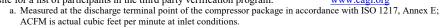


## **COMPRESSOR DATA SHEET**

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

	MODEL DATA - FOR COM		
1	Manufacturer: Hertz Kompressoren		
	Model Number: IMPETUS VSD 315	Date:	03/07/23
2	X Air-cooled Water-cooled	Type:	Screw
	X Oil-injected Oil-free	# of Stages:	2
3	Rated Operating Pressure	125	psig <sup>b</sup>
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) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	390.4 Max	2067.4	18.89
[	333.7	1800.4	18.53
8*	273.9	1484.7	18.45
	219.1	1191.2	18.39
	162.3	879.8	18.45
	115.5 Min	587.7	19.66
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	73.0	kW
10	Isentropic Efficiency	79.6	Percent
11			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



- ACTM is actual cutoff eet per limite at finet conditions.

  The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet.

  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:

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	

ROT 031.1 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.