PUMP SPECIFICATIONS

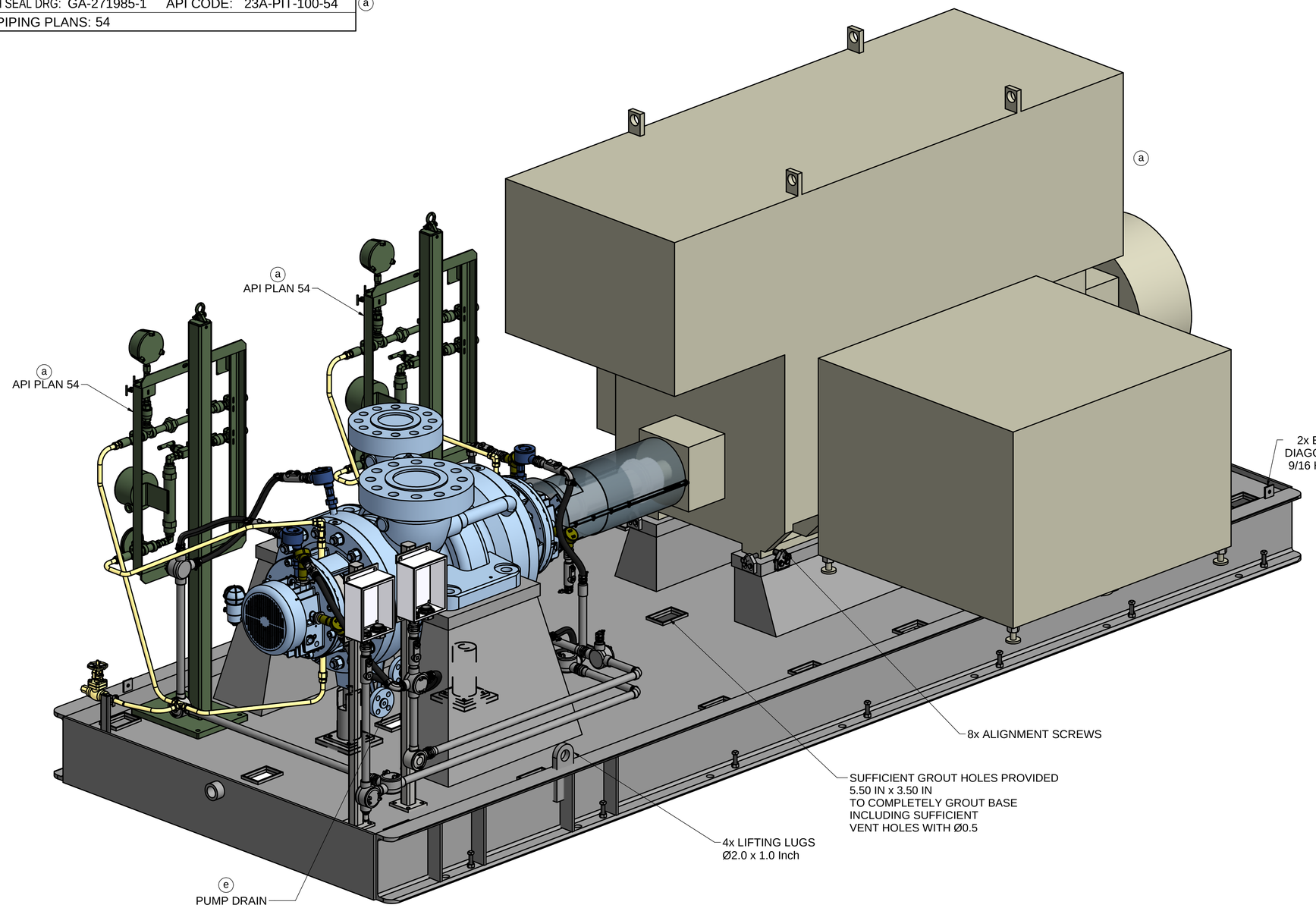
SIZE & TYPE: 6X8x18B BBTD	
SPEED: 3576 RPM	(a)
ROTATION: CCW (AS VIEWED FROM DRIVER)	
DISCH FLG: 6" CLASS: 1500# Standard: ASME B16.5	
SUCT FLG: 8" CLASS: 1500# Standard: ASME B16.5	
MECH SEAL TYPE: JOHN CRANE	
MECH SEAL DRG: GA-271985-1 API CODE: 23A-PIT-100-54	(a)
API PIPING PLANS: 54	

