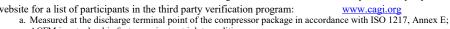


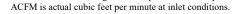
## **COMPRESSOR DATA SHEET**

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

	MODEL DATA - FOR CO	1 0	
1	Manufacturer: Hertz Kompressor	en	
2	Model Number: HVD 90	Date:	05.07.21
	X Air-cooled Water-cooled	Type:	Screw
	X Oil-injected Oil-free	# of Stages:	1
3	Rated Operating Pressure	100	psig <sup>b</sup>
4	Drive Motor Nominal Rating	125	hp
5	Drive Motor Nominal Efficiency	96,1	percent
6	Fan Motor Nominal Rating (if applicable)	3,82	hp
7	Fan Motor Nominal Efficiency	55,7	percent
	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	114,7 M	ax 620,1	18,50
0*	100,7	543,2	18,54
8*	87,8	468,1	18,76
	74,5	390,9	19,06
	60,6	310,8	19,50
	53,2 M	in <b>267,0</b>	19,93
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	18,1	kW
10	Isentropic Efficiency	71,9	Percent
11	30,00 25,00 25,00 20,00 20,00		
	15,00 10	CFM) entation of the data in Section 8	600 700

\*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:







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

	V	olume Flow Rate		Specific Energy	
	at specified conditions		Volume Flow Rate	Consumption	No Load / Zero Flow Power
	<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / min</u>	%	%	%
	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	
DT 031.1	Above 15	Above 529.7	+/- 4	+/- 5	
19 Rev 3 This form way	e developed by th	e Compressed Air and Gas Institute	for the use of its members n	articipating in the PVP_CAGI has	not independently verified the reported of

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