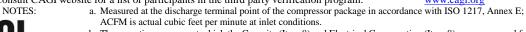


## **COMPRESSOR DATA SHEET**

## 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		
2	Model Number: IMPETUS VSD 37	Date:	12.18.23
	Air-cooled X 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	50	hp
5	Drive Motor Nominal Efficiency	96,1	percent
6	Fan Motor Nominal Rating (if applicable)	N/A	hp
7	Fan Motor Nominal Efficiency	N/A	percent
Oth	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	43,0 Max	241,9	17,79
	36,7	198,5	18,48
8*	31,6	170,9	18,51
	25,1	131,4	19,09
	19,3	98,9	19,56
	14,0 Min	60,7	23,01
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	5,6	kW
10	Isentropic Efficiency	84,4	Percent
11	25,000 25,000 25,000 20		
	Note: Graph is only a visual rep Note: Y-Axis Scale, 10 to 35, + 5kW/l		

\*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:



- 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

Vo	lume Flow Rate		Specific Energy	
at sp	ecified conditions	Volume Flow Rate	Consumption	No Load / Zero Flow Power
$\underline{m}^3 / \underline{min}$	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	