PUMP SPECIFICATIONS

SIZE & TYPE: ZF150-3500

SPEED: (see MOTOR SPECIFICATIONS)

ROTATION: CW (AS VIEWED FROM DRIVER)

DISCH FLG: 6" CLASS: 300RF Standard: ASME B16.5 SUCT FLG: 6" CLASS: 300RF Standard: ASME B16.5

MECH SEAL TYPE: CHETRA TYP151CA-048

MECH SEAL DRG: 25515-16-10-P-1881 A/B API CODE: BSTHN

API PIPING PLANS: 11, 61

COUPLING SPECIFICATIONS

MFR: Metastream

TYPE: TSKS SIZE: 0135

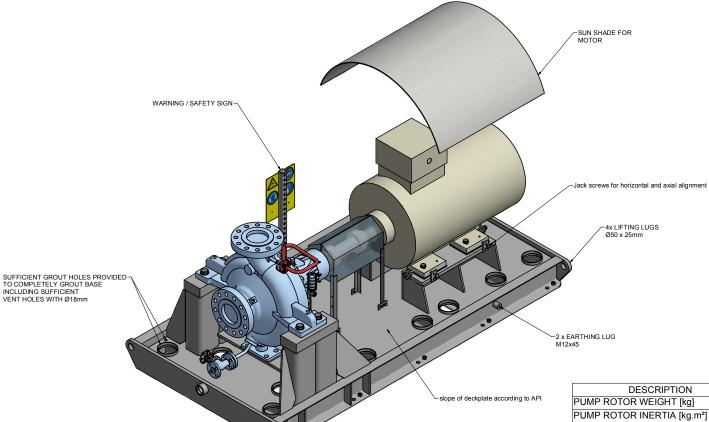
COUPLING-GUARD MATERIAL: Brass

DRIVER SPECIFICATIONS MOTOR: Schorch

FRAME: 315 Enclosure:Zone 2, IIB, T3 90 SPEED: 1488 rpm kW: PHASE: 3 VOLTAGE: 400

FURNISHED BY: SULZER CYCLE: 50 Hz





	DESCRIPTION	VALUE
	PUMP ROTOR WEIGHT [kg]	68,5
	1 3 1	1,42
		406/104
	. 01	Appr. 215
		2,2
3/	MOTOR DYNAMIC LOADS [N]	84

	COG	Х	Y	Z	MAINTENANCE WEIGHT PUMP:
UPLING COG MOTOR	PUMP	550	0	700	
PUMP	COUPLING	1270	0	700	APPROXIMATE W
	BASEPLATE	1254	30	205	ALL NOXIMATE W

APPROXIMATE WEIGHTS							
PUMP:	613	kg					
MOTOR:	1040	kg					
BASEPLATE:	933	kg					
AUXILIARY:	50	kg					
TOTAL:	2636	kg					

PURCHASER:	AIOTE	C GmbH					
USER:							
JOB/PROJECT:	Kangai	n C2 Reco	very and	Fractionation Plant			
CUST. P.O. NO.: SERVICE: INSTALLED AT: PUMP OEM: SULZER ORDER	Sulzer	ENSATE F Pumpen (I		WATER and) GmbH			
	IDENTIF		N NUI	MBERS			
SULZER				R TAG NO'S			
SERIAL NO.		PUMP		DRIVER			
583648	10-	P-1881 A		10-M-1881 A			
583649	10-	P-1881 B		10-M-1881 B			
		D0	NOT CC	CALE DIMENSIONS:			
CERTIFIED FIN	AL	DO NOT SCALE. DIMENSIONS: mm					
CERTIFIED FOR	R NO771 F &	UNLESS OTHERWISE SPECIFIED TOLERANCES					
FOUNDATION		≤ 500 mm ± 3mm					
PRELIMINARY	ONLY	> 500 mm ± 12mm AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 25					
	DDAI	VING C			JNS ± 25		
				=IN I	SHEET		
		DESCRIP	HON		NO.		
GA ISOMETRIC D					1		
FOUNDATION AN					2		
CONNECTION LA			1		3		
Code2 Approx Variod of Pie de Code3 Code3 Ri cere Ri cer	tal correct, revise and resubmit the doc urrent shall be revised under the Sh ded documents shall be resubmitted before the contract of the second termination of the contract	submit the document, ing if changes incorporated, urnest by the data specified, obus of "It: Renised Issue", no starting the Workshaling.					
Above checking in Vender of any fishilip, the mutual agree	cosphed (Phyleched): shall re-work/re-design/re of the downerhousering in the an- led to the country of the country led to the country of the country of the country of the country of the edition of the country of the merit in writing.						
DIDD	Signature :						
Only for internal	EL IN L	E WA					
ST AR	PR SA	N TL					

CONTRACT DATA

02	04.08.17	"R"	For Approval	RS	AM	СН	SW
01	12.05.17	"R"	For Approval	RS	AM	СН	SW
00	03.01.17	"F"	For Approval	RS	AM	СН	SW
REV.	DATE	Status	Purpose of Issue	PRE'P.	CHC'D.	APP'D.	AUTH'D.

