PUMP SPECIFICATIONS

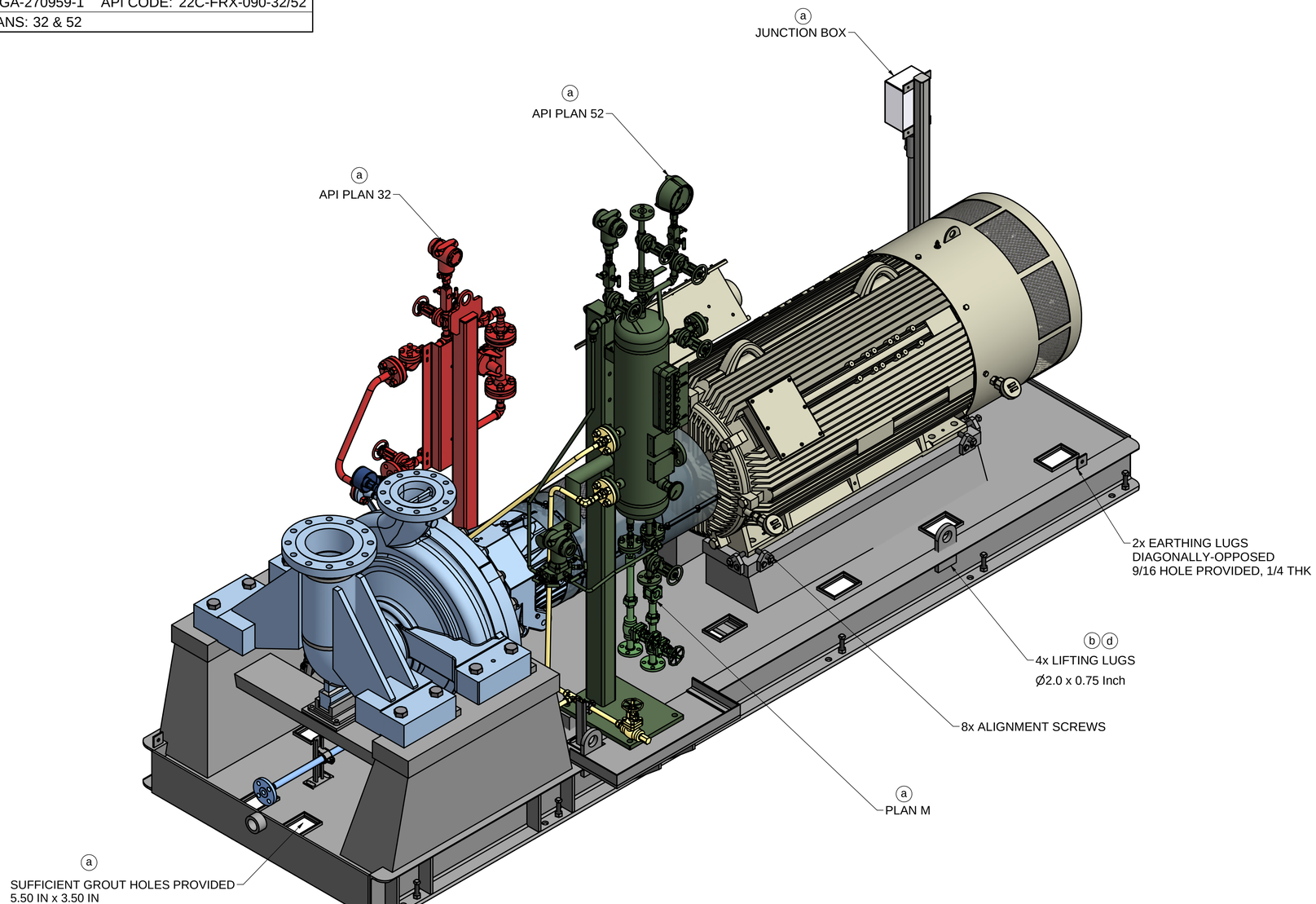
SIZE & TYPE:	OHH 6X8X26-1
(a) SPEED:	1785 rpm
ROTATION:	CCW (AS VIEWED FROM DRIVER)
DISCH FLG:	6" CLASS: 300 RF Standard: ASME B16.5
SUCT FLG:	8" CLASS: 300 RF Standard: ASME B16.5
MECH SEAL TYPE:	JOHN CRANE
(a) MECH SEAL DRG:	GA-270959-1 API CODE: 22C-FRX-090-32/52
API PIPING PLANS:	32 & 52

