

## **COMPRESSOR DATA SHEET**

Federal Uniform Test Method for Certain Air Compressors Not Applicable

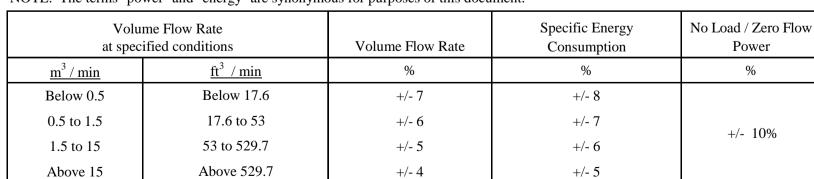
**Rotary Compressor: Fixed Speed** 

MODEL DATA - FOR COMPRESSED AIR				
1	Manufacturer: Kaishan Compressor USA			
	Model Number: KRSP2-500-150	Date:	7/12/2021	
2	Air-cooled X Water-cooled	Type:	Screw	
	X Oil-injected Oil-free	# of Stages:	2	
	Rated Capacity at Full Load Operating Pressure a,			
3*	e	2564.0	acfm <sup>a,e</sup>	
4	Full Load Operating Pressure b	150	psig	
5	Maximum Full Flow Operating Pressure <sup>c</sup>	150	psig	
6	Drive Motor Nominal Rating	500	hp	
7	Drive Motor Nominal Efficiency	96.2	percent	
8	Fan Motor Nominal Rating (if applicable)	2	hp	
9	Fan Motor Nominal Efficiency	84.1	percent	
10*	Total Package Input Power at Zero Flow	84.2	kW <sup>e</sup>	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	446.80	$kW^d$	
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	17.43	kW/100 cfm <sup>e</sup>	
13	Isentropic Efficiency	94.92	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.





Member

ROT 030.2

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:

www.cagi.org