

| PARTS LIST |            | CONTRACTOR PUMPS                  |     |                         | 3/29/2013   |       |
|------------|------------|-----------------------------------|-----|-------------------------|-------------|-------|
| ITEM       | PART No.   | DESCRIPTION                       | QTY | SIZE                    | MATERIAL    | NOTES |
| 1          | 141-006-19 | Hex.Nut                           | 3   | M10                     | SUS304      |       |
| 2          | 010-103-21 | Cable Clip                        | 2   | No.4                    | SPC         |       |
| 3          | 009-117-11 | Terminal                          | 6   | R-22-6                  | CU          |       |
| 4          | 009-107-18 | Terminal                          | 1   | R-14-6                  | CU          |       |
| 5          | 009-116-10 | Terminal                          | 2   | R-2-4                   | CU          |       |
| 6          | 140-074-15 | Hex.Bolt                          | 3   | M10x20                  | SUS304      |       |
| 7          | 011-110-11 | Shackle                           | 1   | 6mm(M8,SC)              | SS          |       |
| 8          | 095-100-18 | Chain                             | 1   | d5(9-Link)              | SS          |       |
| 9          | 072-103-23 | Eve Bolt                          | 2   | M24                     | SUS304      |       |
| 10         |            | Cabtyre Cable (Sold per meter)    |     |                         |             |       |
| 11         | 140-058-42 | Hex.Bolt                          | 4   | M8x40                   | SUS304      |       |
| 12         | 141-005-18 | Hex.Nut                           | 4   | M8                      | SUS304      |       |
| 13         | 003-106-19 | Gland                             | 1   | No.5                    | FC          |       |
| 14         | 004-153-14 | Cable Bush                        | 1   | d39xd58x25.5l           | NBR         |       |
| 15         | 140-000-01 | Hex.Bolt                          | 4   | M10x30(B=14)            | SUS304      |       |
| 16         | 006-119-27 | Stuffing Box                      | 1   | KRS-8L                  | FC          |       |
| 17         | 122-135-19 | O-Ring                            | 1   | G-120(119.4xd3.1)       | NBR         |       |
| 18         | 008-135-12 | Mould Cover                       | 1   | GHZ-430W                | NBR         |       |
| 19         | 003-149-14 | Gland (Lower)                     | 1   | No.5                    | FC          |       |
| 20         | 141-004-46 | Hex.Nut                           | 6   | M6                      | C3604       |       |
| 21         | 009-168-17 | Terminal                          | 6   | R-22-S6                 | CU          |       |
| 22         | 009-107-18 | Terminal                          | 6   | R-14-6                  | CU          |       |
| 23         | 140-029-31 | Hex.Bolt                          | 6   | M6x10                   | C3604       |       |
| 24         | 002-115-18 | Heat Shrink Tube (Sold per meter) | m   | EVA(d16.5x1t)           | (Vm)        |       |
| 25         | 002-116-19 | Heat Shrink Tube (Sold per meter) | m   | A4(d20x0.35t)           | (Vm)        |       |
| 26         | 009-114-18 | Connector                         | 2   | PC-4020M                |             |       |
| 27         | 009-107-18 | Terminal                          | 1   | R-14-6                  | CU          |       |
| 28         | 140-033-12 | Hex.Bolt                          | 4   | M6x16                   | SUS304      |       |
| 29         | 009-115-19 | Connector                         | 2   | PC-4020F                |             |       |
| 30         | 002-128-14 | Heat Shrink Tube (Sold per meter) | m   | EVA(d10x1t)             | (Vm)        |       |
| 31         | 002-134-13 | Heat Shrink Tube (Sold per meter) | m   | A(d13x0.3t)             | (Vm)        |       |
| 32         | 141-007-10 | Hex.Nut                           | 8   | M12                     | SUS304      |       |
| 33         | 142-165-10 | Spring Washer                     | 8   | M12                     | SUS304      |       |
| 34         | 144-420-38 | Stud Bolt                         | 8   | M12x35(22/24)(JIS)      | SUS304      |       |
