ACFM is actual cubic feet per minute at inlet conditions. Image: Condition in the image: Consumption in the image: Conditing: Conditen in the image: Condition in the image: Condi			M	DDEL DATA - FO	OR COMPRESSED) AIR		
2 Air-cooled X water-cooled Type: Screw 3* Full Load Operating Pressure 100 psight 4 Drive Motor Nominal Rating 150 hp 5 Drive Motor Nominal Rating 150 hp 6 Fan Motor Nominal Efficiency 95.4 percent 7 Fan Motor Nominal Efficiency 69.5 percent 8* 104.1 619 16.82 9* 104.1 619 16.82 9* 104.1 619 16.82 9* 104.1 619 16.82 9* 104.1 619 16.82 9* 104.1 619 16.82 9* 104.1 619 16.82 9* 104.1 619 16.82 9* 101 Package Input Power at Zero Flow ^{5, d} 0.0 kW 10 Isentropic Efficiency 76.42 % 11 100 100 20.0 100 20.0 100 20.0 100 100 20.0 50.0 50	1	Manufacture	er: Kai	shan Compressor l	JSA			
Image: control of the control of t		Model Number: KROF-150-100 VSD				Date: 05/01		
Image: state in the CAGI Performance Verification Program, these terms are verified by the third party administrator models that are tested in the CAGI Performance Verification Program, these terms are verified by the third party administrator models that are tested in the CAGI Performance Verification Program, these terms are verified by the third party administrator models that are tested in the CAGI Performance Verification program, these terms are verified by the third party administrator models that are tested in the CAGI Performance Verification program, these terms are verified by the third party administrator models that are tested in the CAGI Performance Verification program. It was a state of the CAGI Performance Verification program. Section 8 Note: Capacity Carbon program, these terms are verified by the third party administrator models that are tested in the CAGI Performance Verification program. Section 8 Note: Capacity Carbon program, these terms are verified by the third party administrator models that are tested in the CAGI Performance Verification program. Note: Capacity Zero Flow Carbon Carbo	2	Air	r-cooled X	Water-cooled			Screw	
Image: Second secon				**				
4 Drive Motor Nominal Rating 150 hp 5 Drive Motor Nominal Efficiency 95.4 percent 6 Fan Motor Nominal Efficiency 69.5 percent 7 Fan Motor Nominal Efficiency 69.5 percent 8* Input Power (kW) Capacity (acfm) ^{a,d} Specific Power 8* 104.1 619 16.82 93.4 548 17.04 8* 104.1 619 16.82 93.4 548 17.04 82.7 476 17.37 72.0 404 17.82 9* Total Package Input Power at Zero Flow ^{C, d} 0.0 kW 10 Isentropic Efficiency 76.42 % 9* Total Package Input Power at Zero Flow ^{C, d} 0.0 kW 10 Isentropic Efficiency 76.42 % 11 150 100.2 100.2 100.2 100.2 10 Isentropic Efficiency 76.42 % 10 11 10.4 10.35.3 100.3 100.3 100.3 12 10.0 100.2 100.3 100.3 100.3 100.3 13 10.0 100.2 100.4 <td>3*</td> <td colspan="3"></td> <td></td> <td># 01 Stages.</td> <td>psig^b</td>	3*					# 01 Stages.	psig ^b	
5 Drive Motor Nominal Efficiency 95.4 percent 6 Fan Motor Nominal Rating (if applicable) 0.5 hp 7 Fan Motor Nominal Efficiency 69.5 percent 8 Input Power (kW) Capacity (acfm) ^{a.d.} Specific Power (kW/100 acfm) ^{d.} 8* 104.1 619 16.82 93.4 548 17.05 9* Total Package Input Power at Zero Flow ^{c, d.} 0.0 kW 10 Isentropic Efficiency 76.42 % 9* Total Package Input Power at Zero Flow ^{c, d.} 0.0 kW 10 Isentropic Efficiency 76.42 % 11 10 10 Sectific Sector 8 Nor: Y.Vis Sci.40 0.0 kW 11 10 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
6 Fan Motor Nominal Rating (if applicable) 0.5 hp 7 Fan Motor Nominal Efficiency 69.5 percent 1 Input Power (kW) Capacity (acfm) ^{a.d} Specific Power (kW/100 acfm) ^d 8* 117.5 689 17.05 8* 104.1 619 16.82 93.4 548 17.04 82.7 476 17.37 72.0 404 17.82 9* Total Package Input Power at Zero Flow ^{C, d} 0.0 kW 10 Isentropic Efficiency 76.42 % 11 y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} 11 y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} 11 y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} 111 y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} 111 y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} y_{000}^{0} 111 y_{000}^{0}							*	