COUPLING SPECIFICATIONS

MFR:	REXNORD
TYPE:	XTSR71 SIZE: 1298
COUPLING-GUARD MATERIAL:	ALUMINUM

DRIVER SPECIFICATIONS

MOTOR:	GE		
FRAME:	5013S		
POWER:	500 HP	SPEED:	1785 rpm (a)
PHASE:	3	VOLTAGE:	4000 V
FURNISHED BY:	SULZER	CYCLE:	60 HZ



(a) 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. SEE DRIVER, SEAL SYSTEM, MECHANICAL SEAL OR COUPLING DRAWINGS FOR MAJOR DETAILS.
4. DIMENSIONS BETWEEN PARENTHESIS ( ) ARE REFERENCE ONLY.
5. THERMAL BLANKET IS INSTALLED BY SULZER.
6. (b) DRAIN WILL BE INSTALLED BY OTHERS.
7. (b) WARM-UP WILL BE THROUGH PUMP DISCHARGE CHECK VALVE BYPASS AND INSTALLED BY OTHERS.

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(a) APPROXIMATE WEIGHTS

PUMP:	3708	LBS
MOTOR:	7150	LBS
BASEPLATE:	3936	LBS
AUXILIARY:	351	LBS
TOTAL:	15 145	LBS

(a) CONTRACT DATA

PURCHASER:	Air Products and Manufacturing LLC
USER:	World Energy Paramount
JOB/PROJECT:	World Energy Renewables Project
CUST. P.O. NO.:	4505610423
SERVICE:	Product Fractionator Reboiler Circulation Pump
INSTALLED AT:	World Energy, Paramount, California USA
PUMP OEM:	SULZER PUMPS
SULZER ORDER NO.:	100462910-0050
WBS:	1801 (b)
CWA:	12 (b)

IDENTIFICATION NUMBERS

SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
650961	18-P-356A	18-P-356AM
650962	18-P-356B	18-P-356BM

■ 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	MDD1004629100050-01
PUMP CROSS SECTIONAL DRAWING	PCS1004629100050-01
COUPLING DRAWING	CCD1004629100050-01
MECHANICAL SEAL DRAWING	SMD1004629100050-01
PLAN 52 DRAWING	SSD1004629100050-01
PLAN 32 DRAWING	SSD1004629100050-02
P&iD DRAWING	PPI1004629100050-01

REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED
(d)	AS BUILT REVISION	06-MAY-2024 A.GUTIERREZ	06-MAY-2024 A.GUTIERREZ	06-MAY-2024 C. GONZALEZ

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

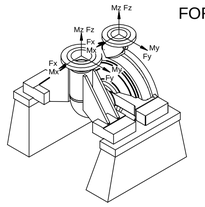
OHH 6X8X26-1	GENERAL ARRANGEMENT	DRAWN:	11-FEB-2022 M. MORALES
SULZER PUMPS 100462910-0050	GA ISOMETRIC AND DATA SHEET - GENERAL ARRANGEMENT DRAWING	CHECKED:	11-FEB-2022 A. GUTIERREZ
		APPROVED:	11-FEB-2022 C. GONZALEZ

SULZER | PART NO. - | EN | PGA1004629100050-01 | 1 / 3

PGA1004629100050-01_Z21_000_09081d9 sigel-3 REY:ESBE 2024-05-09T12:51:49 1,000 NP

