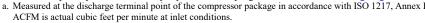


## **COMPRESSOR DATA SHEET**

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								
2	Model Number: HVD 160	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	220	hp					
5	Drive Motor Nominal Efficiency	96,6	percent					
6	Fan Motor Nominal Rating (if applicable)	7,64	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>					
	203,4 Ma	1158,3	17,56					
0.*	181,8	1027,6	17,69					
8*	165,6	920,2	18,00					
	134,5	745,1	18,05					
	111,0	602,1	18,44					
	92,3 Mi	468,3	19,71					
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	31,3	kW					
10	Isentropic Efficiency	75,7	Percent					
11	25,000							
	15,00  10,00  100  200  Capacity (AC  Note: Graph is only a visual represent  Note: Y-Axis Scale, 10 to 35, + 5kW/100acf  X-Axis Scale, 0 to 25% over	ation of the data in Section 8 n increments if necessary above 35	0 1000 1100 1200					

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator te for a list of participants in the third party verification program: <a href="www.cagi.org">www.cagi.org</a>
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.

Member

Volume Flow Rate			Specific Energy	
at specified conditions		Volume Flow Rate	Consumption	No Load / Zero Flow Power
m³/min	ft <sup>3</sup> / 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	
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