

PARTS LIST		HI-PRESSURE HI-VOLUME DEWATERING PUMP			11/26/2013	
ITEM	PART No.	DESCRIPTION	QTY	SIZE	MATERIAL	NOTES
1	011-101-19	Shackle	2	6mm (M8)	SS400	
2	095-100-18	Chain	2	d5(9-Link)	SS400	
3	010-103-21	Cable Clip	4	No.4	SPC	
4	140-074-15	Bolt	6	M10x20	SUS304	
5	141-006-19	Nut	6	M10	SUS304	
6	009-116-10	Terminal (Solderless)	3	R-2-4	CU	
7	009-113-17	Terminal (Solderless)	6	R-38-10	CU	
8	009-168-17	Terminal (Solderless)	1	R-22-S6	CU	
9	010-129-10	Cable Clip Rubber	2	115x100x2t	NBR	Old 010-129-10 (4t) may not be acceptable.
10	140-056-11	Bolt	8	M8x30	SUS304	
11	141-005-47	Nut	8	M8 (S=12)	SUS304	
12	003-106-19	Gland	2	No.5	FC200	
13	004-113-12	Cable Bushing	2	No.12 (d36.5xD58x27L)	SBR	
14	006-103-28	Stuffing Box	2	No.5	FC200	
15	140-076-17	Bolt	8	M10x30	SUS304	
16	142-164-19	Spring Washer	8	M10	SUS304	
17	122-264-18	O-Ring (Stuffing Box)	2	140xd3.5	NBR	*
18	001-130-16 (65')	Power Cable 65'	1	AWG 1/3 x 65'	2PNCT.F	
18	001-006-61 (65')	Power Cable 20m-CE	1	AWG 1/3 x 65', Black w/ No.	2PNCT.F	CE
19	001-140-19 (65')	Power Cable 65'	1	AWG 1/3, 4/1, 14/3 x 65'	2PNCT.F	
19	001-006-62 (65')	Power Cable 20m-CE	1	AWG 1/3, 4/1, 14/3 x 65', G/Y	2PNCT.F	CE, Add Warning Labels.
20	008-105-13	Mould Cover	2	No.3	NBR	
21	003-149-14	Lower Gland	2	No.5	FC200	
22	142-162-17	Spring Washer	8	M6	SUS304	
23	140-033-12	Bolt	8	M6x16	SUS304	
24	141-004-59	Nut	7	M6	SWRM3	see 141-004-17
25	009-108-19	Terminal (Solderless)	6	R-38-6	CU	
26	009-108-19	Terminal (Solderless)	6	R-38-6	CU	
27	140-029-28	Bolt	7	M6x10	SWRM3	see 140-029-15
28	002-115-18	Heat Shrink Tube	1	EVA(d16.5x1t)	\$/3.2ft	
29	002-116-19	Heat Shrink Tube	1	A4(d19x0.35t)	\$/3.2ft	
30	143-000-58	Pan Screw	1	M6x12, w/ S.Washer & Washer	SWRM3	
31-1	009-001-23	Grounding Wire	1 (x400L)	4AWG, G/Y		
31	009-168-17	Terminal (Solderless)	3	R-22-S6	CU	
32	009-114-18	Connector	3	PC-4020M		
33	009-115-19	Connector	3	PC-4020F		
33-1	002-128-14	Heat Shrink Tube	1	EVA(d10x1t)	\$/3.2ft	
33-2	002-164-12	Heat Shrink Tube	1	A4(d13.2x0.3t)	\$/3.2ft	see 002-134-13(OLD)
41	140-099-16	Bolt	10	M12x40	SUS304	
42	142-165-10	Spring Washer	10	M12	SUS304	
43	037-	Discharge Pipe	1	100mm (GH-370L)	FCD500	
43-1	048-273-17	Companion Flange 4" NPT	1	JIS20K x NPT-4"	FC200	USA
43-2	121-579-16	Gasket (Companion Flange)	1	JIS20K x 100mm	NR	USA
43-3	140-155-11	Bolt	8	M20x85	SUS304	USA