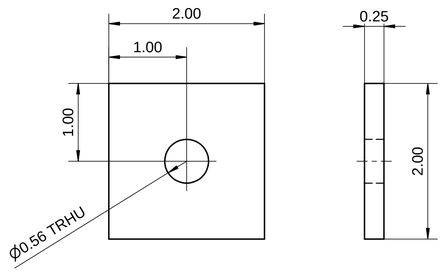
MAXIMUM NOZZLE LOADINGS

Forces do comply with 2X of the forces shown in API 610 2.0 11th

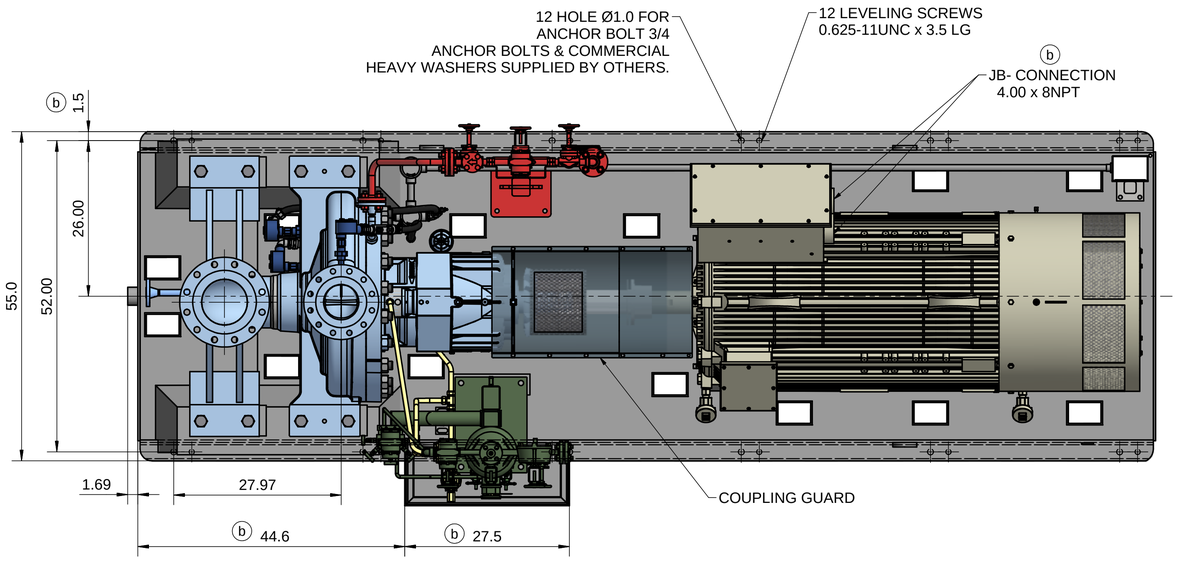


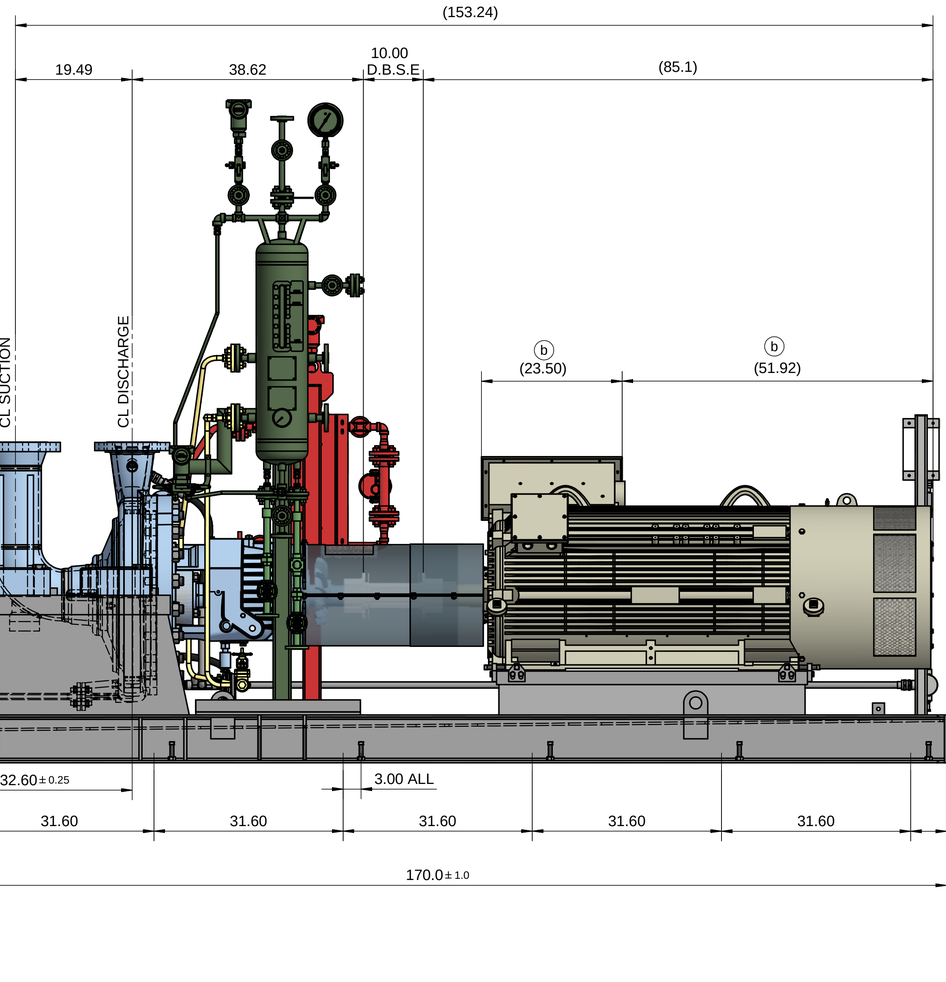
FORCE IN (Lb) MOMENTS IN (Ft-Lb)

