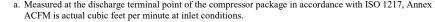


## **COMPRESSOR DATA SHEET**

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

1	Manufacturer:		Hertz Kompressorer	I		
	Model Number: IMPETUS VSD 185			Date:	03/07/23	
2	X Air-c	ooled	Water-cooled	Type:	Screw	
	X Oil-ir	ijected	Oil-free	# of Stages:	2	
3	Rated Operating	Pressure	;	150	psig <sup>b</sup>	
4	Drive Motor Non	ninal Ra	ting	250	hp	
5	Drive Motor Non	ninal Eff	îciency	96.7	percent	
6	Fan Motor Nomin	nal Ratir	ng (if applicable)	4.0 / 2.0	hp	
7	Fan Motor Nomin	nal Effic	iency	86 / 83	percent	
	In	put Pow	ver (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>6</sup>	
	225.9 Ma			x 1117.7	20.21	
0.*	191.0			951.7	20.07	
8*	158.3			785.8	20.14	
	127.9			619.8	20.63	
	97.2			453.8	21.42	
	66.5		Mi	n <b>287.8</b>	23.10	
9*	Total Package Inj	out Pow	er at Zero Flow <sup>c, d</sup>	24.3	kW	
10	Isentropic Efficient	ncy		81.9	Percent	
11	Specific Power ((W/100 ACFM)	30.00 25.00 20.00 15.00 10.00 0	Сар	acity (ACFM)	0 1200 1300 1400	
			Note: Y-Axis Scale, 10 to 35, + 5k		presentation of the data in Section 8 100acfm increments if necessary above 35 % over maximum capacity	

or 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:





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.

	Vc	lume Flow Rate		Specific Energy	
	at specified conditions		Volume Flow Rate	Consumption	No Load / Zero Flow Power
	$\underline{m^3 / \min}$	$ft^3 / min$	%	%	%
	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	+/- 1070
ROT 031.1	Above 15	Above 529.7	+/- 4	+/- 5	