COUPLING SPECIFICATIONS

MFR: REXNORD	
TYPE: XTST71	SIZE: 1548
COUPLING-GUARD MATERIAL: ALUMINUM	

DRIVER SPECIFICATIONS

(a) MOTOR: GE			
(a) FRAME: 8212S			
POWER: 1250 HP		SPEED: 3576 RPM	(a)
PHASE: 3		VOLTAGE: 4000	
FURNISHED BY: SULZER		CYCLE: 60	



(b) NOTES:

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.
2. COLORS ARE NOT INTENDED TO REPRESENT "AS SHIPPED" PAINT REQUIREMENTS. THEY ARE FOR QUICK IDENTIFICATION OF PIPING AND EQUIPMENT.
3. PIPING AND EQUIPMENT ARE MODELED REPRESENTATIONS ONLY, ACTUAL LOCATION AND ORIENTATION MAY VARY PER SHOP STANDARDS, UNLESS OTHERWISE DIMENSIONED.
4. SEE DRIVER, SEAL SYSTEM, MECHANICAL SEAL OR COUPLING DRAWINGS FOR MAJOR DETAILS.
5. DIMENSIONS BETWEEN PARENTESIS ( ) ARE REFERENCE ONLY

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APPROXIMATE WEIGHTS (a)

PUMP:	6846	LBS
MOTOR:	13100	LBS
BASEPLATE:	5681	LBS
AUXILIARY:	450	LBS
TOTAL:	26077	LBS

(b) CONTRACT DATA

PURCHASER:	AIR PRODUCT MANUFACTURING LLC
USER:	WORLD ENERGY PARAMOUNT LLC
JOB/PROJECT:	WORLD ENERGY RENEWABLES PROJECT
WBS:	1801
CWA:	10
CUST. P.O. NO.:	4505610423
SERVICE:	RECYCLE OIL PUMPS
INSTALLED AT:	PARAMOUNT, CA, USA.
PUMP OEM:	SULZER PUMPS
SULZER ORDER NO.:	100462910-0060

IDENTIFICATION NUMBERS

SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
650963	18-P-359A	18-P-359AM
650964	18-P-359B	18-P-359BM

CERTIFIED FINAL

CERTIFIED FOR NOZZLE & FOUNDATION ONLY

PRELIMINARY ONLY

DO NOT SCALE. DIMENSIONS: INCH

UNLESS OTHERWISE SPECIFIED
TOLERANCES
.X ± .50
.XX ± .12

AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 1.0

DRAWING CONTENT

SHEET DESCRIPTION	SHEET NO.
GA ISOMETRIC DATA SHEET	1
FOUNDATION AND NOZZLE	2
CONNECTION LAYOUT	3

(a)

DESCRIPTION	DRAWING
MOTOR DRAWING	MDD1004629100060-01
PUMP CROSS SECTIONAL DRAWING	PCS1004629100060-01
COUPLING DRAWING	CCD1004629100060-01
MECHANICAL SEAL DRAWING	SMD1004629100060-01
PLAN 54 DRAWING	PIU1004629100060-01
P&iD DRAWING	PPI1004629100060-01

REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED
(f)	AS BUILT REVISION	15-MAY-2024 J. FLORES	15-MAY-2024 S. JIMENEZ	15-MAY-2024 C. GONZALEZ

