



NOTE:
 1) THE HARDNESS OF WEARING
 STATIONARY : HRC38~43 (BHN 353~400)
 ROTATIONALY : HRC24~30 (BHN 247~286)
 2) THE DESIGN CLEARANCE

PARTS NAME	DIAMETER	CLEARANCE
A CASE WEAR RING (107-1)	φ320	0.620~0.737
B CASE WEAR RING (107-2)	φ332	0.640~0.757
C SLEEVE BEARING (052)	φ85.7	0.126~0.160

3) REFERENCE DOCUMENTS AND DRAWING

OWNER'S DOC/DRAWING No.	DOCUMENT/DRAWING NAME
TJ856-L1-OFF-C-LAC-M-DAS-3833	DATA SHEET FOR MBFP BOOSTER PUMP
TJ856-L1-OFF-C-LAC-M-IRD-2804	OUTLINE DRAWING FOR MOTOR DRIVEN BOILER FEEDWATER PUMP AND BOOSTER PUMP
TJ856-L1-OFF-C-LAC-M-FID-2129	PIPING AND INSTRUMENT DIAGRAM FOR MOTOR DRIVEN BOILER FEEDWATER PUMP SYSTEM
TJ856-L1-OFF-C-LAC-M-IRD-2752	SECTION DRAWING FOR MBFP AND BOOSTER PUMP MECHANICAL SEAL
TJ856-L1-OFF-C-LAC-M-IRD-2713	SECTION DRAWING FOR MBFP COUPLING (MOTOR TO BP)

4) EQUIPMENT KKS CODE
 MBFP BP: 60LAC13 AP010KP01
 5) HEAVY PARTS
 MBFP BP

No.	PARTS NAME	WEIGHT (KG)
001	CASING	1750
018	GLAND COVER	500
021	IMPELLER	80
031	SHAFT	100

6) SHAFT LENGTH: APPROX. 1300
 SHAFT DIA. ON BEARING : φ85.7

No.	NAME OF PART	QTY	UNIT	REMARKS
017-1	CASE WEAR RING	1	PC	HARDENED
033	DEFLECTOR	2	PC	
083	IMPELLER BUSHING	3	PC	
084	IMPELLER BRACKET	2	PC	
057	BEARING BRACKET	2	PC	
056	BALL BEARING	1 set	#1313BMBR (3)	
053	SLEEVE BEARING	1	PC	A48 Cl.888 40
052	SLEEVE BEARING	2	PC	A16 Gr. 105/103 H6.2
051-2	BEARING CASING	1	PC	A48 Cl.888 40
049	SLEEVE NUT	2	PC	A276 TYPE 304
048	IMPELLER NUT	1	PC	A276 TYPE 420
045	DISTANCE PIECE	1	PC	A283 Gr. D
044	BALL COVER	1	PC	A48 Cl.888 30
042	MECHANICAL SEAL SLEEVE	2	PC	A276 TYPE 304
039-2	KEY (FOR COUPLING)	1	PC	A576 Gr. 1050
039-1	KEY (FOR IMPELLER)	1	PC	A276 TYPE 420
031	SHAFT	1	PC	A276 TYPE 420
021	IMPELLER	1	PC	A487M CARB. CL. A
018	GLAND COVER	1	PC	A487M CARB. CL. A
010	SCREW/CPL SEAL COVER	1	PC	A487M CARB. CL. A
001	CASING	1	PC	A487M CARB. CL. A

No.	NAME OF PART	QTY	UNIT	REMARKS
310	SET PLATE	2	PC	SUS304
285	AIR BREATHER	1	PC	ALUMINUM
156	PNL (FOR BEARING)	2	PC	S45C
129	BEARING NUT	1	PC	S3400
128	COUPLING NUT	1	PC	A283 Gr. D
120-3	BOLT/NUT (FOR BEARING BRACKET)	16	PC	M22X85L
120-2	BOLT/NUT (FOR MECH. COVER)	8	PC	M20X150L
120-1	BOLT/NUT (FOR CASING)	24	PC	M42X175L
117-3	GASKET (FOR BEARING COVER)	1	PC	NON-ABES10S
117-2	GASKET (FOR CASING)	1	PC	SUS316/GRAPHITE A276 TYPE 316/GRAPHITE
117-1	GASKET (FOR DEFLECTOR)	3	PC	SUS316/GRAPHITE A276 TYPE 316/GRAPHITE
115-5	O-RING (FOR BEARING BRACKET)	2	PC	NBR
115-4	O-RING (FOR BEARING BRACKET)	2	PC	NBR
115-3	O-RING (FOR MECH. SLEEVE)	2	PC	FKM
115-2	O-RING (FOR MECH. SLEEVE)	2	PC	FKM
115-1	O-RING (FOR MECH. COVER)	2	PC	FKM
042	IMPELLER	1	PC	SUS304
043	IMPELLER NUT	1	PC	SUS304
044	IMPELLER BRACKET	1	PC	SUS304
045	DISTANCE PIECE	1	PC	SUS304
048	IMPELLER NUT	1	PC	SUS304
049	SLEEVE NUT	2	PC	SUS304
051-1	BEARING CASING	1	PC	SUS304
051-2	BEARING CASING	1	PC	SUS304
052	SLEEVE BEARING	2	PC	SUS304
053	SLEEVE BEARING	1	PC	SUS304
056	BALL BEARING	2	PC	SUS304
057	BEARING BRACKET	2	PC	SUS304
083	IMPELLER BUSHING	3	PC	SUS304
084	IMPELLER BRACKET	2	PC	SUS304
017-1	CASE WEAR RING	1	PC	SUS304

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CUSTOMER: PT. BHUMI JATI POWER
 PROJECT: 350250XSM71
 DRAWING NO.: R170411905-105
 SHEET NO.: 2
 SECTION: SECTION DRAWING FOR MBFP BOOSTER PUMP
 TITLE: SECTION DRAWING FOR MBFP BOOSTER PUMP
 DATE: 11/11/2023
 DRAWN BY: M. N. N. A. T.
 CHECKED BY: M. N. N. A. T.
 APPROVED BY: A. TALIGAM
 VICE PRESIDENT
 PT. BHUMI JATI POWER