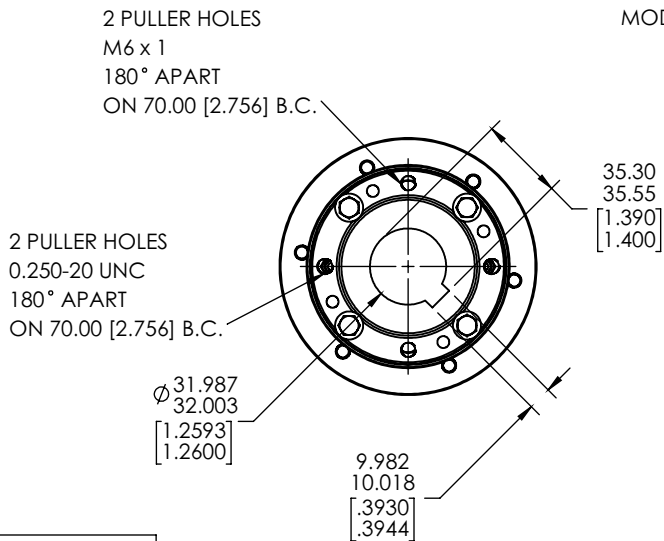
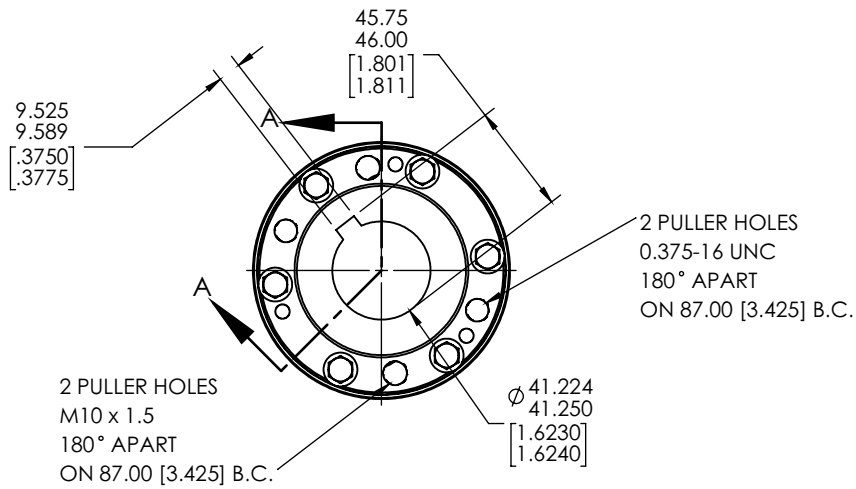
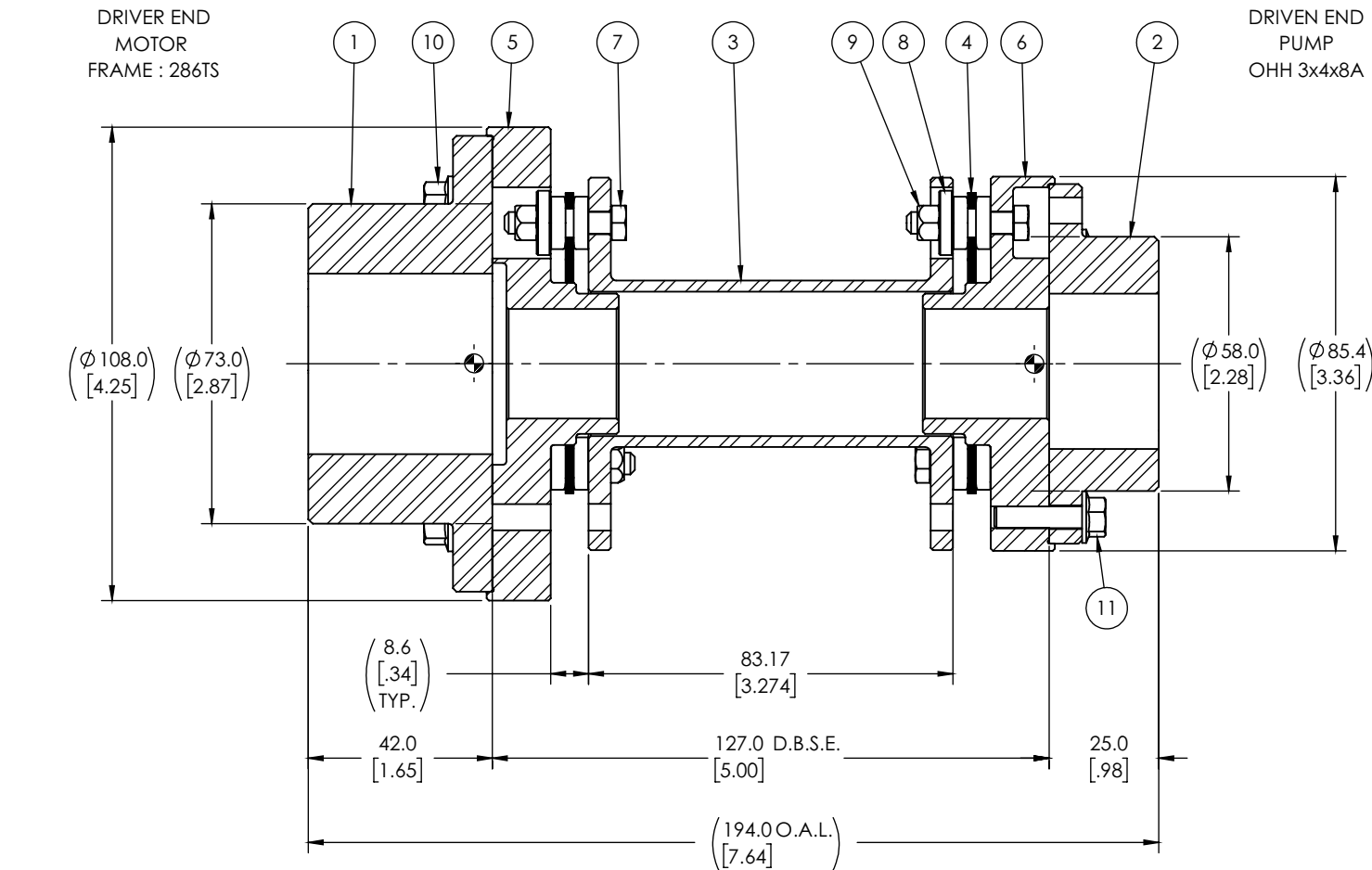