SEP. PARTS LIST: NO | FORMAT: A1 | DESIGN GROUP: SPMX | THIRD ANGLE PROJECTION

REPLACED BY: - | SUBSTITUTE FOR: | ORIGINAL SCALE: -

BBTD
6X8x18B
SULZER PUMPS
100462910-0060

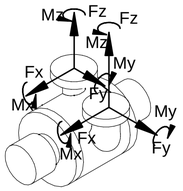
GENERAL ARRANGEMENT
GA ISOMETRIC AND DATA SHEET
-
GENERAL ARRANGEMENT DRAWING

DRAWN: 10-02-2022 C. ORTIZ
CHECKED: 10-02-2022 S. JIMENEZ
APPROVED: 10-02-2022 C. GONZALEZ

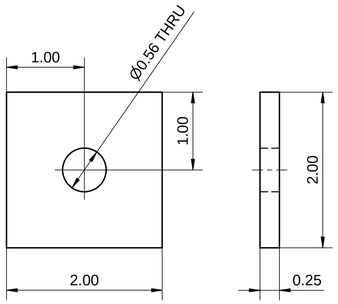
SULZER | PART NO. - | EN | PGA1004629100060-01 | 1 / 3

MAXIMUM NOZZLE LOADINGS

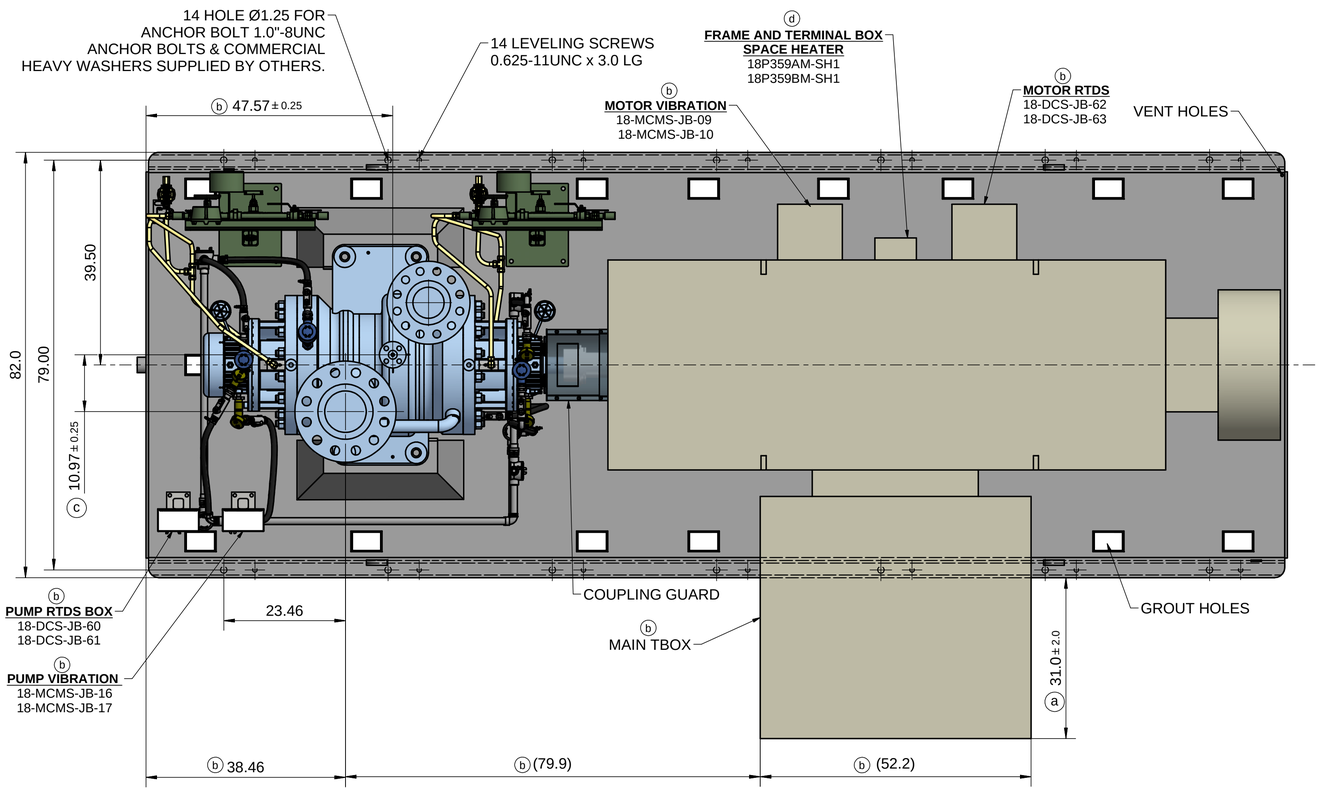
FORCE IN (Lb) MOMENTS IN (Ft-Lb)



