

COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

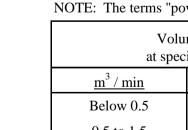
Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Kaishan Compressor USA						
	Model Number: KRSP-500-125	Date:	6/30/2020				
2	Air-cooled X Water-cooled	Type:	Screw				
	X Oil-injected Oil-free	# of Stages:	1				
	Rated Capacity at Full Load Operating Pressure ^{a,}						
3*	е	2175.0	acfm ^{a,e}				
4	Full Load Operating Pressure b	125	psig b				
5	Maximum Full Flow Operating Pressure ^c	125	psig c				
6	Drive Motor Nominal Rating	500	hp				
7	Drive Motor Nominal Efficiency	96.2	percent				
8	Fan Motor Nominal Rating (if applicable)	1	hp				
9	Fan Motor Nominal Efficiency	83.5	percent				
10*	Total Package Input Power at Zero Flow ^e	85.4	kW ^e				
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	388.30	kW^d				
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	17.85	kW/100 cfm ^e				
13	Isentropic Efficiency	84.13	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.



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
$\underline{\mathbf{m}^3 / \mathbf{min}}$	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 030.2

Member

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.

^{*}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