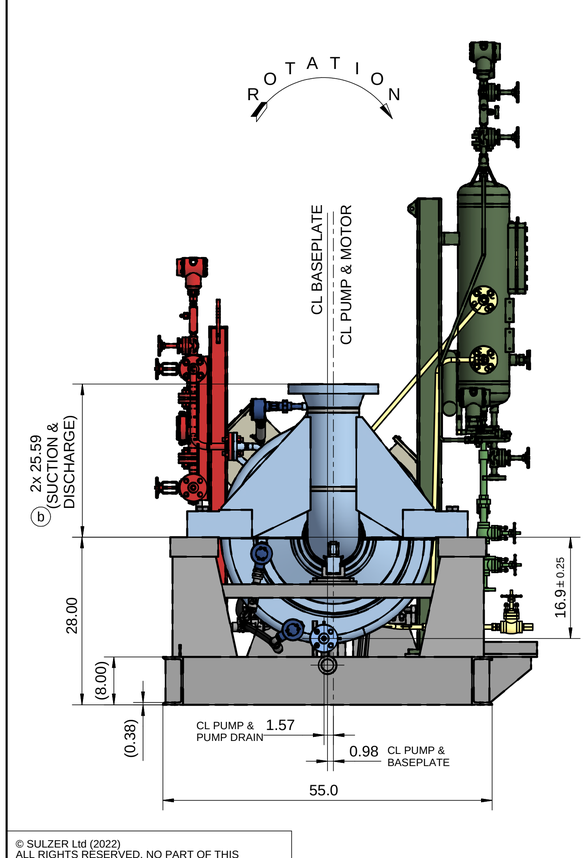
		SUCT	DISCH
FORCE	Fx	1700	1120
	Fy	1400	920
	Fz	2200	1400
	Fr	3120	2020
MOMENTS	Mx	5200	3400
	My	2600	1740
	Mz	3800	2600
	Mr	7000	4620



GROUNDING LUGS DETAIL







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CONTRACT DATA

PURCHASER:	Air Products and Manufacturing LLC
USER:	World Energy Paramount
JOB/PROJECT:	World Energy Renewables Project
CUST. P.O. NO.:	4505610423
SERVICE:	Product Fractionator Reboiler Circulation Pump
INSTALLED AT:	World Energy, Paramount, California USA
PUMP OEM:	SULZER PUMPS
SULZER ORDER NO.:	100462910-0050
WBS:	1801 (b)
CWA:	12 (b)

IDENTIFICATION NUMBERS

SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
650961	18-P-356A	18-P-356AM
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UNLESS OTHERWISE SPECIFIED
TOLERANCES
.X ± .50
.XX ± .12

AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 1.0

REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED
(d)	AS BUILT REVISION	06-MAY-2024 A.GUTIERREZ	06-MAY-2024 A.GUTIERREZ	06-MAY-2024 C. GONZALEZ

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

OHH	GENERAL ARRANGEMENT	DRAWN: 11-FEB-2022 M. MORALES
6X8X26-1	FOUNDATION AND NOZZLE	CHECKED: 11-FEB-2022 A. GUTIERREZ
SULZER PUMPS	-	APPROVED: 11-FEB-2022 C. GONZALEZ
100462910-0050	GENERAL ARRANGEMENT DRAWING	

