

| PARTS LIST | | HI PRESSURE DEWATERING PUMP | | | 1/23/2014 | |
|------------|------------|---|-----|-----------------------------------|-------------|------------------------------------|
| ITEM | PART No. | DESCRIPTION | QTY | SIZE | MATERIAL | NOTES |
| 1 | 010-103-21 | Cable Clip | 2 | No.4 | SPC | |
| 2 | 141-006-19 | Hex.Nut | 3 | M10 | SUS304 | |
| 3 | 140-074-15 | Hex.Bolt | 3 | M10x20 | SUS304 | |
| 4 | 009-117-11 | Terminal | 6 | R-22-6 | CU | included in ITEM #7 Cable Assembly |
| 5 | 009-107-18 | Terminal | 1 | R-14-6 | CU | included in ITEM #7 Cable Assembly |
| 6 | 009-116-10 | Terminal | 2 | R-2-4 | CU | included in ITEM #7 Cable Assembly |
| 7 | 001-007-68 | Cabtyre Cable Set (15m)460-575V-60Hz(USA) | 1 | 2PNCTFMulti-core9Cx22mm2 | No.5 | |
| | *** | The above cable assembly includes: | | No.4,5,6,11-16,20,21,25,28 and 30 | | |
| 8 | 011-101-19 | Shackle | 1 | 6mm | SS | |
| 9 | 095-100-18 | Chain | 1 | d5(9-Link) | SS | |
| 10 | 072-108-44 | Eye Bolt | 2 | M30 | SS | |
| 11 | 140-056-53 | Hex.Bolt | 4 | M8x30 | SUS304 | included in ITEM #7 Cable Assembly |
| 12 | 141-005-18 | Hex.Nut | 4 | M8 | SUS304 | included in ITEM #7 Cable Assembly |
| 13 | 003-106-19 | Gland | 1 | No.5 | FC | included in ITEM #7 Cable Assembly |
| 14 | 004-170-17 | Cable Bush | 1 | d39.5xd58.5x22l | CR | included in ITEM #7 Cable Assembly |
| 15 | 005-106-28 | Bush Washer | 1 | d42xd57x3.2t | SPC | included in ITEM #7 Cable Assembly |
| 16 | 006-103-28 | Stuffing Box | 1 | No.5 | FC | included in ITEM #7 Cable Assembly |
| 17 | 140-076-17 | Hex.Bolt | 4 | M10x30 | SUS304 | |
| 18 | 142-164-19 | Spring Washer | 4 | M10 | SUS304 | |
| 19 | 122-264-18 | O-Ring | 1 | 140xd3.5 | NBR | * |
| 20 | 008-105-13 | Mould Cover | 1 | No.3 | NBR | included in ITEM #7 Cable Assembly |
| 21 | 003-149-14 | Gland (Lower) | 1 | No.5 | FC | included in ITEM #7 Cable Assembly |
| 22 | 140-033-12 | Hex.Bolt | 4 | M6x16 | SUS304 | |
| 23 | 141-004-59 | Hex.Nut | 6 | M6 | SWRM | |
| 24 | 140-029-28 | Hex.Bolt | 6 | M6x10 | SWRM | |
| 25 | 009-168-17 | Terminal | 6 | R-22-S6 | CU | included in ITEM #7 Cable Assembly |
| 26 | 009-106-17 | Terminal | 6 | R-8-6 | CU | |
| 27 | 143-041-12 | Pan Screw | 1 | M6x8 | SWRM | |
| 28 | 009-107-18 | Terminal | 1 | R-14-6 | CU | included in ITEM #7 Cable Assembly |
| 29 | 009-115-19 | Connector | 2 | PC-4020F | | |
| 30 | 009-114-18 | Connector | 2 | PC-4020M | | included in ITEM #7 Cable Assembly |
| 31 | 002-115-18 | Heat Shrink Tube (Sold per meter) | m | EVA(d16.5x1t) | (Vm) | |
| 32 | 002-116-19 | Heat Shrink Tube (Sold per meter) | m | A4(d20x0.35t) | (Vm) | |
| 33 | 141-008-11 | Hex.Nut | 6 | M16 | SUS304 | |
| 34 | 142-166-11 | Spring Washer | 6 | M16 | SUS304 | |
| 35 | 144-436-24 | Stud Bolt | 6 | M16x45(28/24)(JIS) | SUS304 | |
| 36 | 037-361-22 | Center-Flange Discharge Pipe | 1 | LH637/645 | SGP+SS | |
| 37 | 121-500-16 | Packing | 1 | LH637/875 | THREE SHEET | * |
| 38 | 127-261-10 | Stay (Right) | 1 | LH637/645 (Right) | SS | |
| 39 | 140-126-13 | Hex.Bolt | 2 | M16x50 | SUS304 | |
| 40 | 140-124-11 | Hex.Bolt | 2 | M16x40 | SUS304 | |
| 41 | 142-166-11 | Spring Washer | 2 | M16 | SUS304 | |
| 42 | 142-166-11 | Spring Washer | 2 | M16 | SUS304 | |
| 43 | 141-008-11 | Hex.Nut | 2 | M16 | SUS304 | |

