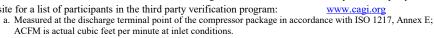


## **COMPRESSOR DATA SHEET**

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

MODEL DATA - FOR COMPRESSED AIR							
1 Manufacturer: Hertz Kompressoren							
Model Number: HVD 45	Date:	05.07.21					
X Air-cooled Water-cooled	Type:	Screw					
X Oil-injected Oil-free	# of Stages:	1					
Rated Operating Pressure	125	$psig^b$					
Drive Motor Nominal Rating	60	hp					
Drive Motor Nominal Efficiency	95	percent					
Fan Motor Nominal Rating (if applicable)	1,98	hp					
Fan Motor Nominal Efficiency	73,1	percent					
Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>					
61,6 Max	282,5	21,81					
54,0	243,4	22,19					
45,7	201,9	22,63					
38,0	166,5	22,82					
30,0	131,1	22,88					
19,8 Min	84,0	23,55					
Total Package Input Power at Zero Flow <sup>c, d</sup>	6,7	kW					
Isentropic Efficiency	68,9	Percent					
Capa Note: Graph is only a visual Note: Y-Axis Scale, 10 to 35, + 5k'	city (ACFM) representation of the data in Secti V/100acfm increments if necessary						
	Manufacturer: Hertz Kompressoren  Model Number: HVD 45  X Air-cooled Water-cooled X Oil-injected Oil-free  Rated Operating Pressure  Drive Motor Nominal Rating  Drive Motor Nominal Efficiency  Fan Motor Nominal Efficiency  Input Power (kW)  61,6 Max 54,0 45,7 38,0 30,0 19,8 Min  Total Package Input Power at Zero Flow <sup>c, d</sup> Isentropic Efficiency  Solution State of Solution State of Solution Solut	Manufacturer:   Hertz Kompressoren					

\*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

Compressed Air & Gas Institute

NOTES:

V	olume Flow Rate		Specific Energy	
at s	pecified conditions	Volume Flow Rate	Consumption	No Load / Zero Flow Power
m <sup>3</sup> /min	<u>ft³ / 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	
Above 15	Above 529.7	+/- 4	+/- 5	

ROT 031.1 12/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data