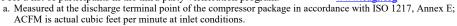


## **COMPRESSOR DATA SHEET**

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

MODEL DATA - FOR COMPRESSED AIR								
1	Manufacturer:	Hertz Kompressoren						
	Model Number:	IMPETUS VSD 90	Date:	04/25/23				
2	Air-cool	ed X Water-cooled	Type:	Screw				
	X Oil-injected Oil-free		# of Stages:	2				
3	Rated Operating Pre	ssure	150	psig <sup>b</sup>				
4	Drive Motor Nomina	Orive Motor Nominal Rating		hp				
5	Drive Motor Nomina	ve Motor Nominal Efficiency		percent				
6	Fan Motor Nominal Rating (if applicable)		N/A	hp				
7	Fan Motor Nominal	Fan Motor Nominal Efficiency		percent				
	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>				
	109.3 Max		549.0	19.90				
	94.0		478.3	19.65				
8*	79.8		398.3	20.03				
	68.1		327.2	20.82				
	54.8		252.5	21.70				
	41.5 Min		178.5	23.23				
9*	Total Package Input	Power at Zero Flow <sup>c, d</sup>	14.1	kW				
10	Isentropic Efficiency	entropic Efficiency		Percent				
11	30.0 25.0 8 Specific Power 20.0 15.0	00	city (ACFM) epresentation of the data in Section					
		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						

\*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>



- 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			Specific Energy	
at specified 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	