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| 44 | 127-262-11 | Stay (Left) | 1 | LH637/645 (Left) | SS | |
| 45 | 035-113-18 | Oil Plug | 1 | M12x14 | SUS304 | |
| 46 | 121-247-12 | Packing | 1 | d12.3xd18x2t | PE | * |
| 47 | 140-093-10 | Hex.Bolt | 2 | M10x120 | SUS304 | |
| 48 | 142-164-19 | Spring Washer | 2 | M10 | SUS304 | |
| 49 | 142-297-12 | Seal Washer | 2 | SM-10 | SUS+NBR | * |
| 50 | 140-076-17 | Hex.Bolt | 1 | M10x30 | SUS304 | |
| 51 | 142-164-19 | Spring Washer | 1 | M10 | SUS304 | |
| 52 | 140-130-10 | Hex.Bolt | 6 | M16x70 | SUS304 | |
| 53 | 142-166-11 | Spring Washer | 6 | M16 | SUS304 | |
| 54 | 051-231-13 | Motor Head Cover | 1 | | FC | |
| 55 | 122-503-12 | O-Ring | 1 | 435xd6 | NBR | * |
| 56 | 122-344-13 | O-Ring | 1 | 234.3xd5.7 | NBR | * |
| 57 | 016-115-11 | Lead Wire Protection Bush | 1 | GH-645/845(for 5 cores) | SBR | |
| 58 | 016-112-18 | Lead Wire Protection Bush | 1 | GH-645/845(for 3 cores) | SBR | |
| 59 | 140-128-15 | Hex.Bolt | 6 | M16x60 | SUS304 | |
| 60 | 142-166-11 | Spring Washer | 6 | M16 | SUS304 | |
| 61 | 050-340-13 | Motor Bracket | 1 | | FC | |
| 62 | 122-305-12 | O-Ring | 1 | 442xd6 | NBR | * |
| 63 | 142-280-12 | Wave Washer | 1 | 6310 | SK5 | |
| 64 | 052-113-11 | Bearing | 1 | 6310ZZC3 | | |
| 65 | 122-133-17 | O-Ring | 1 | G-110(109.4xd3.1) | NBR | * |
| 66 | 065-191-13 | Outer Cover | 1 | GH-37/45KW | SS | |
| 67 | 055-721-17 | Rotor | 1Set | | | |
| 68 | 147-056-12 | Impeller Key | 1 | 10x8x50L | SUS420 | |
| 69 | 053-309-19 | Motor Protector | 3 | 9700K-46-215 | (H) | |
| 70 | | Stator 460V-60Hz(USA) | 1Set | | | |
| | | Stator 575V-60Hz(USA) | 1Set | | | |
| 71 | 122-107-12 | O-Ring | 1 | P-315(314.5xd8.5) | NBR | * |
| 72 | 064-391-12 | Motor Frame | 1 | | FC | |
| 73 | 122-259-10 | O-Ring | 1 | 12xd3 | NBR | * |
| 74 | 144-490-13 | Stator Set Bolt | 1 | M12(B=21) | SUS403 | |
| 75 | 122-151-11 | O-Ring | 1 | G-200(199.3xd5.7) | NBR | * |
| 76 | 122-159-19 | O-Ring | 1 | G-280(279.3xd5.7) | NBR | * |
| 77 | 140-054-48 | Hex.Bolt | 4 | M8x20 | SWRM | |
| 78 | 062-178-15 | Bearing Fixing Plate | 1 | | SS | |
| 79 | 052-145-12 | Bearing | 1Set | 6314ZZD2C3 | | |
| 80 | 142-247-17 | Bearing Washer | 1 | AW14 | SPCC | |
| 81 | 141-079-13 | Bearing Nut | 1 | AN14 | SS | |
| 82 | 026-272-18 | Oil Seal | 1 | SC-50689 | NBR | |
| 83 | 122-305-12 | O-Ring | 1 | 442xd6 | NBR | * |
| 84 | 140-103-14 | Hex.Bolt | 6 | M12x60 | SUS304 | |
| 85 | 142-165-10 | Spring Washer | 6 | M12 | SUS304 | |
| 86 | 060-417-13 | Bearing Housing | 1 | | FC | |

