09</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		<b>0.0</b> kW
10	Isentropic Efficiency		<b>51.37</b> %
11	<p>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</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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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	

ROT 031.1