

Parts List

Dewatering Pumps

Control No: LH-3-3-1 &amp; LH-4-3-1

Date 11/2009

ITEM	PARTS No.	DESCRIPTION	Q'TY	SIZE	MATERIAL		NOTES
1	010-143-10	Cable Clip	2	No.5	SPC		
2	141-005-18	Hex Nut	3	M8	SUS304		
3	140-054-19	Hex Bolt	3	M8x20	SUS304		
4	001-302-11	Power Cable 50'	1	AWG4/4 x 50'	2PNCT.F		
5	011-110-11	Shackle	1	6mm	SS		
6	095-132-19	Chain	1	d4(6-Link)	SS		
7	072-103-23	Lifting Eye Hex Bolt	2	M24	SUS304		
8	140-056-11	Hex Bolt	4	M8x30 (All Thread)	SUS304		Old #140-056-53
9	141-005-18	Hex Nut	4	M8	SUS304		
10	003-000-15	Gland (Upper)	1	KRS-819/822	FC		Old #003-164-15
11	004-134-19	Cable Bushing	1	d33xD58.5x24L	NBR		
12	005-123-18	Bushing Washer	1	d35xD57x3.2t	SPC		
13	006-119-27	Stuffing Box	1	KRS-8L	FC		
14	140-076-17	Hex Bolt	4	M10x30	SUS304		
15	142-164-19	Spring Washer	4	M10	SUS304		
16	122-135-19	O-Ring (Stuffing Box)	1	G-120	NBR	*	
16-A	008-132-19	Rubber Boot	1	KRS-819/822(L)	NBR		
17	003-149-14	Lower Gland	1	No.5	FC		
18	140-033-12	Hex Bolt	4	M6x16	SUS304		
19	141-004-33	Hex Nut	3	M6	BSBM		Old #141-004-46
20	140-029-15	Hex Bolt	3	M6x10	BSBM		Old #140-029-31
21	009-168-17	Solderless Terminal	3	R-22-S6	CU		
22	009-107-18	Solderless Terminal	3	R-14-6	CU		
23	143-042-13	Cross Head Screw	1	M6x10	SWRM		Old #143-041-12
24	009-168-17	Solderless Terminal	1	R-22-S6	CU		
25	002-115-18	Heat Shrink Tube (40")	1	EVA(d16.5x1t)			
26	002-116-19	Heat Shrink Tube (40")	1	A4(d19x0.35t)			
<b>&gt;&gt;&gt; LH422-60 ONLY</b>							
27	037-358-26	Discharge Pipe (LH422-60 Only)	1	LH422/430	SGP+SS		Old #037-358-13
EE	127-257-13	Bend Stay (LH422-60 Only)	1	LH422/430 (Right)	SS		
EE	127-258-14	Bend Stay (LH422-60 Only)	1	LH422/430 (Left)	SS		
FF	140-098-15	Hex Bolt (LH422-60 Only)	2	M12x35	SUS304		
GG	142-165-10	Spring Washer (LH422-60 Only)	2	M12	SUS304		
HH	141-007-10	Hex Nut (LH422-60 Only)	2	M12	SUS304		
27-1	140-130-10	Hex Bolt (LH422-60 Only)	8	M16x70	SUS304		
27-2	048-139-10	Screwed Flange 4" (LH422-60 Only)	1	JIS10K x NPT-4"	FC		
27-3	121-106-34	Packing 4" (LH422-60 Only)	1	JIS10K x 100mm	NBR		Old #121-106-18
27-4	142-166-11	Spring Washer (LH422-60 Only)	8	M16	SUS304		
27-5	141-008-11	Hex Nut (LH422-60 Only)	8	M16	SUS304		

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<b>&gt;&gt;&gt; LH622-60 ONLY</b>						
27	037-364-25	Discharge Pipe (LH622-60 Only)	1	LH619/622 (New)	SGP+SS	Old #037-364-12
EE	127-255-11	Bend Stay (LH622-60 Only)	1	LH619/422 (Right)	SS	
EE	127-256-12	Bend Stay (LH622-60 Only)	1	LH619/422 (Left)	SS	
FF	140-098-15	Hex Bolt (LH622-60 Only)	2	M12x35	SUS304	
GG	142-165-10	Spring Washer (LH622-60 Only)	2	M12	SUS304	
HH	141-007-10	Hex Nut (LH622-60 Only)	2	M12	SUS304	
27-1	140-153-19	Hex Bolt (LH622-60 Only)	8	M20x75	SUS304	
27-2	048-000-51	Flange 6" (LH622-60 Only)	1	JIS10K x NPT-6"	FC	Old #048-140-14
27-3	121-108-10	Packing for 6" Flange (LH622-60 Only)	1	NPT 6" * Bolt Pattern	NBR	
27-4	142-168-13	Spring Washer (LH622-60 Only)	8	M20	SUS304	
27-5	141-009-12	Hex Nut (LH622-60 Only)	8	M20	SUS304	

