

| PARTS LIST |            | LIGHTWEIGHT DEWATERING PUMP         |      |                      | 12/12/2013 |   |
|------------|------------|-------------------------------------|------|----------------------|------------|---|
| ITEM       | PART No.   | DESCRIPTION                         | QTY  | SIZE                 | MATERIAL   | NOTES   |
| 1          | 140-427-17 | Hex.Bolt (w/Plain Washer)           | 2    | M5x15                | SUS304     |   |
| 2          | 001-803-33 | Cabletyre Cable Set (50') 60Hz(USA) | 1    | VCT4Cx1.25mm2        | LBT        |   |
| 3          | 003-190-10 | Gland                               | 1    |                      | SUS316     |   |
| 4          | 068-273-19 | Handle                              | 1    | KTVE21.5/22.2-51/61  | SPC+NBR    |   |
| 5          | 010-126-17 | Cable Clip Rubber                   | 1    | HS2                  | NBR        |   |
| 6          | 140-054-19 | Hex.Bolt                            | 1    | M8x20                | SUS304     |   |
| 7          | 010-130-14 | Cable Clip                          | 1    | HK2-4/15             | SPC        |   |
| 8          | 140-056-11 | Hex.Bolt                            | 3    | M8x30                | SUS304     |   |
| 9          | 142-210-11 | Plain Washer                        | 3    | d8.6xd13.4x1t        | SUS304     |   |
| 10         | 032-351-11 | Hose Coupling                       | 1    | KTVE2-15(NPT-2)      | FC         |   |
| 11         | 121-001-09 | Packing                             | 1    | KTVE2-15/22          | NBR        | *   |
| 12         | 140-070-11 | Hex.Bolt                            | 4    | M8x100               | SUS304     |   |
| 13         | 142-163-18 | Spring Washer                       | 4    | M8                   | SUS304     |   |
| 14         | 142-127-10 | Plain Washer                        | 4    | M8                   | SUS304     |   |
| 15         | 051-254-12 | Motor Head Cover                    | 1    |                      | ADC        |   |
| 16         | 143-085-34 | Pan Screw (w/Spring Washer)         | 1    | M4x6                 | C3604      |   |
| 17         | 114-000-65 | Relay Unit                          | 1Set | ME0K1-KA2            |            |   |
|            | 143-183-17 | Truss Screw                         | 4    | M3x20                | SUS304     |   |
| 18         | 143-136-15 | Truss Screw                         | 2    | M4x10                | SWRM       |   |
| 19         | 053-407-18 | Motor Protector 220V-60Hz(USA)      | 1    | KA313-GDXL103        | (T)        |   |
|            | 053-411-15 | Motor Protector 440V-60Hz(USA)      | 1    | KA313-GQXL104        | (T)        |   |
| 20         | 143-169-17 | Truss Screw                         | 2    | M3x8                 | SWRM       |   |
| 21         | 115-134-16 | Transformer 220V-60Hz(USA)          | 1    | EK200/20             |            |   |
|            | 115-149-14 | Transformer 440V-60Hz(USA)          | 1    | EK400/20             |            |   |
| 22         | 016-139-11 | Lead Wire Protection Bush           | 2    | KTVE21.5/22.2        |            |   |
| 23         | 121-445-12 | Packing (Water Way, Upp.)           | 1    | KTVE2-15/22          | NBR        | *   |
| 24         | 122-473-12 | O-Ring                              | 1    | 150xd3.3             | NBR        | *   |
| 25         | 140-427-17 | Hex Bolt with Plain Washer          | 2    | M5x15                | SUS304     | replaces 143-031-22 pan screw   |
| 26         | 090-000-40 | Electrode Level Sensor (for USA)    | 1Set | KTVE                 | CR         | interchangable with OLD part# 090-115-11 (rev1) and 090-000-23 (rev2) |
| 27         | 143-170-11 | Truss Screw                         | 2    | M4x6                 | SWRM       |   |
| 28         | 127-233-13 | Power Relay Fixing Plate            | 1    |                      | SECC       |   |
| 29         | 114-170-11 | Electromagnetic Contactor           | 1    | G7L-2A-B(DC24V)      |            |   |
