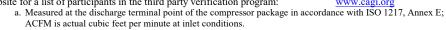


## **COMPRESSOR DATA SHEET**

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 200	Date:	03/07/23				
X Air-cooled Water-cooled	Туре:	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)	7.0 / 3.0	hp				
Fan Motor Nominal Efficiency	88 / 84	percent				
Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>				
259.5 Max	1404.3	18.48				
219.6	1205.2	18.22				
184.9	1001.8	18.45				
147.0	809.1	18.17				
112.7	608.5	18.53				
79.9 Min	402.9	19.82				
Total Package Input Power at Zero Flow <sup>c, d</sup>	36.6	kW				
Isentropic Efficiency	81.3	Percent				
_	epresentation of the data in Section					
	Manufacturer:  Model Number:  IMPETUS VSD 200  X Air-cooled  Water-cooled  X Oil-injected Oil-free  Rated Operating Pressure  Drive Motor Nominal Rating Drive Motor Nominal Efficiency  Fan Motor Nominal Efficiency  Input Power (kW)  259.5 Max 219.6 184.9 147.0 112.7 79.9 Min  Total Package Input Power at Zero Flow <sup>c, d</sup> Isentropic Efficiency  30.00 25.00  15.00  Note: Graph is only a visual reference of the content of the	Manufacturer:         Hertz Kompressoren           Model Number:         IMPETUS VSD 200         Date:           X         Air-cooled         Water-cooled         Type:           X         Oil-injected         Oil-free         # of Stages:           Rated Operating Pressure         125           Drive Motor Nominal Rating         270           Drive Motor Nominal Efficiency         97           Fan Motor Nominal Efficiency         88 / 84           Input Power (kW)         Capacity (acfm) <sup>a,d</sup> 259.5         Max         1404.3           219.6         1205.2           184.9         1001.8           147.0         809.1           112.7         608.5           79.9         Min         402.9           Total Package Input Power at Zero Flow <sup>c, d</sup> 36.6           Isentropic Efficiency         81.3				

\*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



- 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

NOTES:

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	

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.