## **COMPRESSOR DATA SHEET**

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

## **Rotary Compressor: Fixed Speed**

1	Manufacturer: Hertz Kompressoren		
	Model Number: HDD 160	Date:	05.06.21
2	X Air-cooled Water-cooled	Type:	Screw
	X Oil-injected Oil-free	# of Stages:	1
	Rated Capacity at Full Load Operating		
3*	Pressure <sup>a, e</sup>	794,6	acfm <sup>a,e</sup>
4	Full Load Operating Pressure b	175	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	175 psig <sup>c</sup>	
6	Drive Motor Nominal Rating	220	hp
7	Drive Motor Nominal Efficiency	96,5	percent
8	Fan Motor Nominal Rating (if applicable)	7,64	hp
9	Fan Motor Nominal Efficiency	55,7	percent
10*	Total Package Input Power at Zero Flow <sup>e</sup>	65,2	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	191,6	$kW^d$
12*	Specific Package Input Power at Rated	24,1	kW/100 cfm <sup>e</sup>
	Capacity and Full Load Operating Pressure <sup>e</sup>	2791 	kw/100 chill
13	Isentropic Efficiency	74,3	Percent

NOTES:

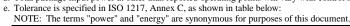
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a. Measured at the discharge terminal point of the compressor package in accordance with

ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions. b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.

c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.

- d. Total package input power at other than reported operating points will vary with control strategy.



Compressed Air & Gas Institute	Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
	<u>m<sup>3</sup> / min</u>	<u>ft3 / min</u>	%	%	
Member	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	
ROT 030.1	Above 15	Above 529.7	+/- 4	+/- 5	

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