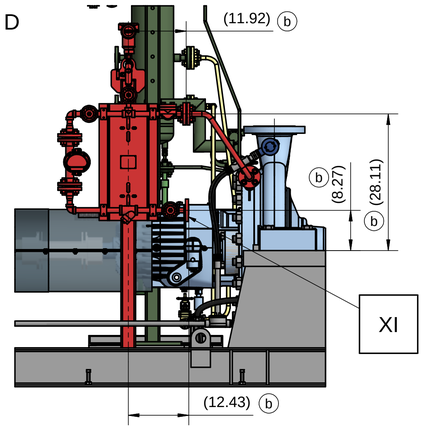
SULZER | PART NO. - | EN | PGA1004629100050-01 | 2 / 3

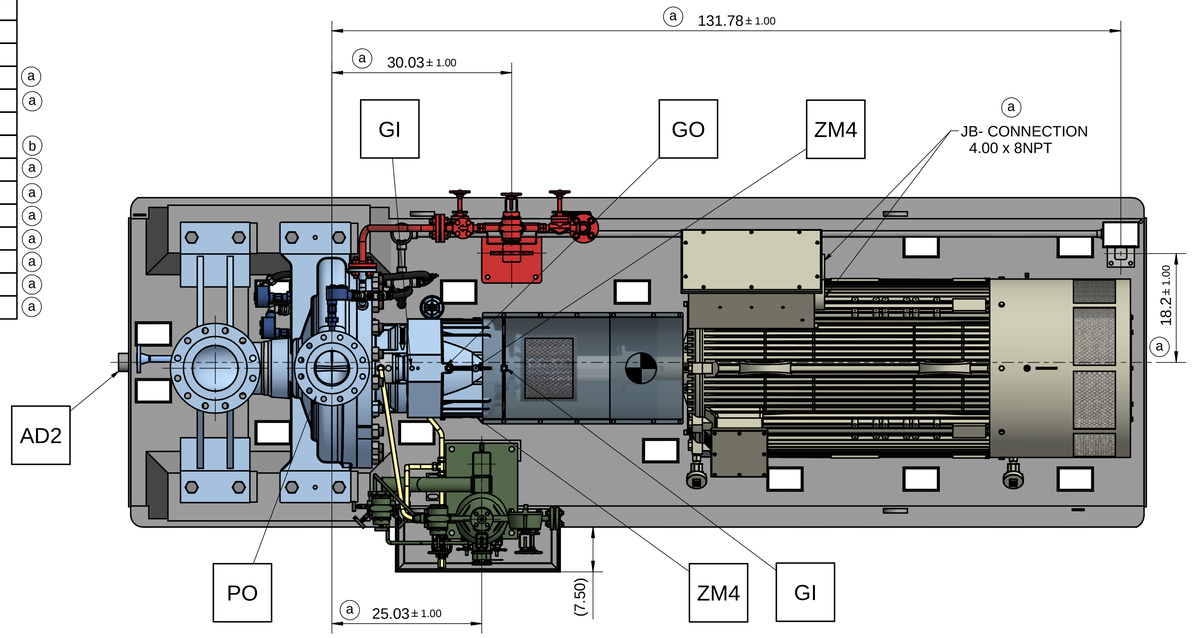
PGA1004629100050-01_Z21_000_0906fd9 d-pep-3 REYESBE 2024-05-09T12:51:49 1.000 NP

