

PARTS LIST		SEWER & WASTEWATER PUMPS			9/6/2013	
ITEM	PART No.	DESCRIPTION	QTY	SIZE	MATERIAL	NOTES
1	009-127-14	Terminal	4	R-1.25-4	CU	
2	140-018-11	Hex.Bolt	3	M5x15	SUS304	
3	142-422-18	Seal Washer	3	PM-5	SUS+NBR	
4	003-111-20	Gland	1		SUS304	
5	001-812-22	Cabtyre Cable Set (10m)230V-60Hz(USA)	1	2PNCT4Cx1.25mm2	BE/CE	
5	001-812-22	Cabtyre Cable Set (10m)460V-60Hz(USA)	1	2PNCT4Cx1.25mm2	BE/CE	
6	009-274-17	Compression type Terminal	4	TMNB-2(Insulated)		
7	009-131-11	Terminal	7	R-5.5-6	CU	
8	140-055-10	Hex.Bolt	8	M8x25	SUS304	
9	142-163-18	Spring Washer	8	M8	SUS304	
10	070-107-18	Cable Clamp	2		FC	
11	140-035-14	Hex.Bolt	4	M6x20	SUS304	
12	006-126-14	Stuffing Box	2	No.2	FC	
13	001-938-25	Cabtyre Cable Set (10m)230V-60Hz(USA)	1	2PNCT4Cx5.5mm2	KR-2	
13	001-938-25	Cabtyre Cable Set (10m)460V-60Hz(USA)	1	2PNCT4Cx5.5mm2	KR-2	
14	008-143-13	Mould Cover	1	KR2-8	CR	
15	143-085-21	Pan Screw (w/Spring Washer)	1	M4x6	SWRM	
16	009-130-10	Terminal	1	R-5.5-4	CU	
17	001-939-26	Cabtyre Cable Set (10m)230V-60Hz(USA)	1	2PNCT3Cx5.5mm2	KR-2	
17	001-939-26	Cabtyre Cable Set (10m) 460V-60Hz(USA)	1	2PNCT3Cx5.5mm2	KR-2	
18	008-136-13	Mould Cover 230V-60Hz(USA)	1	KR2-1	CR	
18	008-136-13	Mould Cover 460V-60Hz(USA)	1	KR2-1	CR	
19	009-276-19	Compression type Terminal 230V-60Hz(USA)	6	TMNB-5.5(Insulated)		
19	009-276-19	Compression type Terminal 460V-60Hz(USA)	6	TMNB-5.5(Insulated)		
20	072-107-27	Eye Bolt	2	M16	SUS304	
21	140-098-15	Hex.Bolt	4	M12x35	SUS304	
22	142-165-10	Spring Washer	4	M12	SUS304	
23	050-000-60	Motor Bracket	1	MJA6135Z-C 15KW-2P	FC	
24	122-173-19	O-Ring	1	V-225(222.5xd6)	NBR	
25	142-000-56	Wave Washer	1	MJA6135Z-C 15KW-2P	SK5	
26	052-109-14	Bearing	1	6306ZZC3		
27	122-245-13	O-Ring	1	71.4xd3.1	NBR	
28	058-000-20	Lead Wire Protection Plate	1	MJA6135Z-C 15KW-2P	SPHC	
29	009-000-99	Terminal Piece	3	MJA6167Z-C 22KW-2P	SBR	
30	055-001-66	Rotor	1Set	MJA6135Z-C 15KW-2P		
31	147-000-15	Impeller Key	1	16x10x50	SUS420	
32	053-309-19	Motor Protector	3	9700K-46-215	(H)	
33	056-004-93	Stator 230V-60Hz(USA)	1Set	MJA6135Z 15KW-2P 230V		
33	056-004-92	Stator 460V-60Hz(USA)	1Set	MJA6135Z-C 15KW-2P 460V		
34	140-101-12	Hex.Bolt	4	M12x50	SUS304	
35	142-165-10	Spring Washer	4	M12	SUS304	
36	064-000-92	Motor Frame	1		FC	
37	144-000-45	Screw	1	MJA6135Z-C 15KW-2P	SUS304	
38	142-292-17	Seal Washer	1	W-8	SPC+NBR	

