

## **COMPRESSOR DATA SHEET**

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

1 Manufa	acturer:	Hertz Kompressoren		
Model	Number:	IMPETUS VSD 185	Date:	03/07/23
2 <b>X</b>	Air-cooled	Water-cooled	Type:	Screw
X	Oil-injected	Oil-free	# of Stages:	2
3 Rated 0	Operating Pressur	e	125	psig <sup>b</sup>
4 Drive N	Aotor Nominal Ra	ating	250	hp
5 Drive N	Aotor Nominal Ef	ficiency	96.7	percent
6 Fan Mo	otor Nominal Rati	ng (if applicable)	4.0 / 2.0	hp
7 Fan Mo	otor Nominal Effi	ciency	86 / 83	percent
	Input Pov	ver (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	232.0	Max	1227.5	18.90
0.1	190.4		1041.1	18.29
8*	156.7		854.3	18.34
	124.3		667.4	18.63
	92.2		480.6	19.19
	59.6	Min	293.8	20.28
9* Total P	ackage Input Pow	ver at Zero Flow <sup>c, d</sup>	24.3	kW
10 Isentrop	oic Efficiency		79.5	Percent
11	30.00 25.00 25.00 20.00 20.00 20.00 15.00			

te for a list of participants in the third party verification program: <u>www.cagi.org</u> a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; Consult CAGI website for a list of participants in the third party verification program: NOTES:



- 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			Specific Energy	
	at specified conditions		Volume Flow Rate	Consumption	No Load / Zero Flow Power
	$\underline{m}^3 / \underline{min}$	$ft^3 / min$	%	%	%
	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	1/- 10/0
ROT 031.1	Above 15	Above 529.7	+/- 4	+/- 5	