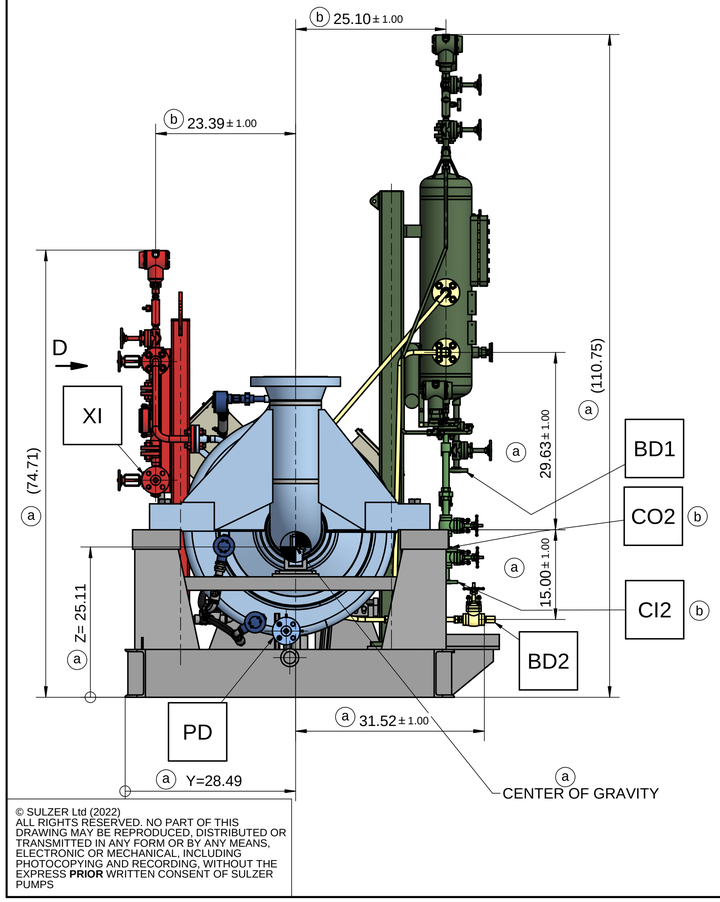
CONNECTION LEGEND

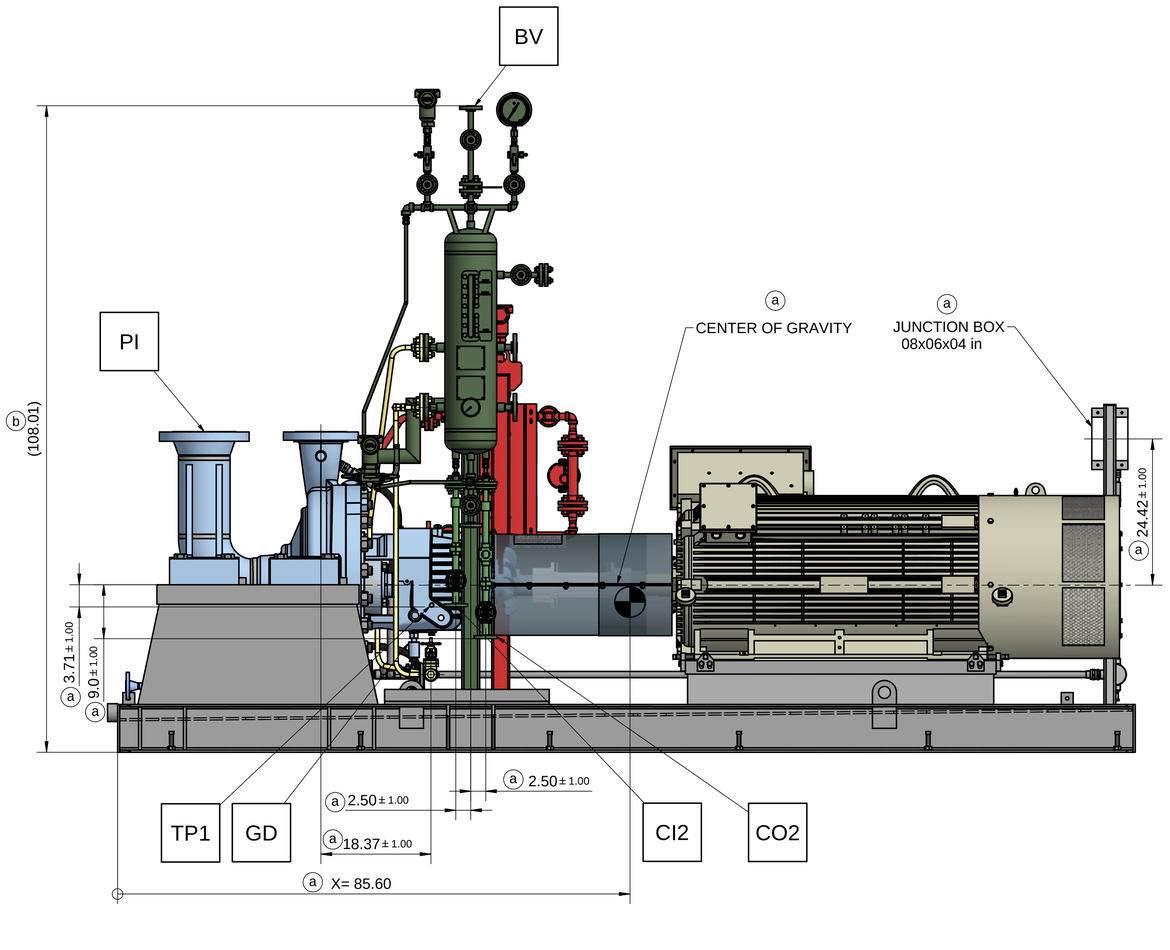
ITEM	DESCRIPTION	SIZE	TYPE	
PI	PUMP SUCTION NOZZLE	8"	300 RF	
PO	PUMP DISCHARGE NOZZLE	6"	300 RF	
PD	PUMP DRAIN	0.75"	300 RF	
AD2	BASE DRAIN	2"	NPT FEMALE	
GI	OIL MIST - INLET (PROVISIONS)	0.25"	NPT PLUGGED	a
GO	OIL MIST - OUTLET (PROVISION)	0.75"	NPT PLUGGED	a
GD	OIL DRAIN	0.75"	NPT PLUGGED	
TP1	PURGE MIST OVERFLOW (PROVISION)	0.25"	NPT PLUGGED	b
BV	RESERVOIR - VENT	0.50"	300# RF FLANGE	a
BD1	RESERVOIR DRAIN	0.50"	300# RF FLANGE	a
BD2	SEAL DRAIN	0.75"	NPT PLUGGED	a
CI2	COOLING HEADER - INLET	0.75"	150# RF FLANGE	a
CO2	COOLING HEADER - OUTLET	0.75"	150# RF FLANGE	a
XI	EXTERNAL FLUSH INJECTION	0.75"	300# RF FLANGE	a
ZM4	VIBRATION PAD	1.00"	FLAT SURFACE	a

