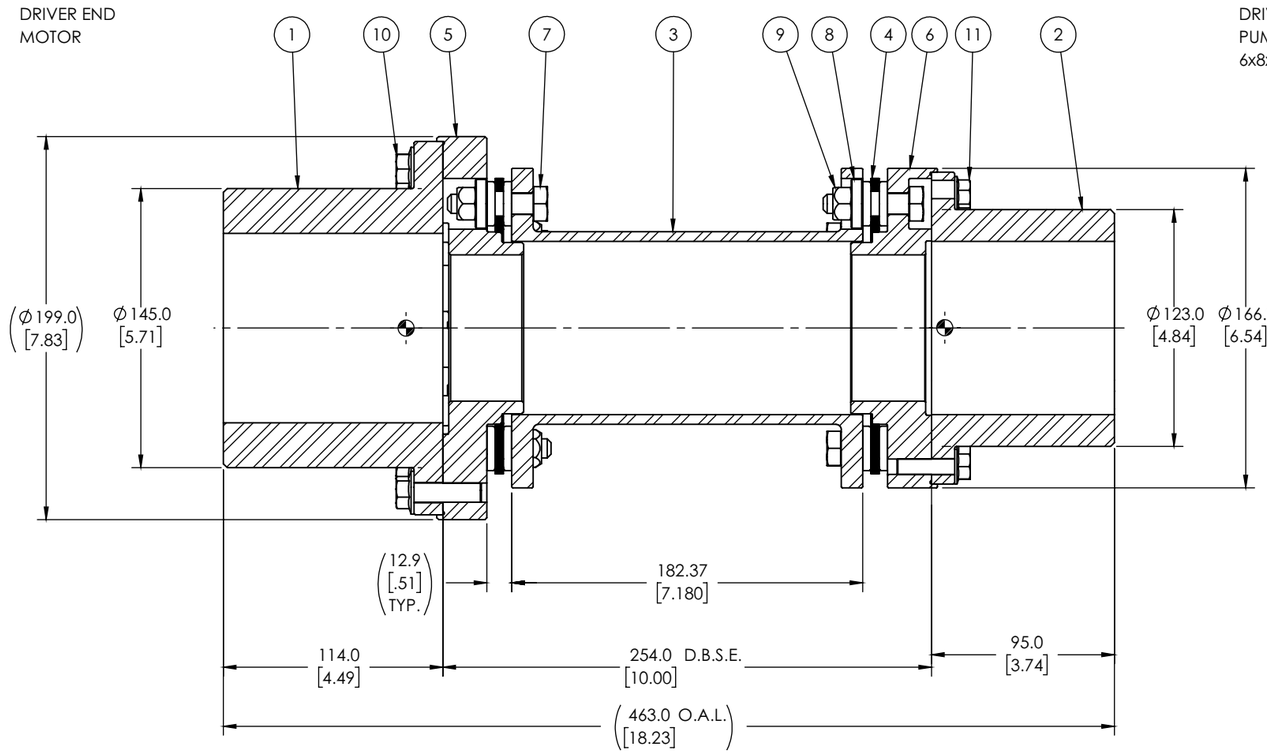
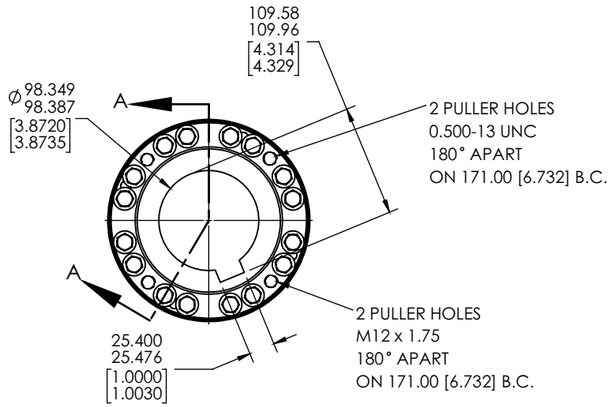
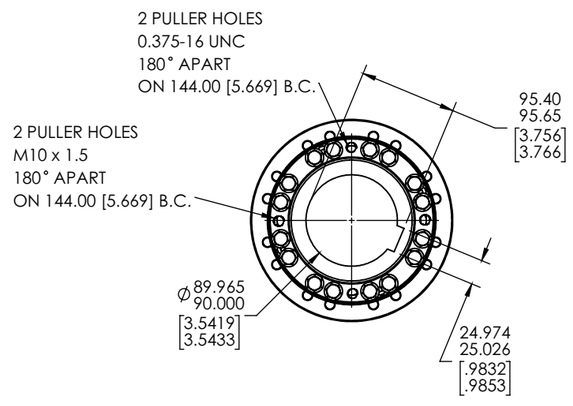
SECTION A-A