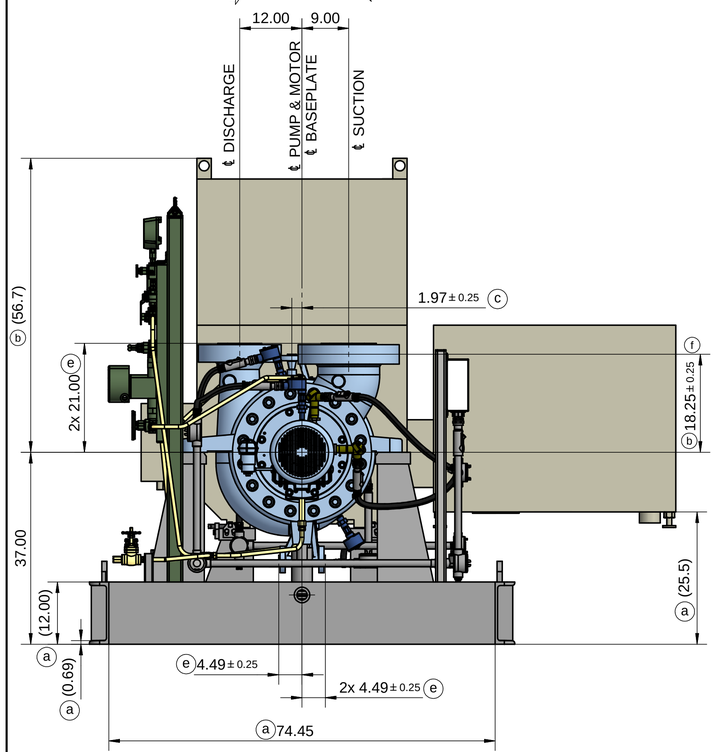
		(2xAPI)	
		SUCT	DISCH
FORCE	Fx	1700	1120
	Fy	1400	920
	Fz	2200	1400
	Fr	3120	2020
MOMENTS	Mx	5200	3400
	My	2600	1740
	Mz	3800	2600
	Mr	7000	4620