Input Power (kW) Capacity (acfm) ^{a.d} Specific Power (kW/100 acfm) ^d 8* 117.5 689 17.05 8* 104.1 619 16.82 93.4 548 17.04 82.7 476 17.37 72.0 404 17.82 9* Total Package Input Power at Zero Flow ^{C, d} 0.0 kW 10 Isentropic Efficiency 76.42 % 11 90 25.00					0.5		hp	
Input Power (kW) Capacity (acfm) ^{a.d} (W/100 acfm) ^d 8* 117.5 689 17.05 8* 104.1 619 16.82 93.4 548 17.04 82.7 476 17.37 72.0 404 17.82 9* Total Package Input Power at Zero Flow ^{C, d} 0.0 kW 10 Isentropic Efficiency 76.42 % 11 9 550 500 500 600 700 800 11 10 Isentropic Efficiency 76.42 % 500 <td>7</td> <td colspan="3"></td> <td>69.5</td> <td></td> <td></td>	7				69.5			
8* $\frac{117.5}{104.1}$ 689 17.05 8* $\frac{117.5}{104.1}$ 619 16.82 93.4 619 16.82 93.4 619 16.82 93.4 619 16.82 93.4 72.0 476 17.37 72.0 404 17.82 9* Total Package Input Power at Zero Flow ^{c, d} 0.0 KW 10 Isentropic Efficiency 76.42 % 10 11 11 11 11 11 11 11 11 11 11 11 11		Input Pov	wer (kW)		Conscitu (asfm) ^{a,d}	-		
8* 104.1 619 16.82 93.4 548 17.04 82.7 476 17.37 72.0 404 17.82 9* Total Package Input Power at Zero Flow 6.4 0.0 kW 10 Isentropic Efficiency 76.42 % 11 9 5.00 5.00 60 70 800 11 9 5.00 5.00 60 70 800 11 9 5.00 5.00 60 70 800 11 9 5.00 5.00 60 70 800 11 9 5.00 5.00 60 70 800 11 9 0.00 200 300 400 500 600 700 800 10.00 100 20 30.4 3.5 800 50.5 800 50.5 800 50.5 800 50.5 800 50.5 800 50.5 800 50.5 800 50.5 800 50.5 800 50				<u> </u>	Capacity (actili)	(kW)	/100 acfm) ^u	
10 10002 10002 93.4 548 17.04 82.7 476 17.37 72.0 404 17.37 9* Total Package Input Power at Zero Flow c, d 0.0 kW 10 Isentropic Efficiency 76.42 % 11 $v_{0,0}^{0}$ $v_{0,0}^{0}$ $v_{0,0}$ $v_{0,0}$ 11 $v_{0,0}^{0}$ $v_{0,0}^{0}$ $v_{0,0}$ $v_{0,0}$ 11 $v_{0,0}^{0}$ $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ 11 $v_{0,0}^{0}$ $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ 11 $v_{0,0}^{0}$ $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ 12 $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ 10.00 $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ $v_{0,0}$ 10.00 $v_{0,0}$								
82.7 476 17.37 72.0 404 17.82 9* Total Package Input Power at Zero Flow ^{c, d} 0.0 kW 10 Isentropic Efficiency 76.42 % 11 $\sqrt[4]{90}$ $\sqrt[5]{30.00}$ $\sqrt[6]{70.42}$ % 11 $\sqrt[6]{90}$ $\sqrt[3]{30.00}$ $\sqrt[6]{70.42}$ % 11 $\sqrt[6]{90}$ $\sqrt[3]{20.00}$ $\sqrt[6]{10.00}$ $\sqrt[6]{20.00}$ $\sqrt[6]{10.00}$	8*							
72.0 404 17.82 9* Total Package Input Power at Zero Flow ^{c, d} 0.0 kW 10 Isentropic Efficiency 76.42 % 11								
9* Total Package Input Power at Zero Flow c. d 0.0 kW 10 Isentropic Efficiency 76.42 % 11								
10 Isentropic Efficiency 76.42 % 11 ^{35,00} ^{35,00} ^{36,00} ^{30,00} ^{30,}	0*			er et Zero Elour ^c , d		17.3		
11 Image: the set of				el al Zelo Flow				
Image: transmission of the data in Section 8 Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5KW/1004cm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity or models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator onsult 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: transmission of the date in the tord represent the term of the consumption (Item 8) were measured for this data s Mote: The terms "power" and "energy" are synonymous for purposes of this document. Image: transmission of the date in the tord term in the table term of the date term in the table term in the table term of the date terem of the date term of the date term of the date terem	11	Specific Powe						
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 or models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator onsult 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. Volume Flow Rate Volume Flow Rate Specific Energy Zero Flow Power min ft ³ /min % % %			15.00					
Image: Second State Sta				100 200	200 400 500	600 70		
 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. 				(Note: Graph is only a vis Note: Y-Axis Scale, 10 to 35, 4	Capacity (ACFM) sual representation of the data in \$ + 5kW/100acfm increments if neces	Section 8	0 800	
