Model Number:       KRSP2-250-100 VSD       Date:       07/12/21         2       X       Air-cooled       Water-cooled       Type:       Screw         X       Lubricated       Oil Free       # of Stages:       2         3*       Full Load Operating Pressure       b       100       psigb         4       Drive Motor Nominal Rating       250       hp         5       Drive Motor Nominal Rating (if applicable)       7.5 & \$1.5       hp         7       Fan Motor Nominal Efficiency       96.2       percent         6       Fan Motor Nominal Efficiency       96.2       percent         7       Fan Motor Nominal Efficiency       96.2       percent         8*       100.1       Specific Power       (kW/100 acfm) <sup>d</sup> 225.6       1450       15.56         9*       106.2       1015       15.78         119.6       725       16.50         97.0       580       16.72         9*       Total Package Input Power at Zero Flow <sup>c, d</sup> 0.0       kW         10       Isentropic Efficiency       83.32       %         For models that are tested in the CAGI Performance Verification Program, these items at section a State State 0: 5.5.5 %     <	1	Manufa	acturer.	Kaich	an Compressor l	ISA		
2       X       Air-cooled       Water-cooled       Type:       Screw         3*       Full Load Operating Pressure       0 01 Free       # of Stages:       2         3*       Full Load Operating Pressure       100       psig <sup>b</sup> 4       Drive Motor Nominal Rating       250       hp         5       Drive Motor Nominal Efficiency       96.2       percent         6       Fan Motor Nominal Efficiency       96.2       percent         7       Fan Motor Nominal Efficiency       96.2       percent         7       Fan Motor Nominal Efficiency       96.2       percent         8*       Input Power (kW)       Capacity (acfm) <sup>A,d</sup> Specific Power         100.2       1015       15.76       15.6         9*       106.2       1015       15.78         119.6       725       16.50       16.2         9*       Total Package Input Power at Zero Flow <sup>c, d</sup> 0.0       kW         10       Lemtropic Efficiency       83.32       %         For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator         Consult CAGI version a site of participants in the third party verification program: www.cagi.org					-	557	Date	07/12/21
Image: Second	2							
1     Lubricated     OIL Pree     # 01 Stages;     2       3*     Full Load Operating Pressure*     100     psight       4     Drive Motor Nominal Rating     250     hp       5     Drive Motor Nominal Rating (if applicable)     7.5 & 1.5     hp       6     Fan Motor Nominal Efficiency     87.5 & 91.0     percent       6     Fan Motor Nominal Efficiency     87.5 & 91.0     percent       7     Fan Motor Nominal Efficiency     87.5 & 91.0     percent       8*     Input Power (kW)     Capacity (acfm) <sup>4,d</sup> Specific Power       10     Less 1     15.56     1450     15.56       8*     185.0     1160     15.95     160.2     1015       11     19.6     725     16.50     97.0     880     16.72       9*     Total Package Input Power at Zero Flow <sup>C, d</sup> 0.0     kW     10       10     kentropic Efficiency     83.32     %     %       11     300     300     100     120     140     1600       12     300     300     100     120     140     1600       13.00     300     96     100     100     1600     1600       14.0     300     300     96	2							Screw
4     Drive Motor Nominal Rating     250     hp       5     Drive Motor Nominal Efficiency     96.2     percent       6     Fan Motor Nominal Efficiency     87.5 & 91.0     percent       7     Fan Motor Nominal Efficiency     87.5 & 91.0     percent       8     Input Power (kW)     Capacity (acfm) <sup>a,d</sup> Specific Power (kW/100 acfm) <sup>d</sup> 225.6     1450     15.56       8*     185.0     1160     15.95       100.2     1015     15.78       119.6     72.5     16.50       9*     Total Package Input Power at Zero Flow <sup>C, d</sup> 0.0     kW       10     Isentropic Efficiency     83.32     %       9*     Total Package Input Power at Zero Flow <sup>C, d</sup> 0.0     kW       10     Isentropic Efficiency     83.32     %       For models that are tested in the CAGI Performance Verification program, these items are verified by the third party edition Power 3 X-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 10 & 3.7 W/1000 in memore 3 A-X-M3 Sale, 1					- h		# of Stages:	2 . b