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43-4	141-009-12	Nut	8	M20	SUS304	USA
43-5	142-168-13	Spring Washer	8	M20	SUS304	USA
44	121-145-19	Gasket (Discharge Pipe)	1	GH-370	NBR	*
45	140-074-15	Bolt	3	M10x20	SUS304	
46	142-164-19	Spring Washer	3	M10	SUS304	
47	217-000-25	Retainer (Lead Wire Prot. Bush)	1	LH6110-51/61, 6 Cores	SS400	
48	016-000-12	Lead Wire Prot. Bush 400V class	1	LH6110-51/61, 6 Cores for 2AWG	NBR	016-138-10 (for -50/60) is not acceptable.
48	016-000-13	Lead Wire Prot. Bush 500V class	1	LH6110-51/61, 6 Cores for 3AWG	NBR	016-138-10 (for -50/60) is not acceptable.
49	140-032-11	Bolt	1	M6x15	SUS304	
50	214-000-11	Blank Cover (for Grease Nipple)	1	40x40x4.5T, P.C.40	SS400	214-010-15 (for LH6110-50/60) is acceptable.
51	121-001-57	Gasket (Blank Cover)	1	40x40x2T, P.C.40 (for LH6110-51/61)	NBR	* 121-517-16 (for -50/60, 38x38) is acceptable.
52	148-000-01	Grease Nipple	1	A-PT 1/4"	SUS304	148-003-17 (BSBM) is acceptable.
53	016-000-14	Lead Wire Prot. Bush	1	LH6110-51/61, 3 Cores	NBR	016-137-19 (for -50/60) is acceptable.
54	072-129-12	Lifting Eye Bolt	2	M42	SF	
54-1	142-000-92	Washer		d45xD85x0.5t (for M42 Eye Bolt)	SS400	
55	035-102-30	Vacuum Test Plug (Oil Plug)	1	M12x16 (Bolt, S=21)	SUS304	see 035-102-14(SUS316)
56	122-259-10	O-Ring (Vacuum Test Plug)	1	12xd3	NBR	*
57	140-136-16	Bolt	8	M16x110	SUS304	140-135-15 (100L) is not acceptable.
58	142-166-11	Spring Washer	8	M16	SUS304	
59	142-000-93	Washer	8	M16 (d17xD33.5x5t)	SUS304	142-130-16 (d17xD30x3t) is not acceptable.
60	121-001-56	Gasket (M.Bracket Bolt)	8	d15.3xD26x4t	NBR	* 121-457-17 (d16xD27) is not acceptable.
61	050-001-14	Motor Bracket	1	LH6110-51/61 (H=300)	FC200	050-429-17 (for -50/60, H=200) is not acceptable.
62	146-034-11	Retaining Ring	1	C60	SK-5	
63	052-000-71	Roller Bearing (Upper)	1	NU312ECM		see 052-148-15 (NU312A)
64	026-273-19	Oil Seal	1	SC-8010513	NBR	
65	113-000-11	Bearing Grease Cup	1	LH6110-51/61 (H=80), U.Bearing	FC200	113-103-10 (for -50/60, H=90) is not acceptable.
66	142-163-18	Spring Washer	4	M8	SUS304	142-163-34 (SWRH) is acceptable.
67	140-055-10	Bolt	4	M8x25	SUS304	140-055-49 (SWRM3) is acceptable.
68	122-000-22	O-Ring (M.Bracket/Out.Cover)	1	V-530	NBR	* =121-521-13
69	065-000-64	Outer Cover	1	LH6110-51/61	SS400	065-360-15 (for -50/60) is acceptable.
70	122-000-22	O-Ring (Out.Cover/B.Housing)	1	V-530	NBR	* =121-521-13
71	055-	Rotor and Shaft	1	LH4110W-51/61		
72	147-	Key	2	12x8x36L	SUS420J2	
73	053-310-13	Motor Protector	3	9700K-76-215		c/w Stator
74	056-008-21	Stator 380-460V 50/60HZ	1	LH6110-51/61 (380/420-50, 380/460-60)		
74	056-008-22	Stator 500-575V 50/60HZ	1	LH6110-51/61 (500/550-50, 575-60)		
75	122-000-46	O-Ring (M.Bracket/M.Frame)	1	AN384 (=ANSI AS568-384, 380.37xd5.33)	NBR	*
76	064-001-33	Motor Frame	1	LH6110-51/61	FC200	064-499-11 (for -50/60) is not acceptable.
77	140-132-12	Bolt	8	M16x80	SUS304	
78	142-166-11	Spring Washer	8	M16	SUS304	
79	122-000-46	O-Ring (M.Frame/B.Housing)	1	AN384 (=ANSI AS568-384, 380.37xd5.33)	NBR	*
80	121-001-58	Gasket (L.Bearing, Felt)	1	5x6x250L	Felt	* 121-520-12 (for -50/60, 10x6.4x270L) is not acceptable.
81	062-000-24	Bearing Cover	1	LH6110-51/61 (ID.77), L.Bearing	FC200	062-222-15 (for -50/60) is not acceptable.
82	140-076-17	Bolt	4	M10x30	SUS304	140-076-33 (SWRM3) is acceptable.

