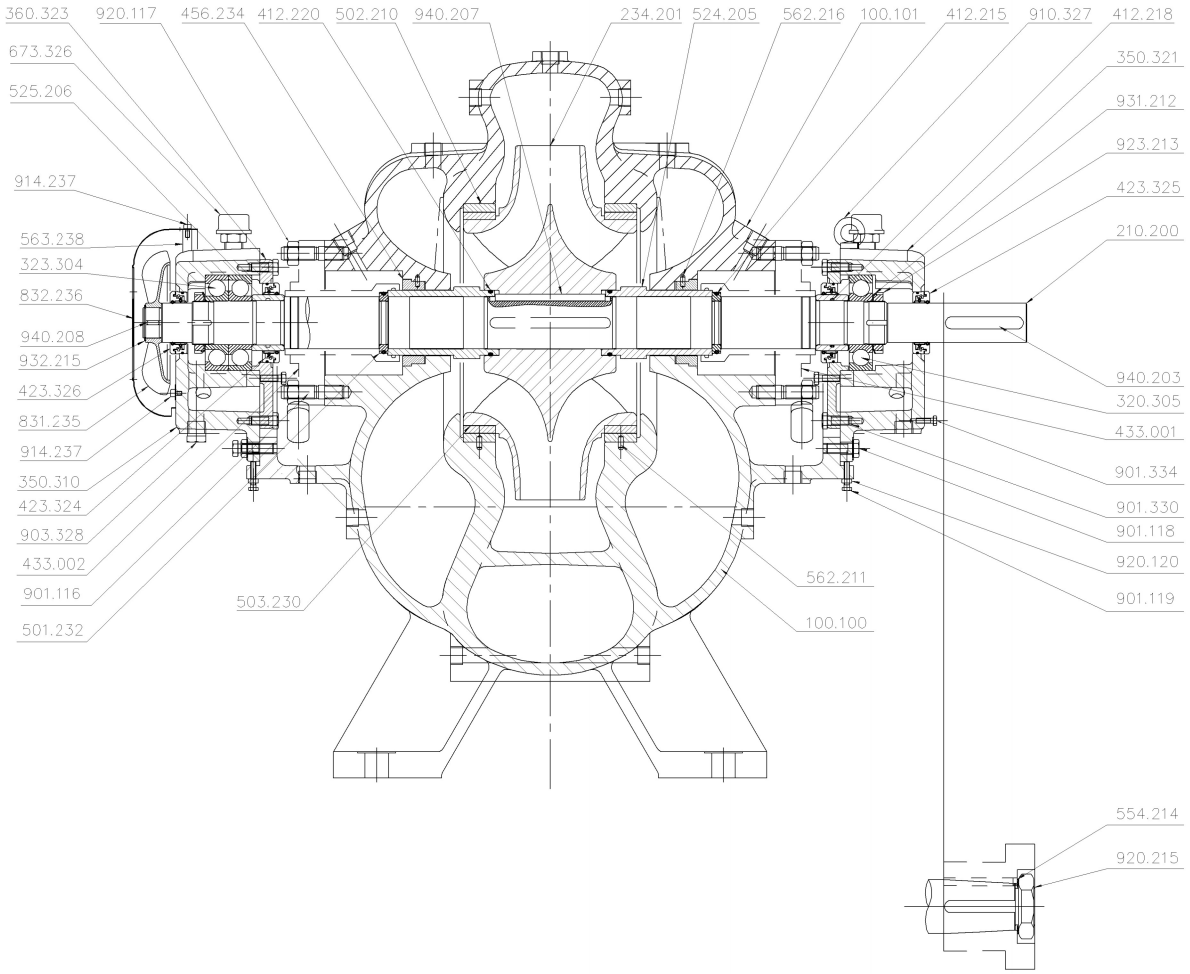
PSP1002817170010-01_222_000_070Smhn dl-gep-1 LEICH 2019-06-11T10:56:16 1.000