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39	122-173-19	O-Ring	1	V-225(222.5xd6)	NBR	
40	140-033-12	Hex.Bolt	3	M6x16	SUS304	
41	142-162-33	Spring Washer	3	M6	SWRH	
42	062-000-08	Bearing Collar	1	MJA6135Z-C 15KW-2P	SS	
43	052-142-19	Bearing	1Set	6311ZZD2C3		
44	140-100-11	Hex.Bolt	4	M12x45	SUS304	
45	142-165-10	Spring Washer	4	M12	SUS304	
46	146-031-18	Retaining Ring	1	C55	SK5	
47	060-001-10	Bearing Housing	1		FC	
48	090-112-18	Leakage Sensor(Float)	1	OLV-5-2(B)		
49	142-297-12	Seal Washer	1	SM-10	SUS+NBR	
50	026-143-19	Oil Seal	1	TC-507212	NBR	
51	035-113-18	Drain Plug	1	M12x14	SUS304	
52	121-247-12	Packing	1	d12.3xd18x2t	PE	
53	122-156-16	O-Ring	1	G-250(249.3xd5.7)	NBR	
54	140-099-16	Hex.Bolt	6	M12x40	SUS304	
55	142-165-10	Spring Washer	6	M12	SUS304	
56	029-000-36	Casing Cover	1	TO150BG415-53/63	FC	
57	121-247-12	Packing	1	d12.3xd18x2t	PE	
58	035-113-18	Drain Plug	1	M12x14	SUS304	
59	035-113-18	Oil Plug	2	M12x14	SUS304	
60	121-247-12	Packing	2	d12.3xd18x2t	PE	
61	122-160-13	O-Ring	1	G-290(289.3xd5.7)	NBR	
62	025-268-18	Mechanical Seal	1	H-50T	SiC	
63	143-028-13	Pan Screw	3	M5x10	SWRM	
64	030-133-19	Oil Lifter	1	H-50(T)	SPCC	
65	029-000-83	Oil Casing	1	TOS80C215-CR-61	FC	
66	140-099-16	Hex.Bolt	6	M12x40	SUS304	
67	142-165-10	Spring Washer	6	M12	SUS304	
68	029-000-84	Casing Plate	1	TOS80C215-CR-61	FC	
69	144-000-44	Hex.Socket Set Screw	4	M12x25	SUS304	
70	140-286-12	Hex. Socket Cap Bolt	3	M10x30	SUS304	
71	026-000-11	Oil Seal	1	TC-8511013	NBR	
72	040-113-14	Impeller Shim		d32.5xd48x0.3t	SUS304	
73	021-007-61	Impeller (60Hz)	1	80C215-CR-61	HiCrFC	
74	145-035-19	Taper Pin	1	5x10	SUS304	
75	142-430-19	Impeller Fixing Washer	1	d18xd60x11t	SUS304	
76	217-020-17	Fixing Plate	1	d60x3t M16(B=24)	SUS304	
77	140-232-13	Hex. Socket Cap Bolt	2	M5x10	SUS304	
78	140-126-13	Hex.Bolt	1	M16x50	SUS304	
79	046-000-03	Air Release Valve	1	PT-1/2	SUS304	
80	122-270-17	O-Ring	1	350xd5.7	NBR	
81	020-002-18	Pump Casing	1	TOS80C215-CR-61	FC	
82	120-121-16	Packing (S.Cover)		d204xd264x0.3t	PE	

