

PARTS LIST		SEWER & WASTEWATER PUMPS			9/6/2013	
ITEM	PART No.	DESCRIPTION	QTY	SIZE	MATERIAL	NOTES
1	140-018-11	Hex.Bolt	3	M5x15	SUS304	
2	142-422-18	Seal Washer	3	PM-5	SUS+NBR	
3	003-111-20	Gland	1		SUS304	
4	001-005-66	Cabtyre Cable Set (10m)230V-60Hz(USA)	1	2PNCT2Cx1.25mm2	BE/CE	
	001-005-66	Cabtyre Cable Set (10m)460V-60Hz(USA)	1	2PNCT2Cx1.25mm2	BE/CE	
5	009-274-17	Compression type Terminal	2	TMNB-2(Insulated)		
6	140-055-10	Hex.Bolt	4	M8x25	SUS304	
7	142-163-18	Spring Washer	4	M8	SUS304	
8	006-126-14	Stuffing Box	1	No.2	FC	
9	070-107-18	Cable Clamp	1		FC	
10	140-035-14	Hex.Bolt	2	M6x20	SUS304	
11	001-234-11	Cabtyre Cable (Sold per meter)230V-60Hz(USA)	10	2PNCT4Cx14mm2	(V/m)	
	001-234-11	Cabtyre Cable (Sold per meter)460V-60Hz(USA)	10	2PNCT4Cx14mm2	(V/m)	
12	008-140-10	Mould Cover	1	KR2-5	CR	
13	143-013-15	Pan Screw	1	M4x6	SWRM	
14	142-160-31	Spring Washer	1	M4	SWRH	
15	009-139-19	Terminal	1	R-8-4	CU	
16	009-169-18	Terminal	3	B-14	CU	
17	002-115-18	Heat Shrink Tube (Sold per meter)	m	EVA(d16.5x1t)	(V/m)	
18	002-116-19	Heat Shrink Tube (Sold per meter)	m	A4(d20x0.35t)	(V/m)	
19	072-107-14	Eye Bolt	2	M16	SS	
20	140-055-10	Hex.Bolt	4	M8x25	SUS304	
21	142-163-18	Spring Washer	4	M8	SUS304	
22	214-015-10	Stuffing Box Cover	1	BG3,KR2	FC	
23	122-126-17	O-Ring	1	G-75(74.4xd3.1)	NBR	
24	140-098-15	Hex.Bolt	4	M12x35	SUS304	
25	142-165-10	Spring Washer	4	M12	SUS304	
26	050-437-18	Motor Bracket	1		FC	
27	122-173-19	O-Ring	1	V-225(222.5xd6)	NBR	
28	142-198-12	Wave Washer	1	6306	SK5	
29	052-109-14	Bearing	1	6306ZZC3		
30	122-245-13	O-Ring	1	71.4xd3.1	NBR	
31	058-000-09	Lead Wire Protection Plate	1	d86xd224x1.6t	SPHC	
32	055-001-53	Rotor	1Set			
33	147-066-15	Impeller Key	1	10x8x22l	SUS420	
34	053-310-13	Motor Protector	3	9700K-76-215	(H)	
35	056-000-29	Stator 230V-60Hz(USA)	1Set			
	056-000-31	Stator 460V-60Hz(USA)	1Set			
36	140-100-11	Hex.Bolt	4	M12x45	SUS304	
37	142-165-10	Spring Washer	4	M12	SUS304	
38	064-000-12	Motor Frame	1		FC	
39	122-173-19	O-Ring	1	V-225(222.5xd6)	NBR	
40	140-000-06	Hex.Bolt (w/Spring Washer/Plain Washer)	3	M6x12	SWCH	
41	052-140-17	Bearing	1Set	6309ZZD2C3		

