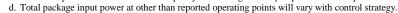
	Rotary Compressor: Fixe MODEL DATA - FOR COM					
Manufacturer: Kaishan Compressor USA						
2	Model Number: KRSP2-250-100	Date:	7/12/2021			
	Air-cooled X Water-cooled	Type:	Screw			
	X Oil-injected Oil-free	# of Stages:	2			
3*	Rated Capacity at Full Load Operating Pressure a, e	1446.0	acfm ^{a,e}			
4	Full Load Operating Pressure b	100	psig ^b			
5	Maximum Full Flow Operating Pressure ^c	100	psig ^c			
6	Drive Motor Nominal Rating	250	hp			
7	Drive Motor Nominal Efficiency	96.2	percent			
8	Fan Motor Nominal Rating (if applicable)	0.5	hp			
9	Fan Motor Nominal Efficiency	76.2	percent			
10*	Total Package Input Power at Zero Flow ^e	39.4	kW ^e			
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	214.60	kW^d			
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e	14.84	kW/100 cfm ^e			
13	Isentropic Efficiency	89.55	Percent			

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.



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



Member

ROT 030.2

NOTES:

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

	ne Flow Rate fied conditions	Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power	
$\underline{m^3 / \min}$	<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		

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.