Rotary Compressor: Fixed Speed MODEL DATA - FOR COMPRESSED AIR						
	Model Number: KRSP2-250-150	Date:	7/12/2021			
2	X Air-cooled Water-cooled	Type:	Screw			
	X Oil-injected Oil-free	# of Stages:	2			
	Rated Capacity at Full Load Operating Pressure a, e		2.0			
3*		1167.0	acfm <sup>a,e</sup>			
4	Full Load Operating Pressure <sup>b</sup>	150	psig <sup>b</sup>			
5	Maximum Full Flow Operating Pressure <sup>c</sup>	150	psig <sup>c</sup>			
6	Drive Motor Nominal Rating	250	hp			
7	Drive Motor Nominal Efficiency	96.2	percent			
8	Fan Motor Nominal Rating (if applicable)	7.5 & 2.0	hp			
9	Fan Motor Nominal Efficiency	91.0 & 87.5	percent			
10*	Total Package Input Power at Zero Flow <sup>e</sup>	39.4	kW <sup>e</sup>			
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	214.90	$k\mathbf{W}^{d}$			
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	18.41	kW/100 cfm <sup>e</sup>			
13	Isentropic Efficiency	89.82	Percent			

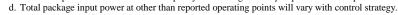
Consult CAGI website for a list of participants in the third party verification program: <u>www.cagi.org</u>

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.



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



Member

ROT 030.2

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

	me Flow Rate ified conditions	Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power	
$\underline{m^3 / \min}$	$\underline{\mathrm{ft}^3}$ / min	%	%	%	
Below 0.5	Below 17.6	+/- 7	+/- 8		
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	. / 100/	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	+/- 10%	
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.