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| 87 | 035-113-18 | Oil Plug | 2 | M12x14 | SUS304 | |
| 88 | 121-247-12 | Packing | 2 | d12.3xd18x2t | PE | * |
| 89 | 122-305-12 | O-Ring | 1 | 442xd6 | NBR | * |
| 90 | 142-166-11 | Spring Washer | 6 | M16 | SUS304 | |
| 91 | 140-127-14 | Hex.Bolt | 6 | M16x55 | SUS304 | |
| 92 | 025-000-04 | Mechanical Seal | 1 | HT-4550N | SiC | |
| 93 | 143-070-23 | Pan Screw | 2 | M5x6 | SWRM | |
| 94 | 030-136-12 | Oil Lifter | 1 | HT-4550 | Resin | |
| 95 | 143-070-10 | Pan Screw | 6 | M5x6 | SWRM | |
| 96 | 030-145-14 | Seal Stopper | 1 | HT-4550 | SPCC | |
| 97 | 122-282-12 | O-Ring | 1 | 295xd4 | NBR | * |
| 98 | 029-346-13 | Oil Casing | 1 | LH-37/45KW | FC | |
| 99 | 142-165-10 | Spring Washer | 6 | M12 | SUS304 | |
| 100 | 140-097-14 | Hex.Bolt | 6 | M12x30 | SUS304 | |
| 101 | 122-282-12 | O-Ring | 1 | 295xd4 | NBR | * |
| 102 | 071-119-16 | Shaft Sleeve | 1 | GH-370H/L | SUS403 | |
| 103 | 020A8211 | Pump Casing | 1 | LH637/645(w/Labyrinth Ring) | FC | |
| 104 | 026-130-13 | Oil Seal | 1 | TCN-487012 | NBR | |
| 105 | 071-121-11 | Shaft Sleeve | 1 | GH-370H/L | SUS403 | |
| 106 | 040-126-10 | Impeller Shim | | d41.5xd59x0.3t | SUS304 | |
| 107 | 021-646-38 | Impeller (60Hz) | 1 | LH645-60 | HiCrFC | |
| 108 | 047-107-29 | Impeller Thread Protect.Cover | 1 | No.6(33) | SUS304 | |
| 109 | 142-171-19 | Spring Washer | 1 | M30 | SUS304 | |
| 110 | 157-022-10 | Impeller Nut | 1 | M30_P3.5(B=46,Hex.Cap Nut) | SUS304 | |
| 111 | 033-125-17 | Suction Mouth Ring | 1Set | GH-645 | HiCrFC+FC | |
| 112 | 122-246-14 | O-Ring | 1 | 180xd3.1 | NBR | * |
| 113 | 122-306-13 | O-Ring | 1 | 305xd5 | NBR | * |
| 114 | 022-587-17 | Suction Cover | 1 | GH-637 | FC | |
| 115 | 142-165-10 | Spring Washer | 6 | M12 | SUS304 | |
| 116 | 140-097-14 | Hex.Bolt | 6 | M12x30 | SUS304 | |
| 117 | 142-163-18 | Spring Washer | 3 | M8 | SUS304 | |
| 118 | 141-005-18 | Hex.Nut | 3 | M8 | SUS304 | |
| 119 | 140-058-42 | Hex.Bolt | 3 | M8x40 | SUS304 | |
| 120 | 141-005-18 | Hex.Nut | 3 | M8 | SUS304 | |
| 121 | 140-055-10 | Hex.Bolt | 3 | M8x25 | SUS304 | |
| 122 | 144-123-12 | Stud Bolt | 3 | M12x120(20/20) | SUS403 | |
| 123 | 023-133-17 | Strainer Stand | 1Set | GH-370/450H | SS | |
| 124 | 142-165-10 | Spring Washer | 3 | M12 | SUS304 | |
| 125 | 141-007-10 | Hex.Nut | 3 | M12 | SUS304 | |
| 126 | 141-007-10 | Hex.Nut | 3 | M12 | SUS304 | |
| 127 | 142-129-12 | Plain Washer | 3 | M12 | SUS304 | |
| 128 | 142-165-10 | Spring Washer | 3 | M12 | SUS304 | |
| 129 | 043-102-19 | Cathodic Protection Plate | 3 | AB-1HS(75x70x20t) | Al | |
| 130 | 140-096-13 | Hex.Bolt | 3 | M12x25 | SUS304 | |