KANGAN C2 RECOVERY & FRACTIONATION PLANT



P.O. No.: KP-10-00-PS-MA-PO-0003 SCALE :





215 kg

Dimensional outline drawings for Item 10-P-1881 A/B

DRAWING No.	VP-	-10-00-M	A-00(03-12	214	SHEET	No.	10F3	F	REV.	02
0											
REV. MODIFICATION					MOE	IFIED	С	HECKED		APPRO	
SEP. PARTS LIST:	NO	FORMAT: A1	DESIGN	GROUP				FIRST ANGLE	PRO.	JECTIO	N □
REPLACED BY:		-	SUBS	TITUTE	E FOR: ORIGINAL SCALE:			-			
ZF		GENER	GENERAL ARRANGEMENT				NT	DRAWN:			n-2017 herban
150-3500		GA ISOM	IETRI	C AN	D DAT	A SHE	EΤ	CHECKED:		3-Ja	n-2017
		-									Ratzel
								APPROVED	:		
1002471880120 GENERAL ARRANG				ANGE	MENT	DRAWII	NG				
SULZE	R	PART NO.	ΕN	PG	4100	2471	880	120-0	1	1	/ 3

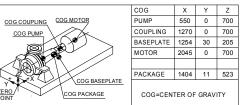
STANDARDS ANSI/ HI 9.8-1998 "PUMP INTAKE DESIGN" REQUIREMENTS.

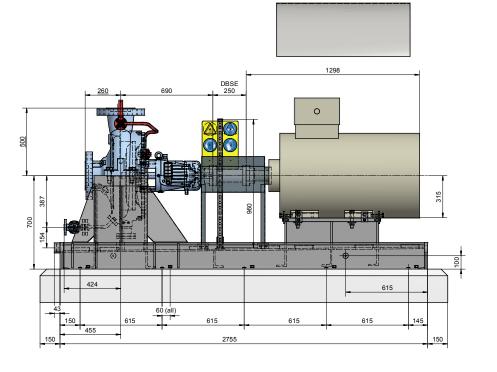
1. CAUTION! CAREFULLY CHECK ALIGNMENT BEFORE STARTING UNIT. ALL HOLES IN FLANGES STRADDLE CENTERLINES. THE

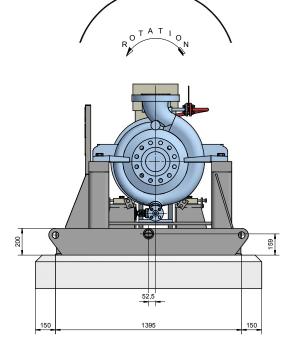
CONNECTION OF PIPES TO THE UNIT HAS TO BE STRESS FREE.

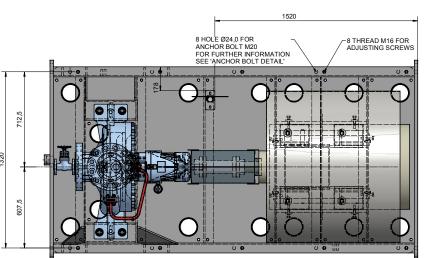
COLORS ARE NOT INTENDED TO REPRESENT "AS SHIPPED" PAINT REQUIREMENTS. THEY ARE FOR QUICK IDENTIFICATION OF PIPING

ARE FOR QUICK DENIFICATION OF PIPING AND EQUIPMENT. PIPING AND EQUIPMENT AND EQUIPMENT ARE REPRESENTATIONS ONLY, ACTUAL LOCATION AND ORIENTATION MONLY, ACTUAL LOCATION AND ORIENTATION NEW YARY PER STANDARDS, UNLESS OTHERWISE DIMENSIONED. THE SUCCION PIPING DOR INTAKE DESIGNATION OF THE PIPING AND AND THE SUCCION PIPING THE PIPING AND THE SUCCION PIPING AND THE SUCCION PIPING AND THE PIPING AND THE SUCCION PIPING PIPING AND THE SUCCION PIPING AND THE SUCION PIPING AND THE SUCCION PIPING AND









ANCHOR BOLT DETAIL TAPERED WASHER SUPPLIED BY SULZER 10 ANCHOR BOLT M20x400 DIN 529 C SUPPLIED BY SULZER MOC: 3.6 HOT DIP GALVANIZED

Select a non-shrinking grout that is compatible with the highest and lowest temperatures to which it may be exposed.