ITEM	PART NO	DESCRIPTION	QTY	MATERIAL	COMMENTS
11	10000152	CAPSCREW	16	CLASS 10.9	
10	10000154	CAPSCREW	16	CLASS 10.9	
9	10000184	LOCKNUT	16	CLASS 10	
8	10000215-01	OVERLOAD BUSHING	16	AISI 4140	
7	10000125	BOLT	16	CLASS 12.9	
6	10001135	ADAPTER	1	AISI 1146 OR 1141 OR 1045	
5	10001785	ADAPTER	1	AISI 1146 OR 1141 OR 1045	
4	10000095	DISC PACK	2	301 STAINLESS STEEL	
3	76871	CENTERMEMBER	1	AISI 1146 OR 1141 OR 1045	
2	77416	HUB	1	AISI 1146 OR 1141 OR 1045	
1	77417	HUB	1	AISI 1146 OR 1141 OR 1045	

H. CUSTOMER NOTES
CUSTOMER MATERIAL NUMBER: CPL100462910005001
PURCHASER: AIR PRODUCT MANUFACTURING LLC
USER: AIR PRODUCT MANUFACTURING LLC
JOB/PROJECT: WORLD ENERGY RENEWABLES PROJECT
CUST P.O. NO.: 4505610423
SERVICE: PRODUCT FRACTIONATOR REBOILER CIRCULATION PUMP
INSTALLED AT: PARAMOUNT, CA
PUMP OEM: SULZER PUMPS (US) INC.
SULZER SALES ORDER NO.: 100462910-0050/0051
CUSTOMER TAG NUMBERS: 18-P-356 A & 18-P-356 B
SULZER SERIAL NO. 650961 & 650962

J. NOTES
BOTH HUB FLANGES TO BE STAMPED WITH THE CUSTOMER PO (4501856202-50) , WBS Q/0100462910-0050-113 AND ORDER SAP ALSO MARKING THE SIZE AND MODEL COUPLING ON THE HUBS

SULZER
Engineering Document Review
Reviewed for general dimensions and connections. Acceptance does not relieve the supplier of responsibility or liability,and conformance with the Contract Purchase Order and relevant specifications.
- [x] APPROVED
- [ ] APPROVED REVISE & RESUBMIT
- [ ] NOT APPROVED REVISE & RESUBMIT
- [ ] REVIEWED NO COMMENTS
- [ ] REVIEWED REVISE & RESUBMIT

By: A. GUTIERREZ
Date: 4:26 pm, Jan 20, 2023

A. TORSIONAL DATA (CALC.)
WT = 27.4 kg [60.4 lbs]
WR^2 = 116102.8 kg-mm^2 [396.7 lbs-in^2]
Kt = 3.31E^5 Nm/rad [2.93E^6 in-lbs/rad]
(BASED ON 1/3 SHAFT PENETRATION FACTOR IN BOTH HUBS)

CENTERLINE OF GRAVITY
DRIVER END
16.8 kg. [37.04 lbs] AT 18.9 mm [0.74 in.] FROM SHAFT END, TOWARDS EQUIPMENT.
DRIVEN END
10.6 kg. [23.37 lbs] AT 6.9 mm [0.27 in.] FROM SHAFT END, TOWARDS EQUIPMENT.

B. COUPLING TORQUE RATINGS
MAXIMUM CONTINUOUS = 3550 Nm [31400 in-lbs]
PEAK OVERLOAD = 7100 Nm [62800 in-lbs]

C. MISALIGNMENT RATINGS
MAX. ANGULAR = 1/3° (PER FLEX ELEMENT)
MAX. PARALLEL OFFSET = 1.13 mm. [0.045 in]
MAX. AXIAL = ±1.60 mm. [±0.063 in] (DOUBLE FLEXING)

D. OPERATING DATA
POWER = 372.9 kW [500 HP]
SPEED = 1800 RPM
TORQUE = 1978.4 Nm [17507 in-lbs]
SERVICE FACTOR = 1.79

E. CAUTION NOTE
FLEX JOINT LOCKNUTS HAVE BEEN FACTORY TIGHTENED AND ARE NOT TO BE DISTURBED WHEN ASSEMBLING OR DISASSEMBLING ON EQUIPMENT.

F. ORDER INFORMATION DATA
P.O. NO.: 4501856202
LINE ITEM: 50
CUSTOMER: SULZER PUMPS MEXICO, SA DE CV

(A) G. BALANCING INFORMATION
COUPLING CONFORMS TO API 610 11th EDITION
COUPLING TO BE ASSEMBLY BALANCED PER ISO 21940-1 G2.5
BALANCE CERTIFICATION REQUIRED

CERTIFIED DRAWING		
CUSTOMER P.O. #:	4501856202	
REXNORD ORDER #:	1999082-50	
REV. #: A	PER: AKP	DATE: NOV-15-2022

REVISIONS		
A		

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REXNORD
COUPLING GROUP
WWW.REXNORD.COM
THOMAS
Flexible Couplings

THIRD ANGLE PROJECTION
mm
[INCH]

DR. SLK	4/6/2022	
CHK. SLK	4/6/2022	

COUPLING ASSEMBLY
1298 XTSR 71-XL
STANDARD

DRAWING NO. S00090779	REV. A
SAP MTL. 10911701	SHEET 1 OF 1
ORDER NO. 1999082-50	