

DRIVER END
MOTOR
FRAME: 324TS

DRIVEN END
PUMP
2x3x8-1



H. CUSTOMER NOTES
CUSTOMER MATERIAL NUMBER: CPL100462910002001
PURCHASER: AIR PRODUCTS MANUFACTURING LLC.
USER:WORLD ENERGY PARAMOUNT
JOB/PROJECT: WORLD ENERGY RENEWABLES PROJECT
CUST P.O. NO.: 4505610423
SERVICE: LP ABSORBER RICH AMINE PUMP
INSTALLED AT: PARAMOUNT,CA,USA
PUMP OEM: SULZER PUMPS (US) INC.
SULZER SALES ORDER NO.: 100462910-0020/0021
CUSTOMER TAG NUMBERS: 18-P-351 A & 18-P-351 B
SULZER SERIAL NO. 650955 & 650956

I. NOTES
BOTH HUB FLANGES TO BE STAMPED WITH THE CUSTOMER
PO (4501856202-20) , WBS Q/0100462910-0020-113
AND ORDER SAP ALSO MARKING THE SIZE AND MODEL
COUPLING ON THE HUBS.

A. TORSIONAL DATA (CALC.)
WT = 3.6 kg [7.9 lbs]
WR^2 = 4087.8 kg-mm² [14 lbs-in²]
Kt = 9.65E^3 Nm/rad [8.54E^4 in-lbs/rad]
(BASED ON 1/3 SHAFT PENETRATION FACTOR IN BOTH HUBS)

CENTERLINE OF GRAVITY
- DRIVER END
2.2 kg. [4.85 lbs] AT 2.9 mm [0.12 in.] FROM SHAFT END,
TOWARDS EQUIPMENT.
- DRIVEN END
1.4 kg. [3.09 lbs] AT 3.3 mm. [0.13 in] FROM SHAFT END,
AWAY FROM EQUIPMENT.

B. COUPLING TORQUE RATINGS
MAXIMUM CONTINUOUS = 145 Nm [1280 in-lbs]
PEAK OVERLOAD = 290 Nm [2560 in-lbs]

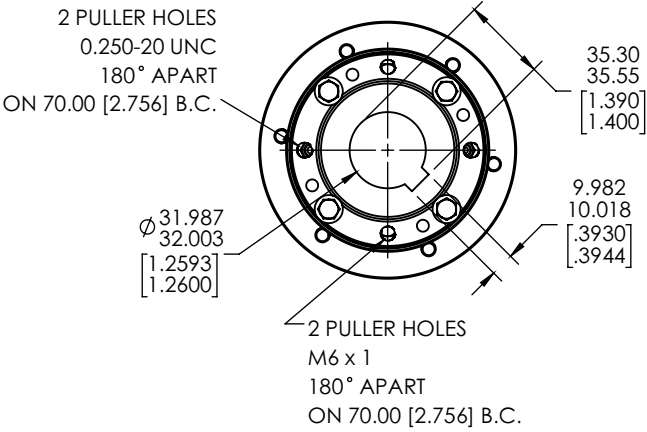
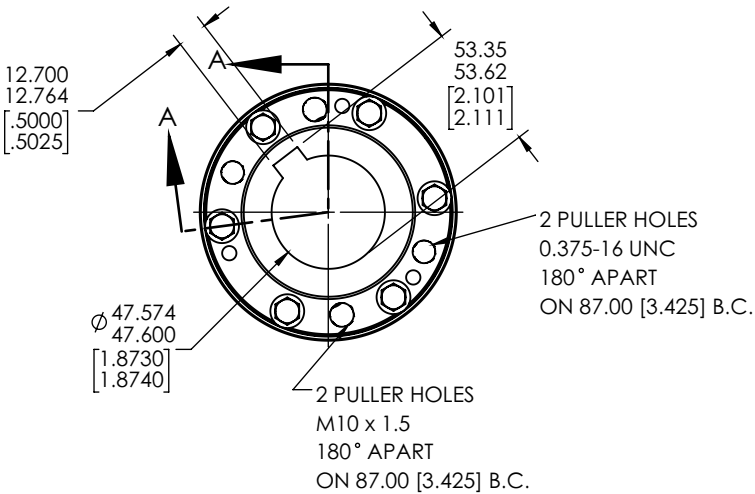
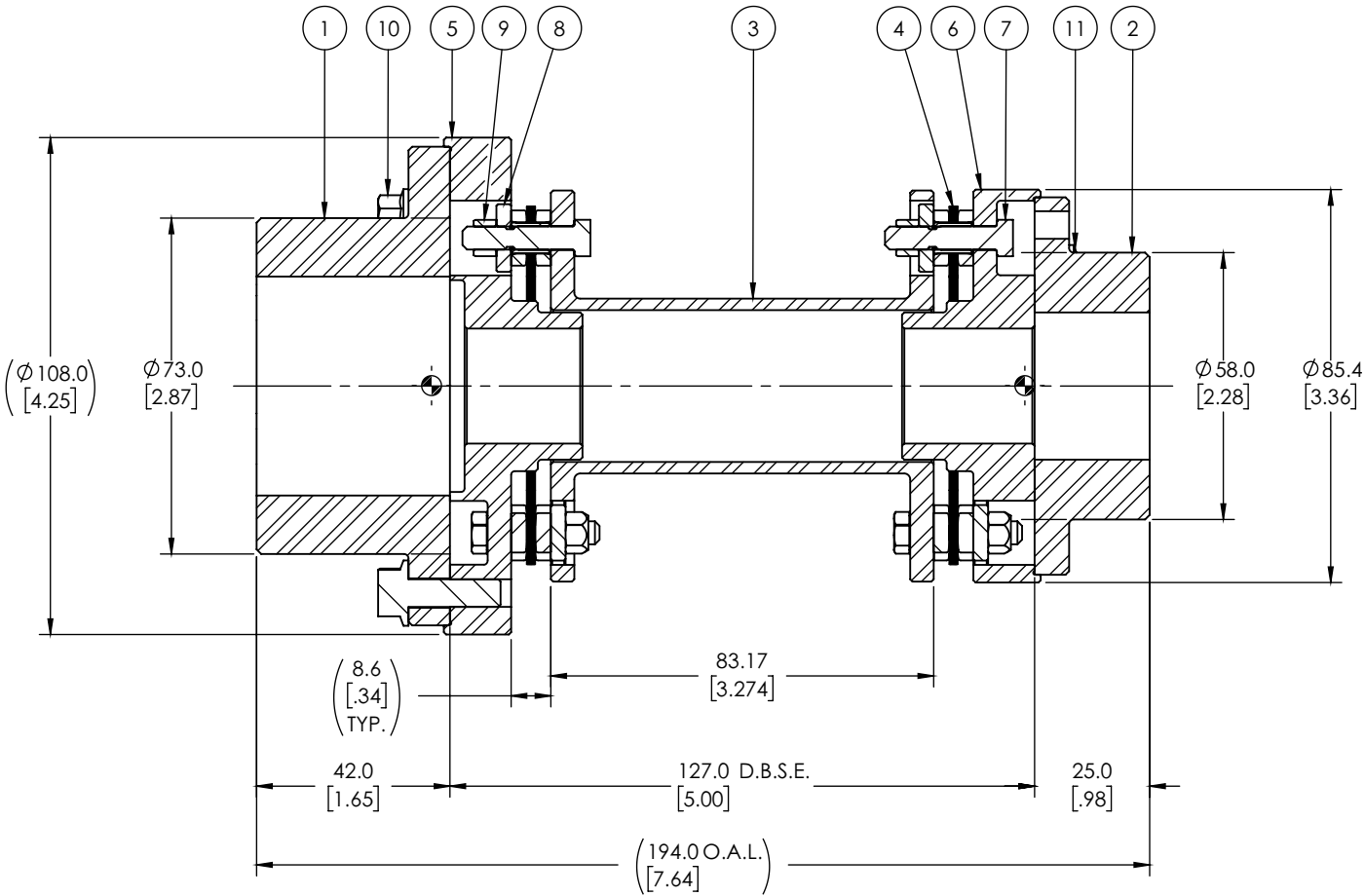
C. MISALIGNMENT RATINGS
MAX. ANGULAR = 2/3° (PER FLEX ELEMENT)
MAX. PARALLEL OFFSET = 1.07 mm. [0.042 in]
MAX. AXIAL = ±1.70 mm. [±0.067 in] (DOUBLE FLEXING)