SECTION A-A



A H. CUSTOMER NOTES
CUSTOMER MATERIAL NUMBER : CPL100456493001001
PURCHASER'S NAME: AIR PRODUCTS MANUFACTURING LLC.
END USER'S NAME: WORLD ENERGY PARAMOUNT
PROJECT NAME / NO.: WORLD ENERGY RENEWABLES PROJECT
PURCHASER'S P.O. NO.: 4505551383
SITE / LOCATION: WORLD ENERGY, PARAMOUNT, CA, USA
EQUIPMENT SERVICE: T-10003 RECIRCULATING PUMP
PUMP TAG NUMBER: 18-P-1805
DRIVER TAG NUMBER: 18-P-1805M
PUMP SERIAL NUMBER: 649499
SULZER SALES ORDER NO: 100456493-0010

I.NOTES
BOTH HUB FLANGES TO BE STAMPED WITH THE CUSTOMER
PO (4501855683) CUSTOMER MATERIAL NUMBER (CPL100456493001001)
WBS(Q/0100456493-0010-113) ALSO MARKING THE SIZE AND
MODEL OF THE COUPLING ON THE HUBS

- A. TORSIONAL DATA (CALC.)
WT = 3.8 kg [8.4 lbs]
 $WR^2 = 4170.7 \text{ kg}\cdot\text{mm}^2$ [14.3 lbs-in²]
 $K_t = 9.60E^3 \text{ Nm/rad}$ [8.52E⁴ in-lbs/rad]
(BASED ON 1/3 SHAFT PENETRATION
FACTOR IN BOTH HUBS)
- CENTERLINE OF GRAVITY
DRIVER END
2.4 kg. [5.31 lbs] AT 4.1 mm [0.16 in.] FROM SHAFT END,
TOWARDS EQUIPMENT.
DRIVEN END
1.4 kg. [2.99 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 = $\pm 1.70 \text{ mm.}$ [$\pm 0.067 \text{ in}$] (DOUBLE FLEXING)
- D. OPERATING DATA
POWER = 18.6 kW [25 HP]
SPEED = 3600 RPM
TORQUE = 49.3 Nm [438 in-lbs]
SERVICE FACTOR = 2.92
- 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.: 4501855683
LINE ITEM: 10
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

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A								
THIRD ANGLE PROJECTION		mm [INCH]	DR. AKP	3/14/2022	COUPLING ASSEMBLY 0644 XTSR 71-XXL STANDARD	DRAWING NO. S00087455	REV. A	
			CHK. AKP	03/14/2022		SAP MTL. 10869151	SHEET	
						ORDER NO. 1998633-3	1 OF 1	