| 35         | 037-351-16 | Flanged Discharge Pipe            | 1   | 100mmJIS20K,GHZ430W     | SGP+SS      |       |
| 36         | 121-447-14 | Packing                           | 1   | d78xd152x1t             | THREE SHEET |       |
| 37         | 140-134-14 | Hex.Bolt                          | 4   | M16x90                  | SUS304      |       |
| 38         | 142-166-11 | Spring Washer                     | 4   | M16                     | SUS304      |       |
| 39         | 142-353-17 | Seal Washer                       | 4   | SM-16                   | SUS+NBR     |       |
| 40         | 051-222-11 | Motor Head Cover                  | 1   |                         | FC          |       |
| 41         | 122-147-14 | O-Ring                            | 1   | G-180(179.3xd5.7)       | NBR         |       |
| 42         | 143-028-13 | Pan Screw                         | 2   | M5x10                   | SWRM        |       |
| 43         | 214-006-18 | Blind Cover                       | 1   | d100x1.6t               | SPC         |       |
| 44         | 016-114-10 | Lead Wire Protection Bush         | 1   | GH-637/837(for 5 cores) | SBR         |       |

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| 45         | 016-113-19 | Lead Wire Protection Bush | 1    | GH-422/430(for 3 cores) | SBR       |       |
| 46         | 140-100-11 | Hex.Bolt                  | 6    | M12x45                  | SUS304    |       |
| 47         | 142-165-10 | Spring Washer             | 6    | M12                     | SUS304    |       |
| 48         | 050-407-19 | Motor Bracket             | 1    |                         | FC        |       |
| 49         | 142-199-13 | Wave Washer               | 1    | 6208/6307               | SK5       |       |
| 50         | 052-110-18 | Bearing                   | 1    | 6307ZC3                 |           |       |
| 51         | 122-127-18 | O-Ring                    | 1    | G-80(79.4xd3.1)         | NBR       |       |
| 52         | 121-454-14 | Packing                   | 1    | d291xd307.8x16.4t       | NBR       |       |
| 53         | 065-339-15 | Outer Cover               | 1    | GHZ-430W                | SS        |       |
| 54         | 121-454-14 | Packing                   | 1    | d291xd307.8x16.4t       | NBR       |       |
| 55         | 055-725-11 | Rotor                     | 1Set |                         |           |       |
| 56         | 147-132-13 | Impeller Key              | 1    | 10x8x25l                | SUS420    |       |
| 57         |            | Motor Protector           |      |                         |           |       |
| 58         |            | Stator                    | 1Set |                         |           |       |
| 59         | 122-153-13 | O-Ring                    | 1    | G-220(219.3xd5.7)       | NBR       |       |
| 60         | 064-390-11 | Motor Frame               | 1    |                         | FC        |       |
| 61         | 122-259-10 | O-Ring                    | 1    | 12xd3                   | NBR       |       |
| 62         | 144-490-13 | Stator Set Bolt           | 1    | M12(B=21)               | SUS403    |       |
| 63         | 122-171-17 | O-Ring                    | 1    | V-150(148.5xd4)         | NBR       |       |
| 64         | 122-150-10 | O-Ring                    | 1    | G-195(184.3xd5.7)       | NBR       |       |
| 65         | 121-463-16 | Packing (Felt)            | 2    | 4x4.4x217l              | Felt      |       |
| 66         | 140-055-49 | Hex.Bolt                  | 4    | M8x25                   | SWRM      |       |
| 67         | 062-210-10 | Bearing Cover             | 1    | d55.5xd160x22t          | FC        |       |
| 68         | 052-120-11 | Bearing                   | 1Set | 7311ADBC3               |           |       |
| 69         | 142-244-14 | Bearing Washer            | 1    | AW11                    | SPCC      |       |
| 70         | 141-076-10 | Bearing Nut               | 1    | AN11                    | SS        |       |
| 71         | 026-272-18 | Oil Seal                  | 1    | SC-50689                | NBR       |       |
| 72         | 060-420-19 | Bearing Housing           | 1    |                         | FC        |       |
