

## **COMPRESSOR DATA SHEET**

## In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors Rotary Compressor: Variable Frequency Drive

Manufacturer:  Model Number:  Air-cooled	Hertz Kompressoren IMPETUS VSD 200		
	IMPETUS VSD 200	I	
Air-cooled		Date:	04/25/23
l	X Water-cooled	Type:	Screw
X Oil-injected	Oil-free	# of Stages:	2
Rated Operating Pressure		125	psig <sup>b</sup>
Drive Motor Nominal Rating		270	hp
Drive Motor Nominal Efficiency		97	percent
Fan Motor Nominal Rating (if applicable)		N/A	hp
Fan Motor Nominal Efficiency		N/A	percent
Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
255.3	Max	1404.3	18.18
216.1		1205.2	17.93
181.9		1001.8	18.16
144.6		809.1	17.88
110.9	110.9		18.23
78.6 Min		402.9	19.51
Total Package Input Power at Zero Flow <sup>c, d</sup>		36.6	kW
Isentropic Efficiency		82.6	Percent
30.00 T 25.00 25.00 20.00 30.0	Capacit  Note: Graph is only a visual rep  Note: Y-Axis Scale, 10 to 35, + 5kW/	y (ACFM) resentation of the data in Section 00acfm increments if necessary ab	
	Rated Operating Pressur Drive Motor Nominal R Drive Motor Nominal E Fan Motor Nominal Eff Input Po  255.3 216.1 181.9 144.6 110.9 78.6 Total Package Input Por Isentropic Efficiency  30.00 25.00 15.00	Rated Operating Pressure  Drive Motor Nominal Rating  Drive Motor Nominal Efficiency  Fan Motor Nominal Efficiency  Input Power (kW)  255.3 Max  216.1  181.9  144.6  110.9  78.6 Min  Total Package Input Power at Zero Flow <sup>c, d</sup> Isentropic Efficiency   Solution 15.00  Note: Graph is only a visual report of the Note: Y-Axis Scale, 10 to 35, + 5kW/Interval Scale, 10 to 35, + 5kW/In	Rated Operating Pressure   125

<sup>\*</sup>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: <a href="www.cagi.org">www.cagi.org</a>

- 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

Vo	olume Flow Rate		Specific Energy	
at sp	pecified conditions	Volume Flow Rate	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	+/- 10%
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

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12/19 Rev 3 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