5     Drive Motor Nominal Efficiency     96.2     percent       6     Fan Motor Nominal Rating (if applicable)     7.5 & 1.5     hp       7     Fan Motor Nominal Efficiency     87.5 & 91.0     percent       8     Input Power (kW)     Capacity (acfm) <sup>a.d</sup> Specific Power (kW/100 acfm) <sup>d</sup> 225.6     1450     15.56       8*     185.0     1016     15.95       160.2     1015     15.78       119.6     72.5     16.50       97.0     580     16.72       9*     Total Package Input Power at Zero Flow <sup>c, d</sup> 0.0     kW       10     Isentropic Efficiency     83.32     %       11     500     500     100     120     100       120     500     500     100     120     100       11     500     500     100     120     100     100       11     500     500     500     100     120     100     100       120     500     500     500     100     120     100     100       11     500     500     500     100     120     100     100       120     500     500     500     500     500     500								
6       Fan Motor Nominal Rating (if applicable)       7.5 & 1.5       hp         7       Fan Motor Nominal Efficiency       87.5 & 91.0       percent         8*       Input Power (kW)       Capacity (acfm) <sup>0.d</sup> Specific Power (kW/100 acfm) <sup>d</sup> 8*       185.0       1160       15.56         19*       100.2       1015       15.78         119.6       725       16.50         97.0       580       16.72         9*       Total Package Input Power at Zero Flow <sup>C, d</sup> 0.0       kW         10       Isentropic Efficiency       83.32       %         11       100       15.00       100       100       100         15.0       15.0       10.0       100       100       100         10       Isentropic Efficiency       83.32       %       10       Isentropic Efficiency       83.32       %         Note: Crapticy ACPM								
7       Fan Motor Nominal Efficiency       87.5 & 91.0       percent         Input Power (kW)       Capacity (acfm) <sup>a,d</sup> Specific Power (kW/100 acfm) <sup>d</sup> 8*       185.0       1450       15.56         8*       185.0       1160       15.95         160.2       1015       15.78         119.6       725       16.50         9*       Total Package Input Power at Zero Flow <sup>c, d</sup> 0.0       kW         10       Isentropic Efficiency       83.32       %         11       1000       200       400       600       1000       1000       1000         10       Isentropic Efficiency       83.32       %       1000 <t< td=""><td></td><td></td><td></td><td></td><td>•</td><td></td><td colspan="2">· · · ·</td></t<>					•		· · · ·	
Input Power (kW)         Capacity (acfm) <sup>4.d</sup> Specific Power (kW/100 acfm) <sup>d</sup> 8*         225.6         1450         15.56           185.0         1160         15.95           160.2         1015         15.78           119.6         725         16.50           97.0         580         16.72           9*         Total Package Input Power at Zero Flow <sup>c, d</sup> 0.0         kW           10         Isentropic Efficiency         83.32         %           11         1500         25.00         100         1200         400         100           10         Isentropic Efficiency         83.32         %         10         Isentropic Efficiency         83.32         %           11         1000         200         400         60         90         100         1200         400         1600           1000         200         400         60         90         100         1200         400         1600           1000         200         400         60         90         100         1200         400         1600           1000         200         400         60         90         100         1200 </td <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>*</td>	-							*
8*       225.6       1450       15.56         8*       185.0       1160       15.95         160.2       1015       15.78         119.6       725       16.50         9*       Total Package Input Power at Zero Flow <sup>C, d</sup> 0.0       kW         10       Isentropic Efficiency       83.32       %         11       10       Isentropic Efficiency       10.0       Isentropic Efficiency       10.0         120       10.0       Isentropic Efficiency       20.0       Isentropic Efficiency       10.0         130       Isentropic Efficiency       20.0       Isentropic Efficiency       10.0       Isentropic Efficiency <td>,</td> <td colspan="3"></td> <td></td> <td></td> <td></td> <td>pecific Power</td>	,							pecific Power
8*       185.0       1160       15.95         160.2       1015       15.78         119.6       725       16.50         97.0       580       16.72         9*       Total Package Input Power at Zero Flow <sup>c, d</sup> 0.0       kW         10       Isentropic Efficiency       83.32       %         11       10       Isentropic Efficiency       83.52       %         11       10       Isentropic Efficiency       83.52       %         11       10       Isentropic Efficiency       83.52       %       %         11       10       Isentropic Efficiency       83.54       %       %       %         12       10.0       10.0       10.0			225.6			1450		