at specified conditionsVolume Flow RateConsumptionPower $\underline{m^3 / \min}$ $\underline{ft^3 / \min}$ %%	onsult CAG	I website for a a. Measur	0 n the CAGI Per list of participa red at the discha	Note: Graph is only a vis Note: Y-Axis Scale, 10 to 35, - X-Axis Scale, (formance Verification Pr ants in the third party veri rge terminal point of the con	Capacity (ACFM) sual representation of the data in 1 + 5kW/100acfm increments if neces 0 to 25% over maximum capacity ogram, these items are veri fication program: npressor package in accordan	Section 8 sary above 35 fied by the third pa www.cagi.org	rty administrator	
	onsult CAG	I website for a a. Measur ACFM b. The op c. No Loa manufa d. Tolerar	o n the CAGI Per list of participa red at the discha is actual cubic f erating pressure ad Power. In acc acturer may state nce is specified i	Note: Graph is only a vis Note: Y-Axis Scale, 10 to 35, - X-Axis Scale, (formance Verification Pre ants in the third party veri rge terminal point of the con 'eet per minute at inlet condi at which the Capacity (Item cordance with ISO 1217, An "not significant" or "0" on 'n n ISO 1217, Annex E, as sho	Capacity (ACFM) sual representation of the data in 1 + 5kW/100acfm increments if neces 0 to 25% over maximum capacity ogram, these items are veri fication program: npressor package in accordan tions. 8) and Electrical Consumptio (nex E, if measurement of no i the test report. own in table below:	Section 8 sary above 35 fied by the third pa www.cagi.org ce with ISO 1217, Ar on (Item 8) were meas load power equals les	rty administrator nnex E; sured for this data s	
	onsult CAG	I website for a a. Measur ACFM b. The op c. No Loa manufa d. Tolerar NOTE: Volume F	n the CAGI Per list of participa red at the discha is actual cubic f erating pressure ad Power. In acc acturer may state nee is specified i : The terms "po Flow Rate	Note: Graph is only a vis Note: Y-Axis Scale, 10 to 35, X-Axis Scale, (cformance Verification Prr ants in the third party veri rge terminal point of the con 'eet per minute at inlet condi at which the Capacity (Item cordance with ISO 1217, An e "not significant" or "0" on ' n ISO 1217, Annex E, as sho wer" and "energy" are synon	Capacity (ACFM) sual representation of the data in 4 + 5kW/100acfm increments if neces 0 to 25% over maximum capacity ogram, these items are veri fication program: npressor package in accordan tions. 8) and Electrical Consumptio (nex E, if measurement of no the test report. own in table below: hymous for purposes of this do Specific Energy	Section 8 sary above 35 fied by the third pa <u>www.cagi.org</u> ce with ISO 1217, Ar on (Item 8) were meas load power equals les ocument.	rty administrator nnex E; sured for this data s	
+-10%	onsult CAG	I website for a a. Measur ACFM b. The op c. No Loa manufa d. Tolerar NOTE: Volume F at specified <u>3 / min</u>	n the CAGI Per list of participa is actual cubic f erating pressure ad Power. In acc acturer may state nee is specified i : The terms "po Flow Rate conditions	Note: Graph is only a vis Note: Y-Axis Scale, 10 to 35, X-Axis Scale, (formance Verification Prr ants in the third party veri rge terminal point of the con 'eet per minute at inlet condi at which the Capacity (Item cordance with ISO 1217, An "mot significant" or "0" on " n ISO 1217, Annex E, as sho wer" and "energy" are synon Volume Flow Rate	Capacity (ACFM) sual representation of the data in 4 + 5kW/100acfm increments if neces 0 to 25% over maximum capacity ogram, these items are veri fication program: npressor package in accordan tions. 8) and Electrical Consumptio nex E, if measurement of no the test report. own in table below: tymous for purposes of this do Specific Energy Consumption	Section 8 sary above 35 fied by the third pa www.cagi.org ce with ISO 1217, Ar on (Item 8) were meas load power equals les ocument. NO DOAU / Zero Flow Power %	rty administrator nnex E; sured for this data s	

ROT 031.2

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.