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83	142-164-19	Spring Washer	4	M10	SUS304	142-164-35 (SWRH) is acceptable.
84	061-000-18	Bearing Collar	1	d95xD139x3.2t	SS400	061-177-11 (for -50/60) is acceptable.
85	052-000-72	Ball Bearing (Lower)	1set	7313BECBMDDB (w/ Spacer for LH6/8110-51/61)		see 052-185-14 (7313ADB set for -50/60)
86	141-078-12	Bearing Nut	1	AN13	SS400	see 140-078-25
87	142-246-16	Bearing Washer	1	AW13	SPCC	see 142-246-29
88	060-001-77	Bearing Housing	1	LH6110-51/61	FC200	060-421-10 (for -50/60) is not acceptable.
88-1	148-000-01	Grease Nipple	1	A-PT 1/4"	SUS304	148-003-17 (BSBM) is acceptable.
89	122-024-14	O-Ring (Grease Plug)	1	P-25	NBR	*
90	144-000-47	Grease Plug	1	M25x20 (Special)	SUS304	
91	122-259-10	O-Ring (Oil Plug)	2	12xd3	NBR	*
92	035-102-30	Oil Plug	2	M12x16 (Bolt, S=21)	SUS304	see 035-102-14(SUS316)
93	121-	Gasket (Bolt-B.Housing/U.P.Casing)	8	d15.8xD22x2.5t	NBR	*
94	144-442-10	Stud Bolt	8	M16x80 (28/20)	SUS304	
95	090-122-11	Leak Sensor	1set	D9x43L	SUS420J2	see 090-106-19(OLD)
95-1	009-	Lead Wire (L.Sensor/Power Cable)	1	AWG14	UL3340	
95-2	009-274-17	Terminal (Insulated Butt Connector)	2	TMNB-2	CU	
96	142-161-32	Spring Washer	2	M5	SWRH	see 142-161-16
97	140-021-33	Bolt	2	M5x20	SWRM3	see 140-021-17
98	026-274-10	Oil Seal	1	SC-507212	NBR	
99	071-000-43	Spacer	3	53x72x3.2t	SS400	071-322-14 (55x71x3.2t) is acceptable.
100	122-153-13	O-Ring (L.Bearing Grease Cup)	1	G-220	NBR	*
101	113-000-12	Bearing Grease Cup	1	LH6110-51/61, L.Bearing	FC200	113-104-11 (for -50/60) is acceptable.
102	142-164-19	Spring Washer	4	M10	SUS304	142-164-35 (SWRH) is acceptable.
103	140-076-17	Bolt	4	M10x30	SUS304	140-076-33 (SWRM3) is acceptable.
104	025-268-18	Mechanical Seal	1	H-50T	SiC	
105	143-028-13	Pan Screw	3	M5x10	SWRM3	
106	030-133-19	Oil Lifter	1	H-50(T)	SPCC	
107	122-270-17	O-Ring (B.Housing/O.Casing)	1	350xd5.7	NBR	*
108	029-174-21	Oil Casing	1	LH690/8110	FC200	see 029-174-18 + 026-114-11
109	122-270-17	O-Ring (O.Casing/U.P.Casing)	1	350xd5.7	NBR	*
110	142-165-10	Spring Washer	8	M12	SUS304	
111	140-097-14	Bolt	8	M12x30	SUS304	
112	071-	Shaft Sleeve (Upper)	1	d45xD70x8t	SUS403	
113	071-	Shaft Sleeve (Middle)	1	d45xD55x85L	SUS403	
114	122-271-18	O-Ring (B.Housing/U.P.Casing)	1	540xd5.7	NBR	*
115	020-	Upper Pump Casing	1	LH4110W-51/61, Upp.	FC200	
115-1	034-	Mouth Ring (Upper)	1	LH4110W-51/61, d170xD220x10T	HiCrFC	
116	140-126-13	Bolt	8	M16x50	SUS304	
116-1	142-166-11	Spring Washer	8	M16	SUS304	
117	142-166-11	Spring Washer	8	M16	SUS304	
118	141-008-11	Nut	8	M16	SUS304	
119	122-226-18	O-Ring (U.Labyrinth Ring)	2	S-75	NBR	*
120	026-211-19	Labyrinth Ring (Upper)	1	d56.3xD78x47L	SUS403	
121	040-127-11	Impeller Shim		d45.2xD68x0.3t (Type B)	SUS304	