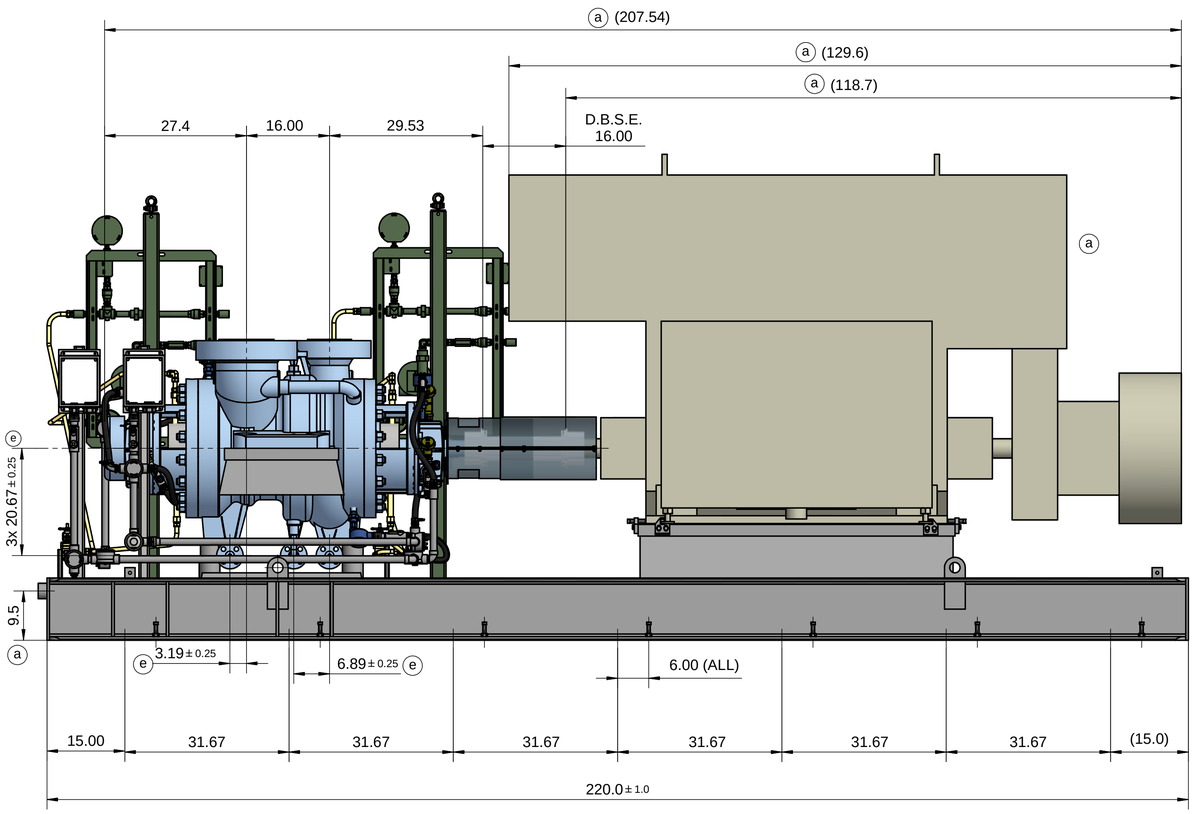


GROUNDING LUG DETAIL









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b CONTRACT DATA

PURCHASER:	AIR PRODUCT MANUFACTURING LLC
USER:	WORLD ENERGY PARAMOUNT LLC
JOB/PROJECT:	WORLD ENERGY RENEWABLES PROJECT
WBS:	1801
CWA:	10
CUST. P.O. NO.:	4505610423
SERVICE:	RECYCLE OIL PUMPS
INSTALLED AT:	PARAMOUNT, CA, USA.
PUMP OEM:	SULZER PUMPS
SULZER ORDER NO.:	100462910-0060

IDENTIFICATION NUMBERS

SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
650963	18-P-359A	18-P-359AM
650964	18-P-359B	18-P-359BM

■ CERTIFIED FINAL

□ CERTIFIED FOR NOZZLE & FOUNDATION ONLY

□ PRELIMINARY ONLY

DO NOT SCALE. DIMENSIONS: INCH

UNLESS OTHERWISE SPECIFIED
TOLERANCES
.X ± .50
.XX ± .12

AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 1.0

f	AS BUILT REVISION	15-MAY-2024	15-MAY-2024	15-MAY-2024
		J. FLORES	S. JIMENEZ	C. GONZALEZ
REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED

SEP. PARTS LIST: NO	FORMAT: A1	DESIGN GROUP: SPMX	THIRD ANGLE PROJECTION
REPLACED BY: -	SUBSTITUTE FOR:		ORIGINAL SCALE: -