CONTRACT DATA

AIOTEC GmbH PURCHASER:

USER:

JOB/PROJECT: Kangan C2 Recovery and Fractionation Plant

CUST. P.O. NO.: SERVICE: CONDENSATE RETURN WATER INSTALLED AT:

PUMP OEM: SULZER ORDER NO.: Sulzer Pumpen (Deutschland) GmbH 1002471880120

		IDENTIFICATION	NUMBERS
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SULZER	CUSTOMER TAG NO'S						
SERIAL NO.	PUMP	DRIVER					
583648	10-P-1881 A	10-M-1881 A					
583649	10-P-1881 B	10-M-1881 B					

CERTIFIED FINAL

PRELIMINARY ONLY

DO NOT SCALE. DIMENSIONS: mm

CERTIFIED FOR NOZZLE & FOUNDATION ONLY

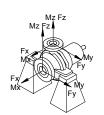
UNLESS OTHERWISE SPECIFIED TOLERANCES ≤ 500 mm ± 3mm

> 500 mm ± 12mm AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 25

MAXIMUM NOZZLE LOADINGS

Forces do comply with 2 times of the forces shown in API 610 11th

FORCE IN (N) MOMENTS IN (Nm)



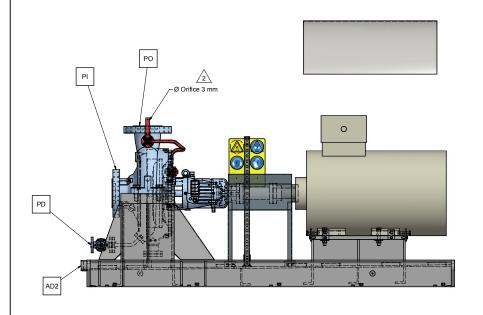
			SUCT	DISCH
	[Fx	6220	4980
2	ğ	Fy	4980	4100
	FORCE	Fz	4100	6220
	"	Fr	8960	8960
	Z	Мx	4600	4600
	MOMENTS	Му	2360	2360
	Ī	Mz	3520	3520
	ĭ	Mr	6260	6260

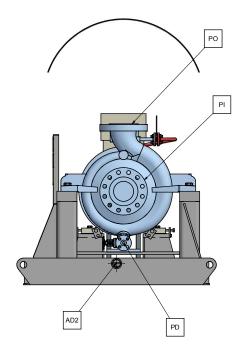
REV. MODIFICATION SEP. PARTS LIST: REPLACED BY: SUBSTITUTE FOR ORIGINAL SCALE: ZF GENERAL ARRANGEMENT 150-3500 FOUNDATION AND NOZZLE CHECKED

1002471880120 GENERAL ARRANGEMENT DRAWING

PART NO. EN PGA1002471880120-01 2 / 3

Use concrete from a concrete company with a final strength of 25 N/mm2 (B25) or better.





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200	0	C))

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CONNECTION LEGEND					
	IZE	Έ	TYPE]	
	6"		ANSI B16.5 300 RF	J	
	6"		ANSI B16.5 300 RF	7 ^	
ΙB	/4"	4"	ANSI B16.5 300 RF WITH GATE VALVI	[] /2`	
	2"		NPT FEMALE	7 <i>′</i> —	

CONTRACT DATA PURCHASER: AIOTEC GmbH USER: JOB/PROJECT: Kangan C2 Recovery and Fractionation Plant CUST. P.O. NO:
SERVICE: CONDENSATE RETURN WATER
INSTALLED AT:
PUMP OEM: Sulzer Pumpen (Deutschland) GmbH
SULZER ORDER NO:: 1002471880120 **IDENTIFICATION NUMBERS** CUSTOMER TAG NO'S SULZER SERIAL NO. PUMP DRIVER 583648 10-P-1881 A 10-M-1881 A 583649 10-P-1881 B 10-M-1881 B DO NOT SCALE. DIMENSIONS: mm CERTIFIED FINAL UNLESS OTHERWISE SPECIFIED TOLERANCES CERTIFIED FOR NOZZLE & FOUNDATION ONLY ≤ 500 mm ± 3mm > 500 mm ± 12mm PRELIMINARY ONLY AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 25

	CONNECTION LEGEND							
ITEM	DESCRIPTION	SIZE	TYPE					
PI	PUMP SUCTION NOZZLE	6"	ANSI B16.5 300 RF					
PO	PUMP DISCHARGE NOZZLE	6"	ANSI B16.5 300 RF					
PD	PUMP DRAIN	3/4"	ANSI B16.5 300 RF WITH GATE VALVE					
AD2	BASE DRAIN	2"	NPT FEMALE					

REV. MODIFICATION NO FORMAT: A1 DESIGN GROUP: SEP. PARTS LIST: FIRST ANGLE PROJECTION REPLACED BY: - SUBSTITUTE FOR: ORIGINAL SCALE: ZF GENERAL ARRANGEMENT Scherban 150-3500 CONNECTION LAYOUT CHECKED: 3-Jan-2017 APPROVED: GENERAL ARRANGEMENT DRAWING 1002471880120 PART NO. EN PGA1002471880120-01 3 / 3