D. OPERATING DATA
POWER = 29.8 kW [40 HP]
SPEED = 3600 RPM
TORQUE = 79.1 Nm [700 in-lbs]
SERVICE FACTOR = 1.83

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: 20
REF. DRAWING NO 1: 2-104760253 - 000 PUMP SIZE 2x3x8-1
REF. DRAWING NO 2: 2-104760253 - 000 FRAME 324TS
CUSTOMER: SULZER PUMPS MEXICO, SA DE CV

G. BALANCING INFORMATION
COUPLING CONFORMS TO API 610 11th EDITION
COUPLING TO BE ASSEMBLY BALANCED PER ISO 1940-1 G2.5
BALANCE CERTIFICATION REQUIRED.



11	10003200	CAPSCREW	4	CLASS 10.9	
10	10000151	CAPSCREW	6	CLASS 10.9	
9	10000181	LOCKNUT	8	CLASS 10	
8	10000211-01	OVERLOAD BUSHING	8	AISI 4140	
7	10000121	BOLT	8	CLASS 12.9	
6	10003754	ADAPTER	1	AISI 1146 OR 1141 OR 1045	
5	10003218	ADAPTER	1	AISI 1146 OR 1141 OR 1045	
4	10002803	DISC PACK	2	301 STAINLESS STEEL	
3	10003242	CENTERMEMBER	1	AISI 1146 OR 1141 OR 1045	
2	82704	HUB	1	AISI 1146 OR 1141 OR 1045	
1	77413	HUB	1	AISI 1146 OR 1141 OR 1045	
ITEM	PART NO	DESCRIPTION	QTY	MATERIAL	COMMENTS

REVISIONS

B	EC220714B	07-14-2022

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THIRD ANGLE PROJECTION

mm
[INCH]

DR. SLK	4/5/2022
CHK. SLK	4/5/2022

COUPLING ASSEMBLY
0644 XTSR 71-XXL
STANDARD

CERTIFIED DRAWING

CUSTOMER P.O. #:	4501856202		
REXNORD ORDER #:	1999082-20		
REV. #:	B	PER: CRN	DATE: JUL-14-2022

REXNORD

COUPLING GROUP

WWW.REXNORD.COM

THOMAS

Flexible Couplings

DRAWING NO. S00090777	REV. B
SAP MTL 10874969	SHEET
ORDER NO. 1999082-20	1 OF 1

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