b DETAIL D









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a CONTRACT DATA

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INSTALLED AT:	World Energy, Paramount, California USA
PUMP OEM:	SULZER PUMPS
SULZER ORDER NO.:	100462910-0050
WBS:	1801 b
CWA:	12 b

IDENTIFICATION NUMBERS

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	PUMP	DRIVER
650961	18-P-356A	18-P-356AM
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AUXILIARY CUSTOMER CONNECTION DIMENSIONS ± 1.0

a

COG	X	Y	Z
PUMP	30.91	27.75	30.66
MOTOR	121.56	28.43	28.28
BASEPLATE	76.53	27.85	11.21
SYSTEM	83.62	29.81	27.94

COG=CENTER OF GRAVITY

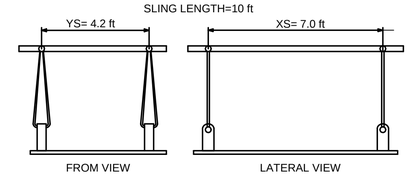
NOTES:

1. CONNECTION INDICATED IN BOX □ ARE CUSTOMER CONNECTIONS POINTS.
2. BASEPLATE PREPARED FOR EPOXY GROUT AND SEAL WELDED.
3. a DYNAMIC LOAD NEGLIGIBLE.
4. a PUMP ROTOR WEIGHT: 386 LBS. MOTOR ROTOR: 1850 LBS.
5. b LIFTING LUGS DESIGNED FOR LIFTING WITH SPREADER BAR AS SHOWN BELOW (TO AVOID INTERFERENCE WITH MAIN MOTOR JUNCTION BOX).

*(SPREADER BAR, SLINGS/CHAINS BY CUSTOMER).

LIFE TYPE: 4 POINTS WITH SPREADER BAR

SLING LENGTH=10 ft



REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED
d	AS BUILT REVISION	06-MAY-2024 A.GUTIERREZ	06-MAY-2024 A.GUTIERREZ	06-MAY-2024 C. GONZALEZ

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

OHH 6X8X26-1 SULZER PUMPS 100462910-0050	GENERAL ARRANGEMENT CONNECTION LAYOUT - GENERAL ARRANGEMENT DRAWING	DRAWN: 11-FEB-2022 M. MORALES CHECKED: 11-FEB-2022 A. GUTIERREZ APPROVED: 11-FEB-2022 C. GONZALEZ

SULZER | PART NO. - | EN | PGA1004629100050-01 | 3 / 3

PGA1004629100050-01_Z21_000_0906fd9 d-pep-3 REYESBE 2024-05-09T12:51:49 1.000 NP