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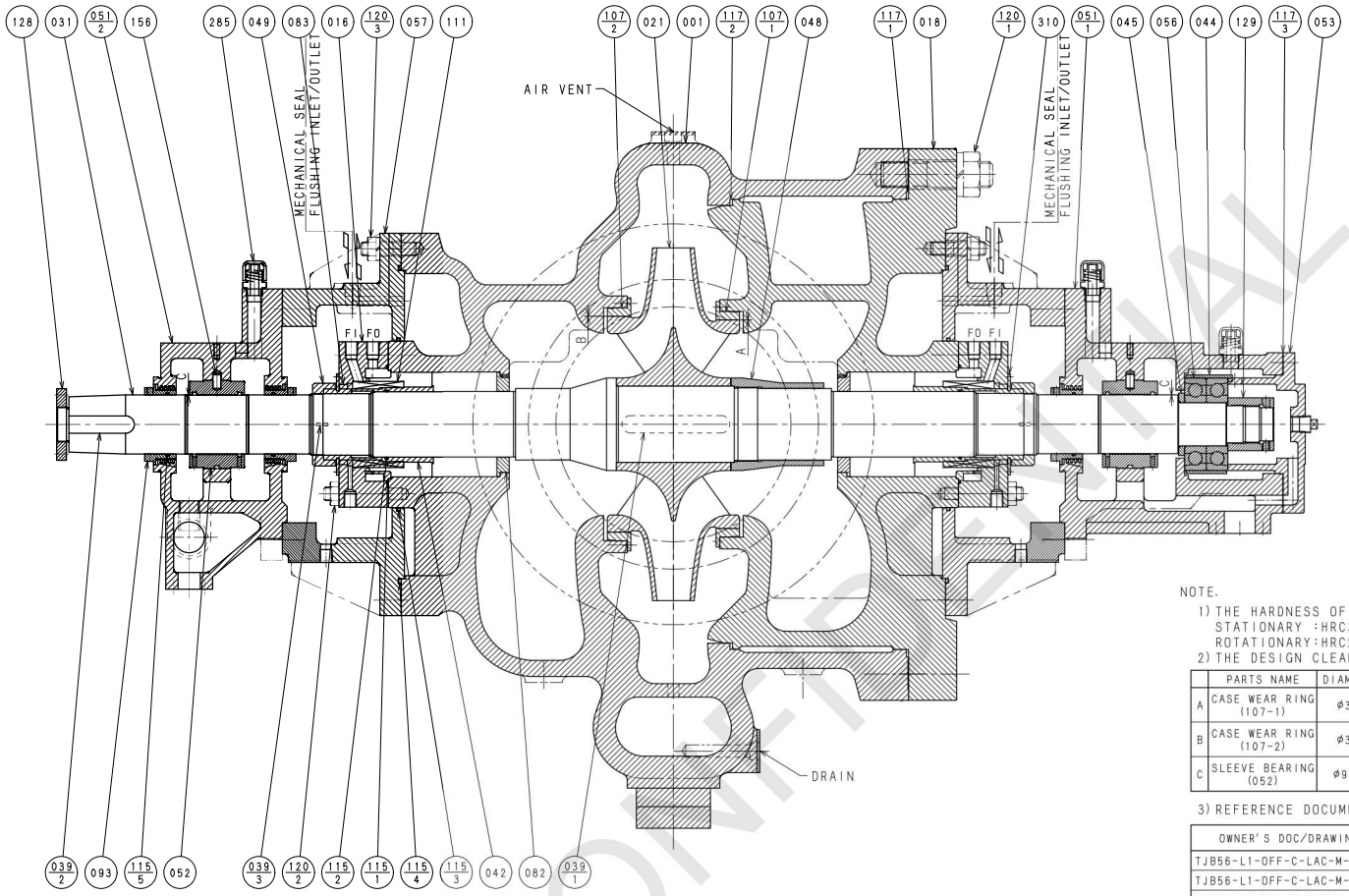
NO.	REVISIONS DESCRIPTION	DATE	BY	APP.
1	REVISED	Dec.25.17	N. M	A. T
2	REVISED	Nov.25.18	N. M	A. T
-	ISSUED FOR USE	Jan.30.18	N. M	A. T



NOTE.

1) THE HARDNESS OF WEARING
STATIONARY : HRC38~43 (BHN 353~400)
ROTATIONARY : HRC24~30 (BHN 247~286)

2) THE DESIGN CLEARANCE

	PARTS NAME	DIAMETER	CLEARANCE
A	CASE WEAR RING (107-1)	φ338	0.670~0.829
B	CASE WEAR RING (107-2)	φ350	0.670~0.765
C	SLEEVE BEARING (052)	φ95.3	0.174~0.226

3) REFERENCE DOCUMENTS AND DRAWING

OWNER'S DOC/DRAWING. No.	DOCUMENT/DRAWING NAME
TJB56-L1-OFF-C-LAC-M-DAS-3631	DATA SHEET FOR TBFP BOOSTER PUMP
TJB56-L1-OFF-C-LAC-M-DRD-2600	OUTLINE DRAWING FOR TURBINE DRIVEN BOILER FEEDWATER PUMP AND BOOSTER PUMP
TJB56-L1-OFF-C-LAC-M-PID-2128	PIPING AND INSTRUMENT DIAGRAM FOR TURBINE DRIVEN BOILER FEEDWATER PUMP SYSTEM
TJB56-L1-OFF-C-LAC-M-DRD-2706	SECTIONAL DRAWING FOR TBFP AND BOOSTER PUMP MECHANICAL SEAL
TJB56-L1-OFF-C-LAC-M-DRD-2705	SECTIONAL DRAWING FOR TBFP COUPLING (G/B TO BP)

