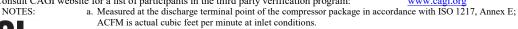


COMPRESSOR DATA SHEET

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 Kompressor	n					
	Model Number: IMPETUS VSD 31	Date:	03/07/23				
2	X Air-cooled Water-cooled	Туре:	Screw				
	X Oil-injected Oil-free	# of Stages:	2 psig ^b				
3	Rated Operating Pressure	erating Pressure 175					
4	Drive Motor Nominal Rating	425	hp				
5	Drive Motor Nominal Efficiency	96.7	percent				
6	Fan Motor Nominal Rating (if applicable)	10.0 / 3.0	hp				
7	Fan Motor Nominal Efficiency	84 / 89	percent				
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d				
	363.5 N	1639.8	22.17				
	314.7	1415.2	22.24				
8*	272.9	1222.6	22.32				
	227.1	1005.0	22.60				
	-	-	-				
	- N	in _	-				
9*	Total Package Input Power at Zero Flow ^{c, d}	73.0	kW				
10	Isentropic Efficiency	80.8	Percent				
11	C Note: Graph is only a vist Note: Y-Axis Scale, 10 to 35, +	1050 1200 1350 1500 1650 1800 Dacity (ACFM) I representation of the data in Secti KW/100acfm increments if necessary 25% over maximum capacity	on 8				

*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

Volume Flow Rate			Specific Energy	<u> </u>
at sp	pecified conditions	Volume Flow Rate	Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / 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.