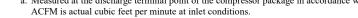


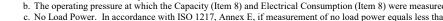
## **COMPRESSOR DATA SHEET**

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

1	Manufacturer:		Hertz Kompressoren		
	Model Number: IMPETUS VSD 160			Date:	03/07/23
2	X Air-c	ooled	Water-cooled	Type:	Screw
	X Oil-injected Oil-free			# of Stages:	2
3	Rated Operating	Pressure		125	$psig^b$
4	Drive Motor Non	rive Motor Nominal Rating			hp
5	Drive Motor Non	rive Motor Nominal Efficiency			percent
6	Fan Motor Nomir	nal Ratin	g (if applicable)	4.0 / 2.0	hp
7	Fan Motor Nominal Efficiency			86 / 83	percent
8*	Input Power (kW)			Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	206.1 Max			1090.5	18.90
	171.8			939.2	18.29
	142.1			775.0	18.34
	113.9			611.7	18.63
	86.6			451.2	19.18
	59.7 Min			294.3	20.27
9*	Total Package Inj	-	er at Zero Flow <sup>c, d</sup>	24.3	kW
10	Isentropic Efficien	ncy		79.5	Percent
11	Specific Power (kW/100 ACFM)	30.00 25.00 20.00 15.00 10.00 0	, , , , , , , , , , , , , , , , , , ,	0 700 800 900 1000 110 city (ACFM)	
			Note: Y-Axis Scale, 10 to 35, + 5kV	epresentation of the data in Sectio W/100acfm increments if necessary a 5% over maximum capacity	

Consult CAGI website for a list of participants in the third party verification program: 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; 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.

	Va	olume Flow Rate		Specific Energy	
	at specified conditions		Volume Flow Rate	Consumption	No Load / Zero Flow Power
	<u>m<sup>3</sup> / min</u>	$ft^3 / min$	%	%	%
	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	
OT 031.1 Above 15		Above 529.7	+/- 4	+/- 5	