



## 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>Hertz Kompressoren</b>		
2	Model Number: <b>IMPETUS VSD 200</b>	Date: <b>03/07/23</b>	
2	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type: <b>Screw</b>	
2	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages: <b>2</b>	
3	Rated Operating Pressure	<b>100</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>270</b>	hp
5	Drive Motor Nominal Efficiency	<b>97</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>7.0 / 3.0</b>	hp
7	Fan Motor Nominal Efficiency	<b>88 / 84</b>	percent
8*	Input Power (kW)	Capacity (acfpm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	253.3	Max	<b>16.71</b>
	212.7		<b>16.41</b>
	175.1		<b>16.35</b>
	137.0		<b>16.00</b>
	103.0		<b>16.19</b>
	70.2	Min	<b>17.14</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	<b>36.6</b>	kW
10	Isentropic Efficiency	<b>79.5</b>	Percent
11	<p style="text-align: center;">Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acf 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:

- 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

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / min</u>	%	%	%
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	