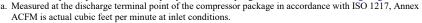


## **COMPRESSOR DATA SHEET**

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 Kompressor	en					
2	Model Number: HVD 110	Date:	05.07.21				
	X Air-cooled Water-cooled	Туре:	Screw				
	X Oil-injected Oil-free	# of Stages:	1				
3	Rated Operating Pressure	125	psig <sup>b</sup>				
4	Drive Motor Nominal Rating	150	hp				
5	Drive Motor Nominal Efficiency	96,3	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>				
	140,0 M	690,4	20,28				
O dt	121,6	594,0	20,46				
8*	104,3	508,5	20,51				
	86,2	419,2	20,56				
	68,5	331,9	20,62				
	51,1 N	in <b>242,1</b>	21,12				
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	17,5	kW				
10	Isentropic Efficiency	74,1	Percent				
11	25,00						
	Specific Power (KW/100 ACFM)						
	10,00 100 200 300 400 50	600 700 800 900	1000 1100 1200				
	Capacity (ACFM)						
	Note: Graph is only a visual repres Note: Y-Axis Scale, 10 to 35, + 5kW/100 X-Axis Scale, 0 to 25% or	cfm increments if necessary above 35					

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator ite 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

V	olume Flow Rate		Specific Energy	
at specified conditions		Volume Flow Rate	Consumption	No Load / Zero Flow Power
m <sup>3</sup> / 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