



## 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: <b>Hertz Kompressoren</b>			
2	Model Number: <b>HVD 110</b>		Date: <b>05.07.21</b>	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>	
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free		# of Stages: <b>1</b>	
3	Rated Operating Pressure		<b>100</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating		<b>150</b>	hp
5	Drive Motor Nominal Efficiency		<b>96,3</b>	percent
6	Fan Motor Nominal Rating (if applicable)		<b>3,82</b>	hp
7	Fan Motor Nominal Efficiency		<b>55,7</b>	percent
8*	Input Power (kW)		Capacity (acfpm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	141,4	Max	<b>733,4</b>	<b>19,28</b>
	118,2		<b>642,7</b>	<b>18,39</b>
	98,3		<b>541,7</b>	<b>18,15</b>
	79,1		<b>437,9</b>	<b>18,06</b>
	63,5		<b>338,5</b>	<b>18,76</b>
	46,3	Min	<b>245,4</b>	<b>18,87</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		<b>15,8</b>	kW
10	Isentropic Efficiency		<b>68,9</b>	Percent
11	<p>Specific Power (kW/100 ACFM)</p> <p>Capacity (ACFM)</p>			

\*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: [www.cagi.org](http://www.cagi.org)

## NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions.
- 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 at specified conditions		Specific Energy 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	
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.