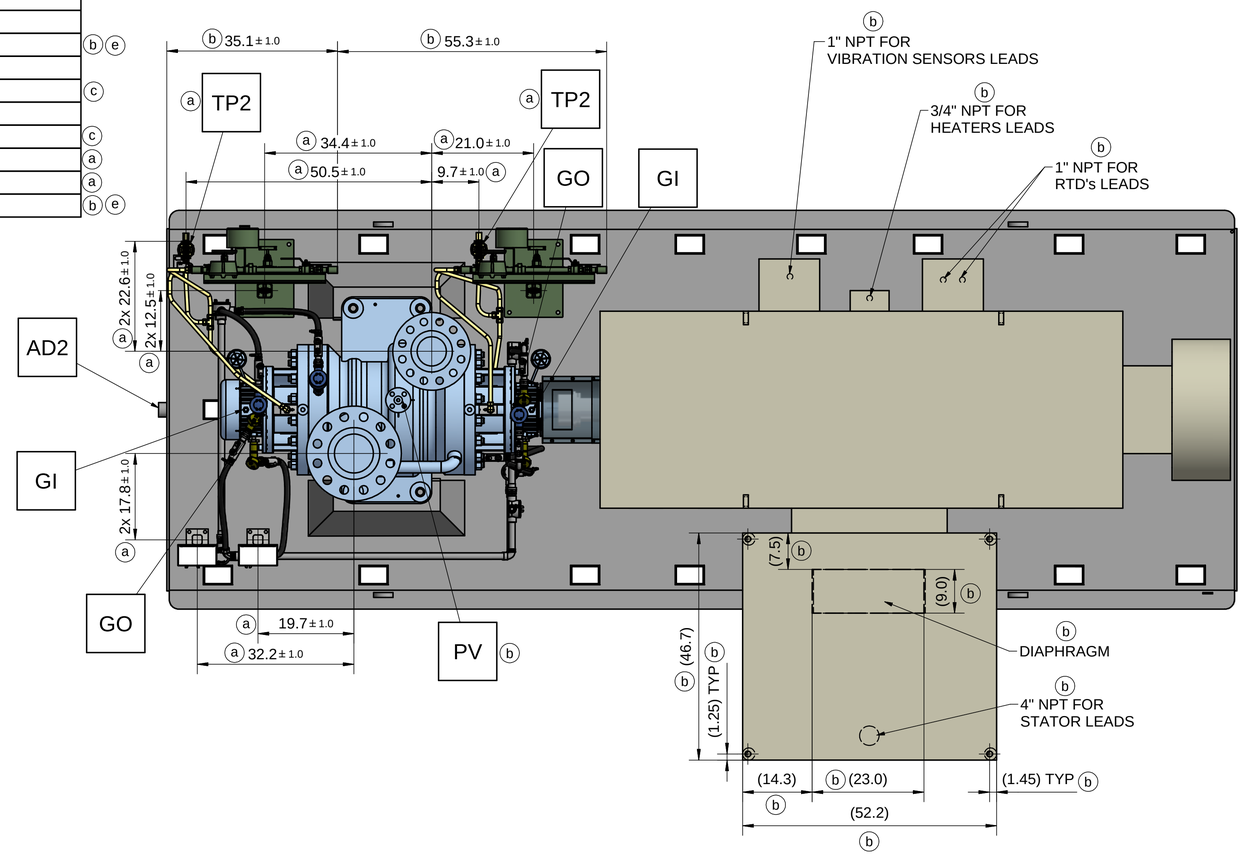
BBTD	GENERAL ARRANGEMENT	DRAWN:	10-02-2022 C. ORTIZ
6X8x18B	FOUNDATION AND NOZZLE	CHECKED:	10-02-2022 S. JIMENEZ
SULZER PUMPS	-	APPROVED:	10-02-2022 C. GONZALEZ
100462910-0060	GENERAL ARRANGEMENT DRAWING		

