

## **COMPRESSOR DATA SHEET**

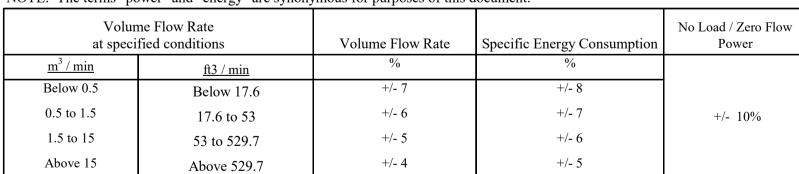
## In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR						
1	Manufacturer: Hertz Kompressoren					
	Model Number: IMPETUS 75	Date:	12.02.25			
2	X Air-cooled Water-cooled	Type:	Screw			
	X Oil-injected Oil-free	# of Stages:	2			
	Rated Capacity at Full Load Operating					
3*	Pressure a, e	497,9	acfm <sup>a,e</sup>			
4	Full Load Operating Pressure b	125	psig			
5	Maximum Full Flow Operating Pressure c	125	psig c			
6	Drive Motor Nominal Rating	100	hp			
7	Drive Motor Nominal Efficiency	96	percent			
8	Fan Motor Nominal Rating (if applicable)	N/A	hp			
9	Fan Motor Nominal Efficiency	N/A	percent			
10*	Total Package Input Power at Zero Flow	27,9	kW <sup>e</sup>			
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	90,0	$\mathrm{kW}^{\mathrm{d}}$			
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	18,07	kW/100 cfm <sup>e</sup>			
13	Isentropic Efficiency	83,1	Percent			

NOTES:

- 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.
- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.





ROT 030.1

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.

<sup>\*</sup>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: <a href="https://www.cagi.org">www.cagi.org</a>