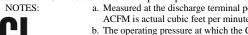


## **COMPRESSOR DATA SHEET**

## 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 55	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	75	hp		
5	Drive Motor Nominal Efficiency	96,8	percent		
6	Fan Motor Nominal Rating (if applicable)	N/A	hp		
7	Fan Motor Nominal Efficiency	N/A	percent		
	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>		
	63,6 Max	369,4	17,21		
	54,3	318,5	17,03		
8*	44,4	260,3	17,06		
	36,0	203,4	17,68		
	27,2	152,9	17,79		
	19,4 Min	92,2	21,10		
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	kage Input Power at Zero Flow <sup>c, d</sup> 6,7 kW			
10	Isentropic Efficiency	87,3	Percent		
11					
	Note: Graph is only a visual rep Note: Y-Axis Scale, 10 to 35, + 5kW/1	Capacity (ACFM)  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			

\*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:



- 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.

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Vo	olume Flow Rate		Specific Energy	
at specified 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	

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