CONTRACT DATA

PURCHASER: Toshiba Corporation

USER: PT.Bhumi Jati Power

JOB/PROJECT: Tanjung Jati B Expansion (Jawa-4)
Coal Fired Steam Power Plant 2x1000MW

CUST. P.O. NO.: M31-128755

SERVICE: Closed Cycle Cooling Water Pump

INSTALLED AT: Jepara,Jawa Tengah-Indonesia

PUMP OEM: Sulzer Pumps Suzhou

SULZER ORDER NO.: 100281717

IDENTIFICATION NUMBERS

SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
593819	50PGC11AP010	50PGC11AP010-M01
593820	50PGC12AP010	50PGC12AP010-M01
593821	50PGC13AP010	50PGC13AP010-M01
593822	60PGC11AP010	60PGC11AP010-M01
593823	60PGC12AP010	60PGC12AP010-M01
593824	60PGC13AP010	60PGC13AP010-M01
-	--	--
-	-	-
-	-	-
-	-	-

DRAWING CONTENT

SHEET DESCRIPTION	SHEET NO.
PUMP CROSS SECTION	1
PART LIST	2

Project Document Number: TJB56-L1-OFF-C-PG_-M-DRD-2721

Referance Drawings:
1) Outline Drawing: TJB56-L1-OFF-C-PG_-M-DRD-2612
2) Piping and Instrument Diagram: TJB56-L1-OFF-C-PG_-M-PID-2139
3) Datasheet: TJB56-L1-OFF-C-PG_-M-DAS-3638

REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED
ⓒ	Updated information	2018/08/8 S.Jia	2018/08/8 C.Xu	2018/08/8 F.Xu
ⓑ	Updated according to comments	2018/03/19 S.Jia	2018/03/19 C.Xu	2018/03/19 B.Germaine
ⓐ	First Issue	2018/01/15 S.Jia	2018/01/15 C.Xu	2018/01/15 B.Grmaine

SEP. PARTS LIST: NO | FORMAT A3 | DESIGN GROUP: Sulzer Pumps (SUZHOU) Ltd. | THIRD ANGLE PROJECTION

REPLACED BY: - | SUBSTITUTE FOR: -

ORIGINAL SCALE: -

SMH
402-720
TANJUNG JATI
100281717

PUMP CROSS SECTION
Section Drawing for Closed Cycle Cooling Water Pump
SECTION DRAWING

DRAWN: 2018/01/15 S.Jia
CHECKED: 2018/01/15 C.Xu
APPROVED: 2018/01/15 B.Germaine

Rev. 1 | SULZER | PART NO. - | EN | PCS1002817170010-01 | 1 / 2

COPYRIGHT © (2018/01/15) SULZER PUMPS (SUZHOU) INC.
ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED, DISTRIBUTED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING AND RECORDING, WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF SULZER PUMPS (SUZHOU) INC.

SIMILAR DRG. SIMILAR_DWG

MACHINING REGULATIONS SEE DRAWING STANDARDS.