PARTS LIST		SEWER & WASTEWATER PUMPS			9/6/2013	
ITEM	PART No.	DESCRIPTION	QTY	SIZE	MATERIAL	NOTES
42	140-100-11	Hex.Bolt	4	M12x45	SUS304	
43	142-165-10	Spring Washer	4	M12	SUS304	
44	060-001-07	Bearing Housing	1		FC	
45	121-247-12	Packing	2	d12.3xd18x2t	PE	
46	035-113-18	Oil Plug	2	M12x14	SUS304	
47	025-195-13	Mechanical Seal	1	H-35	SiC	
48	143-070-23	Pan Screw	2	M5x6	SWRM	
49	030-156-18	Oil Lifter	1	H-35(A)(T)	Resin	
50	143-070-10	Pan Screw	3	M5x6	SWRM	
51	030-150-12	Seal Stopper	1	H-35(A)(T)	SPCC	
52	122-281-11	O-Ring	1	190xd3.1	NBR	
53	046-107-13	Air Release Valve	1	PT-1/2	Nylon	
54	035-112-17	Oil Plug	1	M8x12	SUS304	
55	121-248-13	Packing	1	d8.2xd13.5x2t	PE	
56	020-002-07	Pump Casing	1	80C25.5/2.75/211-CR-51/61	FC	
57	026-114-11	Oil Seal	1	TC-557812	NBR	
58	040-113-14	Impeller Shim		d32.5xd48x0.3t	SUS304	
59	021-007-45	Impeller (60Hz)	1	80C211-CR-61	HiCrFC	
60	142-131-17	Plain Washer	1	M20	SUS304	
61	142-168-13	Spring Washer	1	M20	SUS304	
62	141-009-12	Hex.Nut	1	M20	SUS304	
63	120-121-16	Packing		d204xd264x0.3t	PE	
64	022-001-66	Suction Cover	1	80C211-CR-61	HiCrFC	
65	142-165-10	Spring Washer	3	M12	SUS304	
66	140-097-14	Hex.Bolt	3	M12x30	SUS304	
67	023-288-18	Pump Stand	3	55/110-CE2	FC	
68	142-165-10	Spring Washer	3	M12	SUS304	
69	140-096-13	Hex.Bolt	3	M12x25	SUS304	
70	142-165-10	Spring Washer	3	M12	SUS304	
71	140-099-16	Hex.Bolt	3	M12x40	SUS304	
72	140-130-36	Hex.Bolt	8	M16x70	SWRM	
73	048-000-54	Screwed Flange	1	NPT-3(JIS10K)	FC	
74	121-105-33	Packing	1	JIS10Kx80mm	NR	
75	037-169-15	Discharge Bend	1	80x80mm	FC	
76	142-166-37	Spring Washer	8	M16	SWRH	
77	141-008-11	Hex.Nut	8	M16	SUS304	
78	140-124-11	Hex.Bolt	4	M16x40	SUS304	
79	121-152-19	Packing	1	145mm2(P.C.145)	NBR	
		<Guide rail rail fittings>				
	093-109-11	Guide Hook	1	TOS-80	FCD	
	140-100-11	Hex.Bolt	2	M12x45	SUS304	
	142-165-10	Spring Washer	2	M12	SUS304	
	091-255-17	Duck Foot Bend	1	TOS-80H	FC	
	096-101-12	Guide Connector	2	34mm	SS	

PARTS LIST		SEWER & WASTEWATER PUMPS			9/6/2013	
ITEM	PART No.	DESCRIPTION	QTY	SIZE	MATERIAL	NOTES
	140-101-12	Hex.Bolt	2	M12x50	SUS304	
	142-165-10	Spring Washer	2	M12	SUS304	
	094-209-15	Guide Support	1	TOS-80C	SUS304	
	140-079-78	Hex.Bolt	2	M10x40	SUS304	
	141-006-19	Hex.Nut	2	M10	SUS304	
	142-128-11	Plain Washer	2	M10	SUS304	
	048-000-54	Screwed Flange	1	NPT-3(JIS10K)	FC	
	140-130-36	Hex.Bolt	8	M16x70	SWRM	
	141-008-11	Hex.Nut	8	M16	SUS304	
	142-166-37	Spring Washer	8	M16	SWRH	
	121-105-33	Packing	1	JIS10Kx80mm	NR	
		Foundation Bolt Set				
	144-167-18	Foundation Bolt	4	M16x120	SS	
	141-008-37	Hex.Nut	4	M16	S35C	
	142-130-29	Plain Washer	4	M16	SPC	
		<Packing O-Ring Set>				
	173-002-13	Packing O-Ring Set	1Set	(Marked by *)		
23	122-126-17	O-Ring (S.Box Cover)	1	G-75(74.4xd3.1)	NBR	
27	122-173-19	O-Ring (M.Bracket/M.Frame)	1	V-225(222.5xd6)	NBR	
30	122-245-13	O-Ring (Upp. Bearing)	1	71.4xd3.1	NBR	
40	122-173-19	O-Ring (M.Frame/Brg.Housing)	1	V-225(222.5xd6)	NBR	
46	121-247-12	Packing (Oil Plug)	2	d12.3xd18x2t	PE	
53	122-281-11	O-Ring (Brg.Housing/P.Casing)	1	190xd3.1	NBR	
56	121-248-13	Packing (Oil Plug)	1	d8.2xd13.5x2t	PE	
80	121-152-19	Packing (Discharge Bend)	1	145mm2(P.C.145)	NBR	
		Lubricant		Turbine Oil VG32 2.240ml		
		<Chain&Shackle>(SS)				
	095-249-10	Chain	1	9mm(13L)	SS	
	011-102-10	Shackle	2	9mm	SS	
	095-176-28	Chain	1	9mmx5M	SS	
	011-102-10	Shackle	1	9mm	SS	

PARTS LIST		SEWER & WASTEWATER PUMPS			9/6/2013	
ITEM	PART No.	DESCRIPTION	QTY	SIZE	MATERIAL	NOTES

EXPLODED VIEW

(TOS) 80C211-CR-61