* Indicates items included in set

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| | | NPT Flange Version | | | | |
| | 048-000-51 | Screwed Flange | 1 | NPT-6(JIS10K) | FC | |
| | 121-108-23 | Packing | 1 | JIS10Kx150mm | NR | |
| | 140-155-11 | Hex.Bolt | 8 | M20x85 | SUS304 | |
| | 142-168-13 | Spring Washer | 8 | M20 | SUS304 | |
| | 141-009-12 | Hex.Nut | 8 | M20 | SUS304 | |
| | | Packing O-Ring Set | | | | |
| | 173-511-11 | Packing O-Ring Set | 1Set | (Marked by *) | | |
| 19 | 122-264-18 | O-Ring (S.Box) | 1 | 140xd3.5 | NBR | * |
| 37 | 121-500-16 | Packing (Discharge Pipe/Head Cover) | 1 | LH637/875 | THREE SHEET | * |
| 46 | 121-247-12 | Packing (Air Tightness Test Plug) | 1 | d12.3xd18x2t | PE | * |
| 49 | 142-297-12 | Seal Washer (Motor Head Cover Bolt) | 2 | SM-10 | SUS+NBR | * |
| 55 | 122-503-12 | O-Ring (Head Cover/M.Bracket) | 1 | 435xd6 | NBR | * |
| 56 | 122-344-13 | O-Ring (Head Cover/M.Bracket) | 1 | 234.3xd5.7 | NBR | * |
| 62 | 122-305-12 | O-Ring (M.Bracket/Out.Cover) | 1 | 442xd6 | NBR | * |
| 65 | 122-133-17 | O-Ring (Upp. Bearing) | 1 | G-110(109.4xd3.1) | NBR | * |
| 71 | 122-107-12 | O-Ring (M.Bracket/M.Frame) | 1 | P-315(314.5xd8.5) | NBR | * |
| 73 | 122-259-10 | O-Ring (Stator Set Bolt) | 1 | 12xd3 | NBR | * |
| 75 | 122-151-11 | O-Ring (M.Frame/Brq.Housing) | 1 | G-200(199.3xd5.7) | NBR | * |
| 76 | 122-159-19 | O-Ring (M.Frame/Brq.Housing) | 1 | G-280(279.3xd5.7) | NBR | * |
| 83 | 122-305-12 | O-Ring (Out.Cover/Brq.Housing) | 1 | 442xd6 | NBR | * |
| 88 | 121-247-12 | Packing (Oil Plug) | 2 | d12.3xd18x2t | PE | * |
| 89 | 122-305-12 | O-Ring (Brq.Housing/P.Casing) | 1 | 442xd6 | NBR | * |
| 97 | 122-282-12 | O-Ring (Brq.Housing/O.Casing) | 1 | 295xd4 | NBR | * |
| 101 | 122-282-12 | O-Ring (O.Casing/P.Casing) | 1 | 295xd4 | NBR | * |
| 112 | 122-246-14 | O-Ring (Suction Mouth Ring/S.Cover) | 1 | 180xd3.1 | NBR | * |
| 113 | 122-306-13 | O-Ring (P.Casing/S.Cover) | 1 | 305xd5 | NBR | * |
| | | Lubricant | | Turbine Oil VG32 4,800ml | | |
| | | <Impeller Puller> | | | | |
| | 183-011-17 | Impeller Puller | 1 | A No.6 2" | FC | |

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EXPLODED VIEW

LH645-50/60