PSP1002817170010-01_222_000_070Smhn dl-gep-1 LEICH 2019-06-11T10:56:16 1.000

FIND NO.	DESCRIPTION	Qty	MATERIAL
100.100	CASE;BOTTOM HALF	1	ASTM A216 Gr WCB
100.101	CASE;TOP HALF	1	ASTM A216 Gr WCB
411.128	* WASHER (SEAL RING); ø24/36x2	34	AISI 304
901.121	* JACKING SCREW - CASE; TOP HALF	2	ISO898-1 8,8 Zn coated
902.110	* STUD - PART FLANGE; M24x60	30	ASTM A193 Gr B7; Black Oxide
902.111	* STUD - PART FLANGE; M24x110	4	ASTM A193 Gr B7; Black Oxide
920.112	* CAP NUT - PART FLANGE; M24	34	ASTM A194 Gr 2H; Black Oxide
566.113	* TAPER PIN - CASE; TOP HALF	2	ISO3506-1 A2-50 (18-8)
920.115	* NUT - CASE TAPER PIN; M16	2	ASTM A194 Gr 2H Zn Finish-1
554.114	* WASHER - CASE TAPER PIN; ø17/30x3	2	ISO A4 (316/316L)
434.000	* SEALANT - PART FLANGE	3	LOCTITE SI 5699
234.201	IMPELLER	1	ASTM A743 CA6NM
503.230	IMPELLER RING;MACH	2	ASTM A743 CA 40 ; 240 to 270 HB
904.231	* SETSCREW - IMPELLER RING	6	AISI 316
501.232	SPLIT RING	2	AISI 316
412.215	O-RING; ø139.37x2.62;161mm	2	NBR 70 (Buna N, Nitrile)
524.205	SHAFT PROT SLEEVE	2	ASTM A743 GR CA40 240-270 HB
412.220	O-RING; ø151.99x3.53; 258mm	2	NBR 70 (Buna N, Nitrile)
210.200	SHAFT	1	ASTM A276 Type420
502.210	STATIONARY RING	2	ASTM A743 CA 40 Soft Nitride; 320 - 350HB; > 600HV
562.211	DOWEL PIN - STATIONARY RING	2	ISO A4 (316/316L)
562.216	DOWEL PIN - THROAT BUSHING	2	ISO A4 (316/316L)
920.215	SHAFT NUT	1	AISI 1045
554.214	WASHER - SHAFT NUT; 91mm;148mm;1.2mm	1	AISI 1020
904.101	* SETSCREW - SHAFT NUT	4	ISO A4 (316/316L)
940.207	KEY - IMPELLER	1	ASTM A276 UNS S42000
940.203	KEY - COUPLING	1	AISI Gr 1018 Cold finished; > 125 HB
350.321	BEARING HOUSING - DE	1	ASTM A216 Gr WCB
350.310	BEARING HOUSING - NDE	1	ASTM A216 Gr WCB
360.323	BEARING COVER	2	ASTM A216 Gr WCB
831.235	FAN	1	Aluminium
940.208	KEY	1	AISI Gr 1018 Cold finished; > 125 HB
932.215	RETAINING RING	1	Steel Spring;
320.305	BEARING - RADIAL	1	SKF 6326 J/C3
923.213	BEARING NUT	2	DIN981 Steel - Min UTS 350 MPa or 50 Ksi
931.212	LOCK WASHER	2	DIN5406 Steel-Min UTS 300 MPa or 42,86 Ksi
323.304	BEARING - THRUST	2	SKF 7326 BGBM
525.206	SPACER SLEEVE	2	ASTM A743 Gr CA40 : 325-375 HB
412.218	O-RING; ø132.94x3.53;252mm	2	ISO1629 EPDM 1150 (Ethylene- Propylene)
423.325	LABYRINTH RING	1	Bronze
423.326	LABYRINTH RING	1	Bronze
910.327	EYEBOLT	2	ASTM A489/DIN C15E
673.326	AIR RELEASE FILTER	2	Steel; Zn Galv.
638.314	* CONSTANT LEVEL OILER	2	Aluminun/Glass/Zinc Steel
901.334	JACKING SCREW - BEARING COVER	4	ASTM A193 Gr B7-A2B (Zn galvanized acc. spec.)
901.330	HEX. HEAD SCREW	16	ASTM A193 Gr B7-A2B (Zn galvanized acc. spec.)
903.328	THREADED PLUG	14	ASTM A182 Gr F316L
423.324	LABYRINTH RING	2	Bronze
832.236	FAN SHROUD	1	AISI 1020
914.237	SCREW - FAN SHROUD	6	ISO898-1 8,8
936.100	* SPRING WASHER	6	DIN 128;FORM A;Spring; Zn EP+Cr(VI)pass;
563.238	BOLT - FAN SHROUD	4	ASTM A108 Gr 1045
901.118	HEX HEAD SCREW	8	ASTM A193 Gr B7-A2B (Zn galvanized acc. spec.)
901.119	HEX. HEAD SCREW	6	ISO898-1 8.8 Zn coated
920.120	Hex. full nuts;M10	6	ASTM A194 Gr 2H
433.001	MECHNICAL SEAL; DE	1	BY SEAL VENDOR (EagleBurgmann_Cartridge Seal Single Type)
433.002	MECHNICAL SEAL; NDE	1	BY SEAL VENDOR (EagleBurgmann_Cartridge Seal Single Type)
901.116	STUD (MECHANICAL SEAL) ; M20	8	BY SEAL VENDOR (EagleBurgmann)
920.117	NUT; M20	8	BY SEAL VENDOR (EagleBurgmann)
456.234	THROAT BUSHING	2	ASTM A743,Gr CA40; Soft Nitride; 320 - 350HB; > 600HV;
-	-	-	-