| 73         | 121-247-12 | Packing                   | 2    | d12.3xd18x2t            | PE        |       |
| 74         | 035-113-18 | Oil Plug                  | 2    | M12x14                  | SUS304    |       |
| 75         | 142-165-10 | Spring Washer             | 6    | M12                     | SUS304    |       |
| 76         | 140-100-11 | Hex.Bolt                  | 6    | M12x45                  | SUS304    |       |
| 77         | 025-000-04 | Mechanical Seal           | 1    | HT-4550N                | SiC       |       |
| 78         | 143-027-12 | Pan Screw                 | 6    | M5x8                    | SWRM      |       |
| 79         | 030-130-16 | Oil Ring                  | 1    | HT-4550                 | SPCC      |       |
| 80         | 122-251-12 | O-Ring                    | 1    | 205xd3.8                | NBR       |       |
| 81         | 029-000-90 | Oil Casing                | 1    | LH322W/430W             | FC        |       |
| 82         | 142-164-19 | Spring Washer             | 4    | M10                     | SUS304    |       |
| 83         | 140-286-12 | Hex.Socket Cap Bolt       | 4    | M10x30                  | SUS304    |       |
| 84         | 071-299-11 | Shaft Sleeve (Upper)      | 1    | d40xd50x23t             | SUS403    |       |
| 85         | 144-438-26 | Stud Bolt                 | 4    | M16x55(28/24)(JIS)      | SUS304    |       |
| 86         | 122-016-13 | O-Ring                    | 4    | P-16(15.8xd2.4)         | NBR       |       |
| 87         | 122-251-12 | O-Ring                    | 1    | 205xd3.8                | NBR       |       |
| 88         | 122-295-18 | O-Ring                    | 1    | 310xd3.8                | NBR       |       |

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| 89         | 020-002-94 | Pump Casing (Upper)                 | 1    | GHZ-430W(w/Labyrinth Ring)   | FC+SUS      |       |
| 90         | 142-166-11 | Spring Washer                       | 4    | M16                          | SUS304      |       |
| 91         | 141-008-11 | Hex.Nut                             | 4    | M16                          | SUS304      |       |
| 92         | 140-125-12 | Hex.Bolt                            | 4    | M16x45                       | SUS304      |       |
| 93         | 142-166-11 | Spring Washer                       | 4    | M16                          | SUS304      |       |
| 94         | 122-255-16 | O-Ring                              | 1    | 340xd5                       | NBR         |       |
| 95         | 040-126-10 | Impeller Shim                       |      | d41.5xd59x0.3t               | SUS304      |       |
| 96         | 021F9212   | Impeller (50Hz)                     | 2    | LH430W-50                    | HiCrFC      |       |
| 96         | 021F9313   | Impeller (60Hz)                     | 2    | LH430W-60                    | HiCrFC      |       |
| 97         | 020-002-95 | Pump Casing (Middle)                | 1    | w/Mouth Ring, Labvrinth Ring | FC          |       |
| 98         | 122-255-16 | O-Ring                              | 1    | 340xd5                       | NBR         |       |
| 99         | 071-300-16 | Shaft Sleeve (Lower)                | 1    | d40xd50x47t                  | SUS403      |       |
| 100        | 040-126-10 | Impeller Shim                       |      | d41.5xd59x0.3t               | SUS304      |       |
| 101        | 142-134-10 | Plain Washer                        | 1    | M30                          | SUS304      |       |
| 102        | 141-012-50 | Hex.Nut                             | 2    | M30(H=18)                    | SUS304      |       |
| 103        | 020-898-18 | Pump Casing (Lower)                 | 1    | GHZ-430W(w/Mouth Ring)       | FC+HiCrFC   |       |
| 104        | 142-166-11 | Spring Washer                       | 4    | M16                          | SUS304      |       |
| 105        | 140-126-13 | Hex.Bolt                            | 4    | M16x50                       | SUS304      |       |
| 106        | 141-007-10 | Hex.Nut                             | 2    | M12                          | SUS304      |       |
| 107        | 142-165-10 | Spring Washer                       | 2    | M12                          | SUS304      |       |
