

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			
2	Model Number:	IMPETUS VSD 37		Date:	12.18.23
	<input type="checkbox"/> Air-cooled	<input checked="" type="checkbox"/> Water-cooled	Type:		Screw
	<input checked="" type="checkbox"/> Oil-injected	<input type="checkbox"/> Oil-free	# of Stages:	2	
3	Rated Operating Pressure	125		psig ^b	
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	
8*	Input Power (kW)		Capacity (acfm) ^{a,d}		Specific Power (kW/100 acfm) ^d
	43,0 Max		241,9		17,79
	36,7		198,5		18,48
	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 ^{c,d}		5,6		kW
10	Isentropic Efficiency		84,4		Percent
11	<p style="text-align: center; font-size: small;"> 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 </p>				

*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

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions.
- 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 at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	