

PARTS LIST		SEWER & WASTEWATER CUTTER PUMP			12/5/2013	
ITEM	PART No.	DESCRIPTION	QTY	SIZE	MATERIAL	NOTES
1	001-149-21	Cabtyre Cable Set (32') 60Hz (USA)	1	VCT4Cx2mm2	BE/CE	
2	140-021-17	Hex.Bolt	3	M5x20	SUS304	
3	142-422-18	Seal Washer	3	PM-5	SUS+NBR	
4	003-111-20	Gland	1		SUS304	
5	009-105-16	Solderless Terminal	4	2mm2	CU	
6	140-052-17	Hex.Bolt	2	M8x16	SUS304	
7	127-000-16	Protector Fixing Plate	1		SUS304	
8	121-000-23	Packing	1		NBR	*
9	053-000-31	Motor Protector 230V-60Hz(USA)	1	KA313-GDBL110	(T.C)	
	053-000-36	Motor Protector 460V-60Hz(USA)	1	KA313-GBTL102	(T.C)	
10	143-126-38	Pan Screw (w/Spring Washer/Plain Washer)	2	M4x12	SWRM	
11	072-100-20	Eye Bolt	2	M10	SUS304	
12	064-000-20	Motor Frame	1		FC	
13	140-057-12	Hex.Bolt	3	M8x35	SUS304	
14	142-163-18	Spring Washer	3	M8	SUS304	
15	009-212-17	Earth Terminal	1Set	2mm2x130L		
16	143-085-21	Pan Screw (w/Spring Washer)	1	M4x6	SWRM	
17	122-333-19	O-Ring	1	170xd3.1	NBR	*
18	142-196-10	Wave Washer	1	6205/6304	SK5	
19	052-188-17	Bearing (w/O-ring)	1	AC-6304ZZC3		
20	058-000-04	Lead Wire Protection Plate	1	d66xd150x1.5t	Bakelite	
21	055-001-56	Rotor	1Set			
22	147-079-11	Impeller Key	1	7x7x18l	SUS420	
23	056-001-27	Stator 230V-60Hz(USA)	1Set			
	056-001-29	Stator 460V-60Hz(USA)	1Set			
24	140-000-06	Hex.Bolt (w/Spring Washer/Plain Washer)	3	M6x12	SWCH	
25	052-110-18	Bearing	1	6307ZZC3		
26	071-336-11	Collar	1	41L	SECC	
27	060-000-97	Bearing Housing	1		FC	
28	035-113-18	Oil Plug	1	M12x14	SUS304	
29	121-247-12	Packing	1	d12.3xd18x2t	PE	*
30	140-098-15	Hex.Bolt	3	M12x35	SUS304	
31	142-165-10	Spring Washer	3	M12	SUS304	
32	025-194-12	Mechanical Seal	1	H-30	SIC	
33	143-070-23	Pan Screw	2	M5x6	SWRM	
34	030-142-11	Oil Lifter	1	H-30(A)(T)	Resin	
35	143-070-10	Pan Screw	3	M5x6	SWRM	
36	030-151-13	Seal Stopper	1	H-30(A)(T)	SPCC	
37	046-107-13	Air Release Valve	1	PT-1/2	Nylon	
38	122-246-14	O-Ring	1	180xd3.1	NBR	*
39	020-002-06	Pump Casing	1	80C22.2/23.7-CR-51/61	FC	
40	026-155-14	Oil Seal	1	TC-45629	NBR	
41	040-107-28	Impeller Shim		d25.2xd38x0.3t	SUS304	varying quantities may be used to set impeller to suction cover clearance
42	021-007-04	Impeller (60Hz)	1	80C22.2-CR-61	HiCrFC	

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43	142-166-11	Spring Washer	1	M16	SUS304	
44	141-033-15	Hex.Cap Nut	1	M16	SUS304	
45	120-127-12	Packing		d171xd186x0.3t	PE	varying quantities may be used to set impeller to suction cover clearance
46	022-001-44	Suction Cover	1	80C22.2-CR-61	HiCrFC	
47	023-469-15	Pump Stand	3	22/37-BE3	SPHC	
48	142-164-19	Spring Washer	3	M10	SUS304	
49	140-076-17	Hex.Bolt	3	M10x30	SUS304	
50	142-163-18	Spring Washer	3	M8	SUS304	
51	140-054-19	Hex.Bolt	3	M8x20	SUS304	
52	140-130-36	Hex.Bolt	8	M16x70	SWRM	
53	048-000-54	Screwed Flange	1	NPT-3(JIS10K)	FC	
54	121-105-33	Packing	1	JIS10Kx80mm	NR	
55	142-166-37	Spring Washer	8	M16	SWRH	
56	141-008-11	Hex.Nut	8	M16	SUS304	
57	140-124-11	Hex.Bolt	4	M16x40	SUS304	
58	037-169-15	Discharge Bend	1	80x80mm	FC	
59	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	
	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				
	173-000-79	Packing O-Ring Set	1Set	(Marked by *)		
8	121-000-23	Packing (Protector Fixing Plate)	1		NBR	*
17	122-333-19	O-Ring (M.Frame/Brg.Housing)	1	170xd3.1	NBR	*
29	121-247-12	Packing (Oil Plug)	1	d12.3xd18x2t	PE	*
38	122-246-14	O-Ring (Brg.Housing/P.Casing)	1	180xd3.1	NBR	*

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59	121-152-19	Packing (Discharge Bend)	1	145mm2(P.C.145)	NBR	*
		Lubricant		Turbine Oil VG32 1,890ml		
		Chain&Shackle (SS)				
	095-106-14	Chain	1	6mm(4L)	SS	
	011-101-19	Shackle	2	6mm	SS	
	095-147-17	Chain	1	6mmx5M	SS	
	011-102-10	Shackle	1	9mm	SS	

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EXPLODED VIEW

(TOS) 80C22. 2-CR-51/61

(TOS) 80C23. 7-CR-51/61