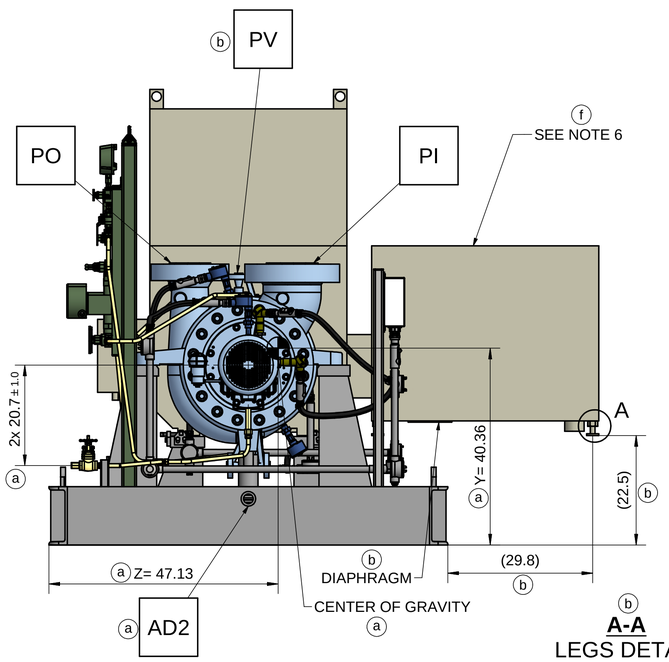
SULZER | PART NO. - | EN | PGA1004629100060-01 | 2 / 3

