



MODEL DATA - FOR COMPRESSED AIR					
1	Manufacturer: Kaishan Compressor USA				
2	Model Number: KRSP2-200-100 VSD			Date:	07/12/21
	☒ Air-cooled	☐ Water-cooled	Type:	Screw	
				# of Stages:	2
3*	Full Load Operating Pressure ^b		100	psig ^b	
4	Drive Motor Nominal Rating		200	hp	
5	Drive Motor Nominal Efficiency		95.4	percent	
6	Fan Motor Nominal Rating (if applicable)		5 & 1.5	hp	
7	Fan Motor Nominal Efficiency		89.5 & 87.5	percent	
8*	Input Power (kW)		Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d	
	183.2		1078	16.99	
	130.1		755	17.23	
	113.6		647	17.56	
	97.1		539	18.01	
	78.8		431	18.28	
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0	kW	
10	Isentropic Efficiency		76.28	%	
11	Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity				

NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet.
- c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
- d. Tolerance is specified in ISO 1217, Annex E, 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
m^3 / min	ft^3 / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	