28	141-007-10	Hex Nut	5	M12	SUS304	
29	142-165-10	Spring Washer	5	M12	SUS304	
30	144-420-38	Stud Hex Bolt	5	M12x59 (22/24)	SUS304	
31	121-374-19	Packing (Discharge Pipe)	1	d140xD172x1t (5Holes)	T-sheet	*
32	140-098-15	Hex Bolt	2	M12x35	SUS304	
33	142-165-10	Spring Washer	2	M12	SUS304	
34	035-113-18	Oil Plug	1	M12x14 (Socket Hex Bolt, J=10)	SUS304	
35	121-247-12	Packing	1	d11.8xD18x2t	PE-sheet	*
36	140-087-11	Hex Bolt	2	M10x80	SUS304	
37	142-164-19	Spring Washer	2	M10	SUS304	
38	142-297-12	Seal Washer (M.Head Cover Hex Bolt)	2	SM-10	SUS+NBR	*
39	140-076-17	Hex Bolt	1	M10x30	SUS304	
40	142-164-19	Spring Washer	1	M10	SUS304	
41	140-100-11	Hex Bolt	6	M12x45	SUS304	
42	142-165-10	Spring Washer	6	M12	SUS304	
43	051-230-12	Motor Head Cover	1	LH619/422/430-50/60	FC	
44	122-303-10	O-Ring (H.Cover/M.Bracket)	1	345xd5	NBR	*
45	209-029-11	Protector Cover	1		FC	
46	143-030-18	Cross Pan Screw	2	M5x14	SWRM	
47	143-032-10	Cross Pan Screw	2	M5x16	SWRM	
48	053-330-19	Motor Protector 200/220V-60HZ	1	KA316-NCBL00-F (B.C)		
48	053-388-12	Motor Protector 380V-50HZ	1	KA316-NSVL00 (B.C)		
48	053-424-11	Motor Protector 400/440/460V-60HZ	1	KA316-NSTL00 (B.C)		
48	053-366-14	Motor Protector 575V-60HZ	1	KA316-NEZL00 (H.C)		
49	058-168-19	L.Wire Prot Plate	1	d62xD100x0.8t	SPC	
50	122-147-14	O-Ring (H.Cover/M.Bracket)	1	G-180	NBR	*
51	140-099-16	Hex Bolt	6	M12x40	SUS304	
52	142-165-10	Spring Washer	6	M12	SUS304	
53	016-113-19	Lead Wire Prot. Bush	2	GH-422/430 (for 3 cores)	SBR	