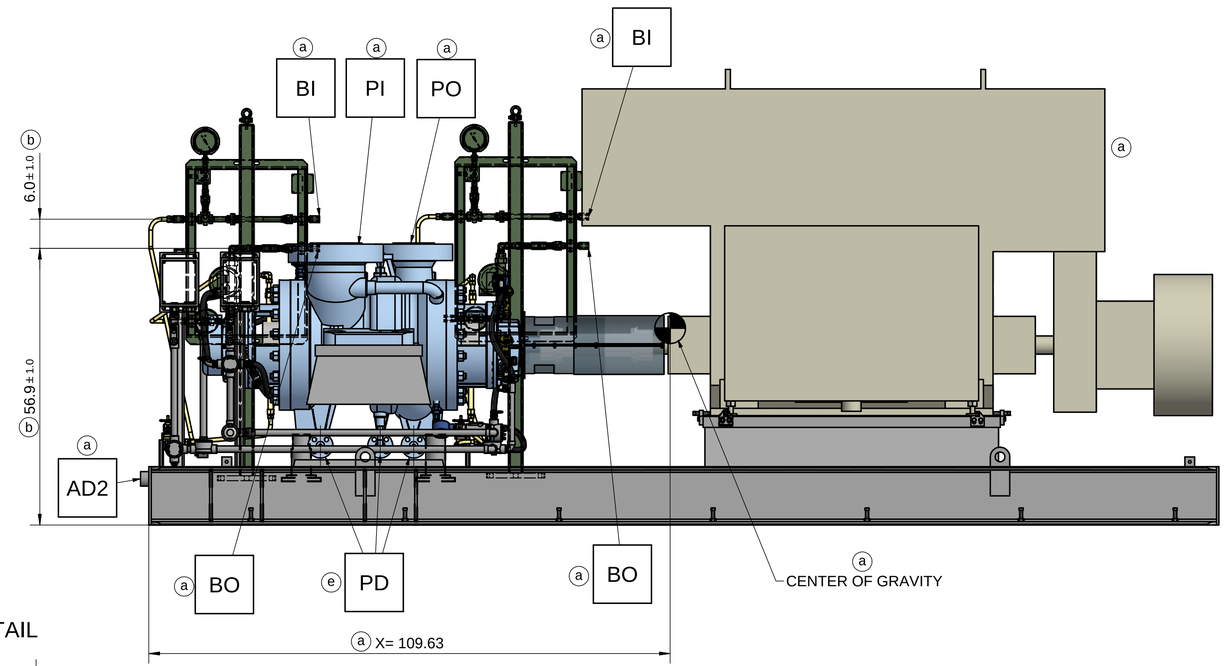
CONNECTION LEGEND

ITEM	DESCRIPTION	SIZE	TYPE
PI	PUMP SUCTION NOZZLE	8.00"	1500 RF
PO	PUMP DISCHARGE NOZZLE	6.00"	1500 RF
PD	PUMP DRAIN	0.75"	1500 RF
AD2	BASE DRAIN	2.00"	NPT FEMALE
GI	OIL MIST - INLET (PROVISION) BREATHER INCLUDED	0.75"	NPT PLUGGED
GO	OIL MIST - OUTLET (PROVISION)	0.25	NPT PLUGGED
BI	BARRIER FLUID - INLET	0.75"	NPT PLUGGED
BO	BARRIER FLUID - OUTLET	0.75"	NPT PLUGGED
TP2	PLAN 54 - DRAIN	0.75"	NPT PLUGGED
PV	PUMP VENT	0.75"	1500 RF

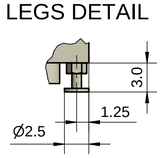
NOTES:
1. CONNECTION INDICATED IN BOX o ARE CUSTOMER CONNECTIONS POINTS.
2. BASEPLATE PREPARED FOR EPOXY GROUT AND SEAL WELDED.
3. API PLAN 54 INSTALLED OFF SKID.
4. FOR GROUTING PROCESS, THE MOTOR MUST BE REMOVED.
5. PUMP ROTOR WEIGHT: 450 lb
   MOTOR ROTOR WEIGHT: 1150 lb
6. THE MAIN TERMINAL BOX WILL BE SHIPPED LOOSE AND SUPPORTED BY OTHERS AT FIELD, SEE MDD1004629100060-01 FOR MAJOR DETAILS.
7. WARM UP WILL BE THROUGH PUMP DISCHARGE
8. REFER TO PLE1004629100060-01 FOR ALL REGARDING LIFTING PROCESS
9. THERMAL BLANKET INCLUDED BY SULZER.







A-A
LEGS DETAIL



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CONTRACT DATA

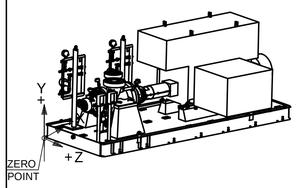
PURCHASER:	AIR PRODUCT MANUFACTURING LLC
USER:	WORLD ENERGY PARAMOUNT LLC
JOB/PROJECT:	WORLD ENERGY RENEWABLES PROJECT
WBS:	1801
CWA:	10
CUST. P.O. NO.:	4505610423
SERVICE:	RECYCLE OIL PUMPS
INSTALLED AT:	PARAMOUNT, CA, USA.
PUMP OEM:	SULZER PUMPS
SULZER ORDER NO.:	100462910-0060

IDENTIFICATION NUMBERS

SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
650963	18-P-359A	18-P-359AM
650964	18-P-359B	18-P-359BM

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.X ± .50
.XX ± .12
AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 1.0



COG	X	Y	Z
PUMP	72.24	25.98	40.7
MOTOR	135.73	41.64	49.86
BASEPLATE	106.87	11.52	40.7
SYSTEM	109.63	40.36	47.11

COG=CENTER OF GRAVITY

REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED
f	AS BUILT REVISION	15-MAY-2024 J. FLORES	15-MAY-2024 S. JIMENEZ	15-MAY-2024 C. GONZALEZ

SEP. PARTS LIST: NO	FORMAT: A1	DESIGN GROUP: SPMX	THIRD ANGLE PROJECTION
REPLACED BY: -	SUBSTITUTE FOR:		ORIGINAL SCALE: -

BBTD 6X8x18B SULZER PUMPS 100462910-0060	GENERAL ARRANGEMENT CONNECTION LAYOUT - GENERAL ARRANGEMENT DRAWING	DRAWN: 10-02-2022 C. ORTIZ CHECKED: 10-02-2022 S. JIMENEZ APPROVED: 10-02-2022 C. GONZALEZ

SULZER | PART NO. - | EN | PGA1004629100060-01 | 3 / 3