

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 132	Date: 05.07.21	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	Type: Screw	
		# of Stages: 1	
3	Rated Operating Pressure	100	psig ^b
4	Drive Motor Nominal Rating	180	hp
5	Drive Motor Nominal Efficiency	96,4	percent
6	Fan Motor Nominal Rating (if applicable)	4,09	hp
7	Fan Motor Nominal Efficiency	55,7	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	165,8 Max	911,1	18,20
	142,8	776,9	18,38
	123,9	666,7	18,58
	100,9	531,0	19,00
	89,8	429,2	20,92
	64,7 Min	300,2	21,55
9*	Total Package Input Power at Zero Flow ^{c, d}		22,0 kW
10	Isentropic Efficiency	73,0	Percent
11	<div style="text-align: center;"> <p style="font-size: small; margin-top: 5px;"> Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity </p> </div>		

*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

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		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
$\frac{m^3}{min}$	$\frac{ft^3}{min}$	%	%	%
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	

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