119.6       725       16.50         97.0       580       16.72         9*       Total Package Input Power at Zero Flow <sup>C, d</sup> 0.0       kW         10       Isentropic Efficiency       83.32       %         11	8*					1160		
97.0       580       16.72         9*       Total Package Input Power at Zero Flow <sup>C, d</sup> 0.0       kW         10       Isentropic Efficiency       83.32       %         11			160.2			1015	-	15.78
9*       Total Package Input Power at Zero Flow       c. d       0.0       kW         10       Isentropic Efficiency       83.32       %         11			119.6			725		16.50
9         Total Package input Power at Zero Flow         0.0         KW           10         Isentropic Efficiency         83.32         %           11					c d			
11           11           11           11           11           11           11           11           12           13.00           14.00           15.00           15.00           15.00           10.00           10.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00           11.00          11.00 <td>,</td> <td></td> <td></td> <td>-</td> <td>at Zero Flow<sup>e, a</sup></td> <td></td> <td></td> <td></td>	,			-	at Zero Flow <sup>e, a</sup>			
NOTES: <ul> <li></li></ul>	11		Specific Power (kW/100 ACFM)	20.00				
Capacity (ACFM)         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         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         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 s         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.         Image: Volume Flow Rate       Volume Flow Rate       Specific Energy Consumption       Zero Flow Power				10.00	200 400	600 800 1000	1200	1400 1600
Consult CAGI website for a list of participants in the third party verification program:       www.cagi.org         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 s         Statiute       a. 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       Specific Energy Consumption         Volume Flow Rate       Specific Energy Consumption		Capacity (ACFM) 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						
Volume Flow Rate at specified conditionsSpecific Energy Volume Flow RateZero Flow Power								
	Consult C	CAGI website a. 1 b. 7 c. 1 d. 7	e for a list Measured ACFM is a The operat No Load P manufactur Tolerance	of participan at the discharge actual cubic fee ing pressure at Yower. In accor rer may state "n is specified in l	ts in the third party veri e terminal point of the cor t per minute at inlet condi which the Capacity (Item dance with ISO 1217, Ar not significant" or "0" on ISO 1217, Annex E, as sh	fication program: npressor package in accordan tions. 8) and Electrical Consumption nex E, if measurement of no the test report. own in table below:	www.cagi.org ce with ISO 1217 on (Item 8) were a load power equal	', Annex E; neasured for this data shee
	Consult C NOTES:	CAGI website	e for a list Measured : ACFM is a The operat No Load P manufactu Tolerance NOTE: Th Dume Flow	of participan at the discharge cuctual cubic fee ing pressure at 'ower. In accor rer may state "1 is specified in 1 he terms "powe	ts in the third party veri e terminal point of the cor t per minute at inlet condi which the Capacity (Item dance with ISO 1217, Ar tot significant" or "0" on (SO 1217, Annex E, as sh r" and "energy" are synor	fication program: mpressor package in accordantions. 8) and Electrical Consumption mex E, if measurement of no the test report. own in table below: mymous for purposes of this do Specific Energy	www.cagi.org ce with ISO 1217 on (Item 8) were i load power equal ocument.	', Annex E; neasured for this data shee
0.5 to 1.5 17.6 to 53 +/- 6 +/- 7	Consult C NOTES:	CAGI website	e for a list Measured A ACFM is a The operat No Load P manufactur Tolerance NOTE: Th olume Flow ecified cor <u>ft</u> Bel	of participan at the discharge cuctual cubic fee ing pressure at 'ower. In accor rer may state "1 is specified in 1 he terms "powe / Rate additions 3 / min ow 17.6	ts in the third party veri e terminal point of the cor t per minute at inlet condi which the Capacity (Item dance with ISO 1217, Ar tot significant" or "0" on (SO 1217, Annex E, as sh r" and "energy" are synor	fication program: mpressor package in accordantions. 8) and Electrical Consumption mex E, if measurement of no the test report. own in table below: mymous for purposes of this do Specific Energy	www.cagi.org ce with ISO 1217 on (Item 8) were i load power equal ocument.	r, Annex E; neasured for this data she

12/19 R3 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.

+/- 6

+/- 5

+/- 5

+/- 4

1.5 to 15

Above 15

ROT 031.2

Above 529.7