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54	050-324-11	Motor Bracket	1	GH-619/422/430	FC	
55	122-303-10	O-Ring (M.Bracket/Out.Cover)	1	345xd5	NBR	*
56	142-199-13	Wave Washer	1	#6208/6307	SK-5	
57	052-110-18	Ball Bearing (Upper)	1	6307ZZC3		
58	122-127-18	O-Ring (U.Bearing)	1	G-80	NBR	*
59	065-189-18	Outer Cover	1	GH-422	SS	
60	055-718-11	Rotor and Shaft	1	LH422-50/60		
61	147-064-13	Impeller Key	1	7x7x37.5L (R/C)	SUS	
62	056-422-18	Stator 200/220V-60HZ	1	GH-422 (200-50, 200/220-60)		Consult Factory
62	056-A59-10	Stator 380V-50HZ	1	GH-422 (380-50/60)		Consult Factory
62	056-A60-14	Stator 400/440/460V-60HZ	1	GH-422 (400/415-50, 400/440/460-60)		Consult Factory
62	056-A61-15	Stator 575V-60HZ	1	GH-422 (525-50, 575-60)		Consult Factory
63	122-153-13	O-Ring (M.Bracket/M.Frame)	1	G-220	NBR	*
64	064-389-17	Motor Frame	1	GH-422	FC	064-389-20 not interchangeable.
65	122-259-10	O-Ring (Stator Set Hex Bolt)	1	12xd3	NBR	*
66	144-490-13	Stator Set Hex Bolt	1	M12 (S=21)	SUS403	
67	122-171-17	O-Ring (M.Frame/B.Housing)	1	V-150	NBR	*
68	122-150-10	O-Ring (M.Frame/B.Housing)	1	G-195	NBR	*
69	061-163-14	Bearing Collar	1	d55xD65x10t	S35C	
70	140-033-12	Hex Bolt	3	M6x16	SWRM	Old #140-033-25
71	062-177-14	Bearing Cover	1	GH-422/430	SS	
72	052-142-19	Ball Bearing (Lower)	1set	6311ZZD2C3		
73	142-244-14	Bearing Washer	1	AW11	SPCC	
74	141-076-10	Bearing Hex Nut	1	AN11	SS	
75	026-271-17	Oil Seal	1	SC-40588	NBR	
76	122-303-10	O-Ring (Out.Cover/B.Housing)	1	345xd5	NBR	*
77	140-103-14	Hex Bolt	6	M12x60	SUS304	
78	142-165-10	Spring Washer	6	M12	SUS304	
79	060-416-12	Bearing Housing	1	LH619/422/430-50/60	FC	
80	035-113-18	Oil Plug	2	M12x14 (Socket Hex Bolt, J=10)	SUS304	
81	121-247-12	Packing (Oil Plug)	2	d11.8xD18x2t	PE-sheet	*
82	122-303-10	O-Ring (B.Housing/P.Casing)	1	345xd5	NBR	*
83	142-165-10	Spring Washer	6	M12	SUS304	
84	140-100-11	Hex Bolt	6	M12x45	SUS304	
85	025-000-03	Mechanical Seal	1	HT-3540N	SiC+SiC/CBN	Old #025-304-17 & 025-286-12
86	030-129-12	Oil Ring	1	HT-3540	SPCC	
87	143-027-12	Cross Pan Screw	6	M5x8	SWRM	
88	122-251-12	O-Ring (B.Housing/O.Casing)	1	205xd3.8	NBR	*
89	029-342-19	Oil Casing	1	LH-19/22/30KW	FC	Oil Seal (026-110-17) not necessary.
90	142-165-10	Spring Washer	6	M12	SUS304	
91	140-097-14	Hex Bolt	6	M12x30	SUS304	
92	122-251-12	O-Ring (O.Casing/P.Casing)	1	205xd3.8	NBR	*
93	071-107-11	Shaft Sleeve (Upper)	1	GH-220 (Flange)	SUS403	

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ITEM	PARTS No.	DESCRIPTION	Q'TY	SIZE	MATERIAL		NOTES
94	020-A81-10	Pump Casing	1	LH422/430	FC		Old #020-557-12
94	020-A80-19	Pump Casing	1	LH619/622	FC		Old #020-558-13
94-1	026-147-26	Labyrinth Ring	1	LH422/622 (New)	SUS304		Old #026-147-13
95	026-126-16	Oil Seal	1	TCN-385811	NBR		
96	071-122-12	Shaft Sleeve (Lower)	1	GH-220	SUS403		
97	040-125-19	Impeller Shim		d31xD45.2x0.5t	SUS304		
98	021-962-17	Impeller LH422-60Hz	1	GH-422-60Hz	HiCrFC		
98	021-G41-17	Impeller LH622-60Hz	1	LH622-60Hz	HiCrFC		
99	047-106-28	Impeller Thread Cover	1	No.5 (26)	SUS304		Old #047-106-15
100	142-170-18	Spring Washer	1	M24	SUS304		
101	141-035-17	Acorn Hex Nut	1	M24	SUS304		
102	033-122-14	Mouth Ring LH422/430/615	1set	LH422	HiCrFC+FC		
102	033-123-15	Mouth Ring LH622/GH619	1set	LH622	HiCrFC+FC		
103	122-283-13	O-Ring (S.Mouth Ring/S.Cover)	1	165xd3.1	NBR	*	

104	122-252-13	O-Ring (P.Casing/S.Cover)	1	270xd3.8	NBR	*	* LH422
105	022-556-17	Suction Cover	1	GH-422	FC		LH422

104	122-253-14	O-Ring (P.Casing/S.Cover)	1	245xd3.8	NBR	*	* LH622
105	022-554-15	Suction Cover	1	GH-619	FC		LH622