4) EQUIPMENT KKS CODE
TBFP BP : 50LAC11 AP010KP01, 60LAC11 AP010KP01
: 50LAC12 AP010KP01, 60LAC12 AP010KP01

5) HEAVY PARTS
TBFP BP

No.	PARTS NAME	WEIGHT (KG)
001	CASING	1850
018	GLAND COVER	550
021	IMPELLER	90
031	SHAFT	110

6) SHAFT LENGTH : APPROX. 1980
SHAFT DIA. ON BEARING : φ95.3

No.	NAME OF PART	MATERIAL		QUANTITY (FOR 1 SET)	REMARKS
083	THROTTLE BUSHING	CARBON	———	2	
082	THROAT BUSHING	SUS420J2	A276 TYPE 420	2	
057	BEARING BRACKET	FC300	A48 Class 40	2	
056	BALL BEARING	———	———	1 set	#7314BMDB C3
053	BEARING COVER	FC300	A48 Class 40	1	
052	SLEEVE BEARING	S25C/WJ2	A576 Gr.1025/B23 No.2	2 sets	BGF-100
051-2	BEARING CASING	FC300	A48 Class 40	1 set	
051-1	BEARING CASING	FC300	A48 Class 40	1 set	
049	SLEEVE NUT	SUS304	A276 TYPE 304	2	
048	IMPELLER NUT	SUS420J1	A276 TYPE 420	1	
045	DISTANCE PIECE	SS400	A283 Gr.D	1	
044	BALL COVER	FC200	A48 Class 30	1	
042	MECHANICAL SEAL SLEEVE	SUS304	A276 TYPE 304	2	
039-3	KEY (FOR MECHANICAL SEAL)	SUS420J2	A276 TYPE 420	2	
039-2	KEY (FOR COUPLING)	S50C	A576 Gr.1050	1	
039-1	KEY (FOR IMPELLER)	SUS420J2	A276 TYPE 420	1	
031	SHAFT	SUS420J1	A276 TYPE 420	1	
021	IMPELLER	———	A487M CA6NM CL.A	1	
018	GLAND COVER	———	A487M CA6NM CL.A	1	
016	MECHANICAL SEAL COVER	SUS304	A276 TYPE 304	2	
001	CASING	———	A487M CA6NM CL.A	1	

No.	NAME OF PART	MATERIAL		QUANTITY (FOR 1 SET)	REMARKS
310	SET PLATE	SUS304	A276 TYPE 304	2 sets	
285	AIR BREATHER	ALUMINUM	———	3	
156	PIN (FOR BEARING)	S45C	A576 Gr.1045	2	
129	BEARING NUT	S35C	A576 Gr.1035	1	
128	COUPLING NUT	SS400	A283 Gr.D	1	
120-3	BOLT&NUT (FOR BEARING BRACKET)	SCM435	AISI 4135	16	M22X85L
120-2	BOLT&NUT (FOR MECH. COVER)	SUS403	A276 TYPE 403	16	M20X150L
120-1	BOLT&NUT (FOR CASING)	SCM435	AISI 4135	24	M42X180L
117-3	GASKET (FOR BEARING COVER)	V#6500	NON-ASBESTOS	1	
117-2	GASKET (FOR CASING)	SUS316/GRAPHITE	A276 TYPE 316/GRAPHITE	1	
117-1	GASKET (FOR CASING)	SUS316/GRAPHITE	A276 TYPE 316/GRAPHITE	1	
115-5	O-RING (FOR DEFLECTOR)	NBR	———	3	
115-4	O-RING (FOR BEARING BRACKET)	NBR	———	2	
115-3	O-RING (FOR BEARING BRACKET)	NBR	———	2	
115-2	O-RING (FOR MECH. SLEEVE)	FKM	———	2	
115-1	O-RING (FOR MECH. COVER)	FKM	———	2	
111	MECHANICAL SEAL	———	———	2 sets	
107-2	CASE WEAR RING	SUS420J2	A276 TYPE 420	1	HARDENED
107-1	CASE WEAR RING	SUS420J2	A276 TYPE 420	1	HARDENED
098	DEFLECTOR	CAC406	B584 C83600	1	

EBARA SER. No.	R170411902 R170411908	CUSTOMER	TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION
MODEL	400x300KST71	SET	4
FINAL USER	PT BHUMI JATI POWER		
APP'D BY	A. TAKIGAMI	DSN'D BY	N. MATSUSHITA Jan.30.17
CHK'D BY		DRW'N BY	Y. IETA Jan.30.17
TITLE	SECTION DRAWING FOR TBFP BOOSTER PUMP	PROJ.	
SCALE	1:NON		
DWG. No.	PR170411902/905	REV.	3
DOC. No.	R170411902-105	REV.	3

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