| 108        | 142-129-12 | Plain Washer                        | 2    | M12                          | SUS304      |       |
| 109        | 043-102-19 | Cathodic Protection Plate           | 2    | AB-1HS(75x70x20t)            | Al          |       |
| 110        | 140-096-13 | Hex.Bolt                            | 2    | M12x25                       | SUS304      |       |
| 111        | 144-128-17 | Stud Bolt                           | 4    | M16x110(24/24)               | SUS403      |       |
| 112        | 023-438-15 | Strainer Stand                      | 1    | GHZ-430W                     | SS          |       |
| 113        | 142-166-11 | Spring Washer                       | 4    | M16                          | SUS304      |       |
| 114        | 141-008-11 | Hex.Nut                             | 4    | M16                          | SUS304      |       |
|            |            | <Oil Lifter Version>                |      |                              |             |       |
| AA         | 143-070-23 | Pan Screw                           | 2    | M5x6                         | SWRM        |       |
| BB         | 030-136-12 | Oil Lifter                          | 1    | HT-4550                      | Resin       |       |
| CC         | 143-070-10 | Pan Screw                           | 6    | M5x6                         | SWRM        |       |
| DD         | 030-145-14 | Seal Stopper                        | 1    | HT-4550                      | SPCC        |       |
|            |            | <Packing O-Ring Set>                |      |                              |             |       |
|            | 173-488-18 | Packing O-Ring Set                  | 1Set | (Marked by *)                |             |       |
| 17         | 122-135-19 | O-Ring (S.Box)                      | 1    | G-120(119.4xd3.1)            | NBR         |       |
| 36         | 121-447-14 | Packing (Discharge Pipe)            | 1    | d78xd152x1t                  | THREE SHEET |       |
| 39         | 142-353-17 | Seal Washer (Motor Head Cover bolt) | 4    | SM-16                        | SUS+NBR     |       |
| 41         | 122-147-14 | O-Ring (Head Cover/M.Bracket)       | 1    | G-180(179.3xd5.7)            | NBR         |       |
| 51         | 122-127-18 | O-Ring (Upp. Bearing)               | 1    | G-80(79.4xd3.1)              | NBR         |       |
| 52         | 121-454-14 | Packing (Head Cover/Out.Cover)      | 1    | d291xd307.8x16.4t            | NBR         |       |
| 54         | 121-454-14 | Packing (Out.Cover/Brq.Housing)     | 1    | d291xd307.8x16.4t            | NBR         |       |
| 59         | 122-153-13 | O-Ring (M.Bracket/M.Frame)          | 1    | G-220(219.3xd5.7)            | NBR         |       |
| 61         | 122-259-10 | O-Ring (Stator Set Bolt)            | 1    | 12xd3                        | NBR         |       |
| 63         | 122-171-17 | O-Ring (M.Frame/Brq.Housing)        | 1    | V-150(148.5xd4)              | NBR         |       |



MODEL LH430W-60

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| ITEM       | PART No.   | DESCRIPTION                        | QTY | SIZE                     | MATERIAL | NOTES     |
| 64         | 122-150-10 | O-Ring (M.Frame/Brg.Housing)       | 1   | G-195(184.3xd5.7)        | NBR      |           |
| 73         | 121-247-12 | Packing (Oil Plug)                 | 2   | d12.3xd18x2t             | PE       |           |
| 80         | 122-251-12 | O-Ring (Brg.Housing/O.Casing)      | 1   | 205xd3.8                 | NBR      |           |
| 86         | 122-016-13 | O-Ring (Upp. P.Casing Bolt)        | 4   | P-16(15.8xd2.4)          | NBR      |           |
| 87         | 122-251-12 | O-Ring (O.Casing/Upp. P.Casing)    | 1   | 205xd3.8                 | NBR      |           |
| 88         | 122-295-18 | O-Ring (Brg.Housing/Upp. P.Casing) | 1   | 310xd3.8                 | NBR      |           |
| 94         | 122-255-16 | O-Ring (Upp./Mid. P.Casing)        | 1   | 340xd5                   | NBR      |           |
| 98         | 122-255-16 | O-Ring (Mid./Low. P.Casing)        | 1   | 340xd5                   | NBR      |           |
|            |            | Lubricant                          |     | Turbine Oil VG32 2,050ml |          |           |

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LH430W-50/60