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83	022-001-73	Suction Cover	1	80C215-CR-61	HiCrFC	
84	142-165-10	Spring Washer	6	M12	SUS304	
85	140-097-14	Hex.Bolt	6	M12x30	SUS304	
86	023-000-84	Pump Stand	1	80C215-CR-61	SS	
87	142-168-13	Spring Washer	4	M20	SUS304	
88	140-147-10	Hex.Bolt	4	M20x45	SUS304	
89	140-130-36	Hex.Bolt	8	M16x70	SWRM	
90	048-000-54	Screwed Flange	1	NPT-3(JIS10K)	FC	
91	121-105-33	Packing	1	JIS10Kx80mm	NR	
92	121-153-10	Packing	1	160mm2(P.C.165)	NBR	
93	142-166-37	Spring Washer	8	M16	SWRH	
94	141-008-11	Hex.Nut	8	M16	SUS304	
95	037-155-18	Discharge Bend	1	100x80mm(S-4B)	FC	
96	140-124-11	Hex.Bolt	4	M16x40	SUS304	
97	142-166-11	Spring Washer	4	M16	SUS304	
		<Guide rail rail fittings>				
	093-161-11	Guide Hook	1	TOS-100F	FCD	
	140-151-17	Hex.Bolt	2	M20x65	SUS304	
	142-168-13	Spring Washer	2	M20	SUS304	
	091-000-07	Duck Foot Bend	1	TOS-80BFH	FC	
	144-167-18	Foundation Bolt	4	M16x120	SS	
	142-130-29	Plain Washer	4	M16	SPC	
	141-008-66	Hex.Nut	4	M16	SWRM	
	096-107-18	Guide Connector	2	51mm	SUS	
	140-103-14	Hex.Bolt	2	M12x60	SUS304	
	142-165-10	Spring Washer	2	M12	SUS304	
	094-210-19	Guide Support	1	TOS-100C	SUS304	
	140-099-16	Hex.Bolt	2	M12x40	SUS304	
	141-007-10	Hex.Nut	2	M12	SUS304	
	142-129-12	Plain Washer	2	M12	SUS304	
		<Packing O-Ring Set>				
	000-001-73	Packing O-Ring Set	1Set	(Marked by *)		
24	122-173-19	O-Ring (M.Bracket/M.Frame)	1	V-225(222.5xd6)	NBR	
27	122-245-13	O-Ring (Upp. Bearing)	1	71.4xd3.1	NBR	
38	142-292-17	Seal Washer (Stator Set Bolt)	1	W-8	SPC+NBR	
39	122-173-19	O-Ring (M.Frame/Brq.Housing)	1	V-225(222.5xd6)	NBR	
49	142-297-12	Seal Washer (Leakage Sensor(Float))	1	SM-10	SUS+NBR	
52	121-247-12	Packing (Drain Plug)	1	d12.3xd18x2t	PE	
53	122-156-16	O-Ring (Brq.Housing/Casing Cover)	1	G-250(249.3xd5.7)	NBR	
57	121-247-12	Packing (Drain Plug)	1	d12.3xd18x2t	PE	
60	121-247-12	Packing (Oil Plug)	2	d12.3xd18x2t	PE	
61	122-160-13	O-Ring (Casing Cover/O.Casing)	1	G-290(289.3xd5.7)	NBR	
80	122-270-17	O-Ring (O.Casing/P.Casing)	1	350xd5.7	NBR	
92	121-153-10	Packing (Discharge Bend)	1	160mm2(P.C.165)	NBR	

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ITEM	PART No.	DESCRIPTION	QTY	SIZE	MATERIAL	NOTES
		Lubricant		Turbine Oil VG32 3,300ml		
		<Chain&Shackle>(SS)				
	095-176-28	Chain	1	9mmx5M	SS	
	011-105-13	Shackle	1	16mm	SS	
	095-250-14	Chain	1	11mm(11L)	SS	
	011-105-13	Shackle	2	16mm	SS	

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EXPLODED VIEW

80C215-CR-61