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122	021-	Impeller (Upper)	1	LH4110W-60Hz, Upp.	HiCrFC	60Hz
122	021-	Impeller (Upper)	1	LH4110W-50Hz, Upp.	HiCrFC	50Hz
123	071-	Shaft Sleeve (Lower)	1	d45xD55x25.5L	SUS403	
124	122-271-18	O-Ring (U.P.Casing/M.P.Casing)	1	540xd5.7	NBR	*
125	026-	Labyrinth Ring (Lower)	1	d57xD78x21L	SUS403	
126	020-	Middle Pump Casing	1	LH4110W-51/61, Mid.	FC200	
127	140-299-18	Socket Bolt	4	M12x20	SUS304	for Jack-off Thread
128	122-271-18	O-Ring (M.P.Casing/L.P.Casing)	1	540xd5.7	NBR	*
129	040-127-11	Impeller Shim		d45.2xD68x0.3t (Type B)	SUS304	
130	021-	Impeller (Lower)	1	LH4110W-60Hz, Low.	HiCrFC	60Hz
130	021-	Impeller (Lower)	1	LH4110W-50Hz, Low.	HiCrFC	50Hz
131	142-	Impeller Washer	1	d33xD75x10t	SUS304	142-274-13 (6t) is not acceptable.
132	141-012-50	Nut	1	M30 (M=18)	SUS304	
133	141-036-18	Acorn Nut	1	M30	SUS304	
134	034-	Mouth Ring (Lower)	1	LH4110W-51/61, d170xD220x10T	HiCrFC	
135	020-	Lower Pump Casing	1	LH4110W-51/61, Low.	FC200	
136	142-166-11	Spring Washer	8	M16	SUS304	
137	140-126-13	Bolt	8	M16x50	SUS304	
138	140-099-32	Bolt	4	M12x40 (All Thread)	SUS304	for Jack-off
139	144-	Stud Bolt	4	M16x188 (24/24)	SUS304	
140	141-007-10	Nut	3	M12	SUS304	
141	142-165-10	Spring Washer	3	M12	SUS304	
142	142-129-12	Washer	3	M12	SUS304	
143	043-102-19	Cathodic Prot. Plate	3	AB-1HS	AL	
144	023-	Suction Strainer	1	LH4110W-51/61	SPC	
145	140-097-14	Bolt	3	M12x30	SUS304	
146	141-008-11	Nut	4	M16	SUS304	
		Gasket O-Ring Set				
	173-	Gasket O-Ring Set	1set	(*)		
17	122-264-18	O-Ring (Stuffing Box)	2	140xd3.5	NBR	*
44	121-145-19	Gasket (Discharge Pipe)	1	GH-370	NBR	*
51	121-001-57	Gasket (Blank Cover)	1	40x40x2T, P.C.40 (for LH6110-51/61)	NBR	* 121-517-16 (for -50/60, 38x38) is acceptable.
56	122-259-10	O-Ring (Vacuum Test Plug)	1	12xd3	NBR	*
60	121-001-56	Gasket (M.Bracket Bolt)	8	d15.3xD26x4t	NBR	* 121-457-17 (d16xD27) is not acceptable.
68	122-000-22	O-Ring (M.Bracket/Out.Cover)	1	V-530	NBR	* =121-521-13
70	122-000-22	O-Ring (Out.Cover/B.Housing)	1	V-530	NBR	* =121-521-13
75	122-000-46	O-Ring (M.Bracket/M.Frame)	1	AN384 (=ANSI AS568-384, 380.37xd5.33)	NBR	*
79	122-000-46	O-Ring (M.Frame/B.Housing)	1	AN384 (=ANSI AS568-384, 380.37xd5.33)	NBR	*
80	121-001-58	Gasket (L.Bearing, Felt)	1	5x6x250L	Felt	* 121-520-12 (for -50/60, 10x6.4x270L) is not acceptable.
89	122-024-14	O-Ring (Grease Plug)	1	P-25	NBR	*
91	122-259-10	O-Ring (Oil Plug)	2	12xd3	NBR	*
93	121-	Gasket (Bolt-B.Housing/U.P.Casing)	8	d15.8xD22x2.5t	NBR	*
100	122-153-13	O-Ring (L.Bearing Grease Cup)	1	G-220	NBR	*
107	122-270-17	O-Ring (B.Housing/O.Casing)	1	350xd5.7	NBR	*

* Indicates items included in set



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109	122-270-17	O-Ring (O.Casing/U.P.Casing)	1	350xd5.7	NBR	*
114	122-271-18	O-Ring (B.Housing/U.P.Casing)	1	540xd5.7	NBR	*
119	122-226-18	O-Ring (U.Labyrinth Ring)	2	S-75	NBR	*
124	122-271-18	O-Ring (U.P.Casing/M.P.Casing)	1	540xd5.7	NBR	*
128	122-271-18	O-Ring (M.P.Casing/L.P.Casing)	1	540xd5.7	NBR	*
		Lubricant		Turbine Oil#32 7,800 mL (264 floz)	(SAE 10W-20)	



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