

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 Kompre	essoren					
	Model Number:	HVD 15		Date:	05.07.21			
2		cooled Water-coo	led	Type:	Screw			
	X Oil-injected Oil-free		# of Stages:	1				
3	Rated Operating Pressure			100	psig ^b			
4	Drive Motor Nominal Rating			20	hp			
5	Drive Motor Nominal Efficiency			91,9	percent			
6	Fan Motor Nominal Rating (if applicable)			1,06	hp			
7	Fan Motor Nominal Efficiency			45,0	percent			
8*	Input Power (kW)			Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d			
	20,1	20,1 Max		91,8	21,90			
	17,6			79,8	22,02			
	15,4			68,9	22,36			
	12,7			56,4	22,43			
	9,8			41,8	23,44			
	7,2 Min		Min	28,4	25,18			
9*	Total Package Input Power at Zero Flow ^{c, d}			2,5	kW			
10	Isentropic Efficiency			60,7	Percent			
11	Specific Power (RW/100 ACFM)	35,00 30,00 25,00 20,00 15,00						
	0,0 25,0 Capac Note: Graph is only a visual re Note: Y-Axis Scale, 10 to 35, + 5kW			50,0 75,0 ity (ACFM) presentation of the data in Section 100acfm increments if necessary in the section of the data in Section 100acfm increments in the section of the data in Section 100acfm increments in the section of the data in Section 100acfm increments in the section 100acfm increments in the section 100acfm increments in the section 100acfm in the section				

*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: 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

Vo	olume Flow Rate		Specific Energy	
at sp	ecified conditions	Volume Flow Rate	Consumption	No Load / Zero Flow Power
m ³ / min	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	

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