106	142-165-10	Spring Washer	6	M12	SUS304		
107	140-097-14	Hex Bolt	6	M12x30	SUS304		
108	141-005-18	Hex Nut	3	M8	SUS304		
109	140-055-10	Hex Bolt	3	M8x25	SUS304		
110	142-163-18	Spring Washer	3	M8	SUS304		
111	141-005-18	Hex Nut	3	M8	SUS304		
112	140-058-42	Hex Bolt	3	M8x40 (All Thread)	SUS304		
113	144-123-12	Stud Hex Bolt	3	M12x120 (20/20)	SWRM		
114	023-310-10	Suction Strainer	1	GH-430	SS		LH422
114	023-309-16	Suction Strainer	1	GH-619	SS		LH622
115	142-165-10	Spring Washer	3	M12	SUS304		
116	141-007-10	Hex Nut	3	M12	SUS304		
117	141-007-10	Hex Nut	3	M12	SUS304		
118	142-129-25	Plain Washer	3	M12	SUS304		Old #142-129-12
119	142-165-10	Spring Washer	3	M12	SUS304		
120	043-102-19	Cathodic Prot. Plate	3	AB-1HS	AL		
121	140-096-13	Hex Bolt	3	M12x25	SUS304		

**<Oil Lifter Version>**

AA	143-070-23	Cross Pan Screw (Scotch)	2	M5x6, w/ Scotch Grip	SWRM		
BB	030-137-13	Oil Lifter	1	HT-3540	Resin		
CC	143-070-10	Cross Pan Screw	6	M5x6	SWRM		
DD	030-146-15	Retainer	1	HT-3540	SPCC		

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ITEM	PARTS No.	DESCRIPTION	QTY	SIZE	MATERIAL		NOTES
<b>&lt;Packing O-Ring Set&gt;</b>							
	173-510-10	Packing O-Ring Set	1set	(*)			LH422
	173-509-16	Packing O-Ring Set	1set	(*)			LH622
16	122-135-19	O-Ring (Stuffing Box)	1	G-120	NBR	*	
31	121-374-19	Packing (Discharge Pipe)	1	d140xD172x1t (5Holes)	T-sheet	*	
35	121-247-12	Packing	1	d11.8xD18x2t	PE-sheet	*	
38	142-297-12	Seal Washer (M.Head Cover Hex Bolt)	2	SM-10	SUS+NBR	*	
44	122-303-10	O-Ring (H.Cover/M.Bracket)	1	345xd5	NBR	*	
50	122-147-14	O-Ring (H.Cover/M.Bracket)	1	G-180	NBR	*	
55	122-303-10	O-Ring (M.Bracket/Out.Cover)	1	345xd5	NBR	*	
58	122-127-18	O-Ring (U.Bearing)	1	G-80	NBR	*	
63	122-153-13	O-Ring (M.Bracket/M.Frame)	1	G-220	NBR	*	
65	122-259-10	O-Ring (Stator Set Hex Bolt)	1	12xd3	NBR	*	
67	122-171-17	O-Ring (M.Frame/B.Housing)	1	V-150	NBR	*	
68	122-150-10	O-Ring (M.Frame/B.Housing)	1	G-195	NBR	*	
76	122-303-10	O-Ring (Out.Cover/B.Housing)	1	345xd5	NBR	*	
81	121-247-12	Packing (Oil Plug)	2	d11.8xD18x2t	PE-sheet	*	
82	122-303-10	O-Ring (B.Housing/P.Casing)	1	345xd5	NBR	*	
88	122-251-12	O-Ring (B.Housing/O.Casing)	1	205xd3.8	NBR	*	
92	122-251-12	O-Ring (O.Casing/P.Casing)	1	205xd3.8	NBR	*	
103	122-283-13	O-Ring (S.Mouth Ring/S.Cover)	1	165xd3.1	NBR	*	
104	122-252-13	O-Ring (P.Casing/S.Cover)	1	270xd3.8	NBR	*	* LH422 (Only in 173-510-10)
104	122-253-14	O-Ring (P.Casing/S.Cover)	1	245xd3.8	NBR	*	* LH622(Only in 173-509-16)
		Lubricant		Turbine Oil#32 2,300 mL (77.8 floz)	(SAE 10W-20)		
<b>&gt;&gt;&gt;&gt;&gt; OPTIONAL</b>							
98	021-961-16	Impeller LH422-50Hz	1	GH-422-50Hz	HiCrFC		
98	021-G40-16	Impeller LH622-50Hz	1	LH622-50Hz	HiCrFC		
	183-010-16	Impeller Puller		A Type No.5 (1.5")			Call Factory

**NOTE:**

Pricing in U.S. currency and subject to change without notice.

Items with (\*) indicate items are included in the set

New Pricing Updates:

Parts List

Dewatering Pumps

DATE: DEC 2009

