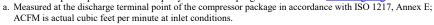


COMPRESSOR DATA SHEET

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors **Rotary Compressor: Variable Frequency Drive**

Air-cooled Water-cooled Type: Sc	MODEL DATA - FOR COMPRESSED AIR							
X	1	Manufacturer: Hertz Kompressoren						
X Oil-injected Oil-free		Model Number: HVD 22	Date:	05.07.21				
Rated Operating Pressure 100 p	2	X Air-cooled Water-cooled	Type:	Screw				
Drive Motor Nominal Rating 30		X Oil-injected Oil-free	# of Stages:	1				
S	3	Rated Operating Pressure	100	psig ^b				
Fan Motor Nominal Rating (if applicable) 1,66 7 Fan Motor Nominal Efficiency 50,5 pe Specific (kW/I0 28,9 Max 137,2 2 24,0 119,3 2 24,0 119,3 2 24,0 119,4 96,9 20 15,6 74,5 20 11,6 51,6 2 2 2 2 2 2 2 2 2	4	Drive Motor Nominal Rating	30	hp				
Fan Motor Nominal Efficiency So,5 Specific	5	Drive Motor Nominal Efficiency	93,7	percent				
Specific (kW) Capacity (acfim) ^{a,d} Specific (kW/10 28,9 Max 137,2 2 24,0 119,3 20 24,0 119,3 20 20 20 20 20 20 20 2	6	Fan Motor Nominal Rating (if applicable)	1,66	hp				
8* Capacity (acfm) ^{8,4} (kW/16 28,9 Max 137,2 2 24,0 119,3 2 19,4 96,9 20 15,6 74,5 20 11,6 51,6 2 7,2 Min 28,4 2 9* Total Package Input Power at Zero Flow ^{c, d} 2,5 1 10 Isentropic Efficiency 63,1 Pe	7	Fan Motor Nominal Efficiency	50,5	percent				
8*		Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d				
8* 19,4 96,9 21 15,6 74,5 21 11,6 51,6 22 7,2 Min 28,4 29* Total Package Input Power at Zero Flow ^{c, d} 10 Isentropic Efficiency 35,00 30,00 30,00 15,00 11,00		28,9 Max	137,2	21,06				
19,4 96,9 20 15,6 74,5 20 11,6 51,6 22 7,2 Min 28,4 22 9* Total Package Input Power at Zero Flow ^{c, d} 2,5 14 10 Isentropic Efficiency 63,1 Pe	٠. ا	24,0	119,3	20,08				
11,6 7,2 Min 28,4 29* Total Package Input Power at Zero Flow ^{c, d} 10 Isentropic Efficiency 35,00 30,00 30,00 15,00 15,00 10,00	8*	19,4	96,9	20,02				
7,2 Min 28,4 2: 9* Total Package Input Power at Zero Flow ^{c, d} 2,5 Isentropic Efficiency 63,1 Pe		15,6	74,5	20,91				
9* Total Package Input Power at Zero Flow ^{c, d} 10 Isentropic Efficiency 35,00 30,00 30,00 11 11		11,6	51,6	22,48				
10 Isentropic Efficiency 63,1 Pe		7,2 Min	28,4	25,35				
35,00 30,00 30,00 25,00 20,00 15,00	9*	Total Package Input Power at Zero Flow ^{c, d}	2,5	kW				
30,00 30,00 25,00 20,00 15,00 10,00	10	Isentropic Efficiency	63,1	Percent				
	11	30,00 30,00 25,00 10,00 10,00 10,00 25,0 50,0		125,0 150,0				
Capacity (ACFM) Note: Graph is only a visual representation of the data in Section 8			Capacity (ACFM) Note: Graph is only a visual representation of the data in Section 8					

*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:



- 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:

X-Axis Scale, 0 to 25% over maximum capacity

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
m ³ /min	<u>ft³/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