Note: 1, PARTS WITH * (NOT SHOWN)

2, PART 411.128/902.110/902.111/902.112 TO BE PAINTED BEFORE DELIVERY.

CONTRACT DATA

PURCHASER: Toshiba Corporation

USER: PT.Bhumi Jati Power

JOB/PROJECT: Tanjung Jati B Expansion (Jawa-4)
Coal Fired Steam Power Plant 2x1000MW

CUST. P.O. NO.: M31-128755

SERVICE: Closed Cycle Cooling Water Pump

INSTALLED AT: Jepara,Jawa Tengah-Indonesia

PUMP OEM: Sulzer Pumps Suzhou

SULZER ORDER NO.: 100281717

IDENTIFICATION NUMBERS

SULZER SERIAL NO.	CUSTOMER TAG NO'S	
	PUMP	DRIVER
593819	50PGC11AP010	50PGC11AP010-M01
593820	50PGC12AP010	50PGC12AP010-M01
593821	50PGC13AP010	50PGC13AP010-M01
593822	60PGC11AP010	60PGC11AP010-M01
593823	60PGC12AP010	60PGC12AP010-M01
593824	60PGC13AP010	60PGC13AP010-M01
-	--	--
-	-	-
-	-	-
-	-	-

DRAWING CONTENT

SHEET DESCRIPTION	SHEET NO.
PUMP CROSS SECTION	1
PART LIST	2

Project Document Number: TJB56-L1-OFF-C-PG_-M-DRD-2721

REV.	MODIFICATION	MODIFIED	CHECKED	APPROVED
ⓒ	Updated information	2018/08/8 S.Jia	2018/08/8 C.Xu	2018/08/8 F.Xu
ⓑ	Updated according to comments	2018/03/19 S.Jia	2018/03/19 C.Xu	2018/03/19 B.Germaine
ⓐ	First Issue	2018/01/15 S.Jia	2018/01/15 C.Xu	2018/01/15 B.Germaine

SEP. PARTS LIST: NO | FORMAT A3 | DESIGN GROUP Sulzer Pumps (SUZHOU) Ltd. | THIRD ANGLE PROJECTION

REPLACED BY: - | SUBSTITUTE FOR: - | ORIGINAL SCALE: -

SMH 402-720

TANJUNG JATI 100281717

PART LIST
BALL/BALL WITH FAN &180° BRKT
Section Drawing for
Closed Cycle Cooling Water Pump

DRAWN: 2018/01/15 S.Jia
CHECKED: 2018/01/15 C.Xu
APPROVED: 2018/01/15 B.Germaine

Rev. 1 | SULZER | PART NO. - | EN | PCS1002817170010-01 | 2 / 2

COPYRIGHT © (2018/01/15) SULZER PUMPS (SUZHOU) INC.
ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED, DISTRIBUTED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING AND RECORDING, WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF SULZER PUMPS (SUZHOU) INC.

SIMILAR DRG. SIMILAR_DWG

MACHINING REGULATIONS SEE DRAWING STANDARDS.