| 30         | 121-519-18 | Packing (Water Way, Mid.)           | 1    | KTVE21.5/22.2        | NBR        | *   |
| 31         | 050-431-25 | Motor Bracket                       | 1    |                      | ADC        |   |
| 32         | 122-293-16 | O-Ring                              | 1    | 47xd3.1              | NBR        | *   |
| 33         | 142-195-19 | Wave Washer                         | 1    | 6204/6303(d47x.0.3t) | SK5        |   |
| 34         | 052-103-18 | Bearing                             | 1    | 6204ZZC3             |            |   |
| 35         | 056B7210   | Stator 220V-60Hz(USA)               | 1Set |                      |            |   |
|            | 056-002-41 | Stator 440V-60Hz(USA)               | 1Set |                      |            |   |
| 36         | 145-028-19 | Stator Set Pin                      | 1    | d6x32                | S45C       |   |
| 37         | 055-662-19 | Rotor                               | 1Set | w/Bearing            |            |   |
| 38         | 147-128-16 | Impeller Key                        | 1    | 5x5x18.5l            | SUS403     |   |
| 39         | 061-161-12 | Bearing Collar                      | 1    | d25.1xd36x1.6t       | SPC        |   |
| 40         | 052-108-13 | Bearing                             | 1    | 6305ZZC3             |            |   |

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| 41         | 122-473-12 | O-Ring                        | 1    | 150xd3.3               | NBR        | *  |
| 42         | 064-000-84 | Motor Frame                   | 1    |                        | ADC        |  |
| 43         | 121-246-11 | Packing                       | 1    | d10.3xd16x2t           | PE         | *  |
| 44         | 035-125-13 | Oil Plug                      | 1    | M10x20(B=13)           | SUS304     |  |
| 45         | 025-243-17 | Mechanical Seal               | 1    | H-20T                  | SiC        |  |
| 46         | 143-070-10 | Pan Screw                     | 2    | M5x6                   | SWRM       |  |
| 47         | 030-122-15 | Seal Stopper                  | 1    | H-20                   | SPC        |  |
| 48         | 121-001-04 | Packing (Water Way, Low.)     | 1    | KTV2-15/22             | SBR        | *  |
| 49         | 122-134-18 | O-Ring                        | 1    | G-115(114.4xd3.1)      | NBR        | *  |
| 50         | 029-000-77 | Oil Casing                    | 1    | KTV2-15/22             | ADC        | interchangeable with OLD part#029-408-14 |
| 51         | 140-270-13 | Hex.Socket Cap Bolt           | 4    | M8x30                  | SUS304     |  |
| 52         | 058-000-25 | Protection Plate              | 1    | d44xd70x3t             | SUS304     | interchangeable with OLD part#058-000-10 |
| 53         | 143-166-14 | Flat Screw                    | 2    | M4x8                   | SUS304     |  |
| 54         | 031-000-08 | Wear Ring                     | 1    | KTV2-15/22             | BR+NR      |  |
| 55         | 122-443-13 | V-Ring                        | 1    | VR-20                  | NBR        |  |
| 56         | 071-297-19 | Shaft Sleeve                  | 1    | d16xd20x10l            | SUS304     |  |
| 57         | 021F7519   | Impeller (60Hz)               | 1    | KTVE22.2-61            | FCD        |  |
| 58         | 142-129-25 | Plain Washer                  | 1    | M12                    | SPC        |  |
| 59         | 141-007-10 | Hex.Nut                       | 1    | M12                    | SUS304     |  |
| 60         | 141-032-14 | Hex.Cap Nut                   | 1    | M12                    | SUS304     |  |
| 61         | 020B1918   | Pump Casing                   | 1    | KTV2-15/22             | BR+NR      |  |
| 62         | 127-249-12 | Fixing Plate                  | 1    | KTV2-15/22             | SPCC       |  |
| 63         | 023-432-19 | Strainer Stand                | 1    | KTV2-15/22             | SPCC       |  |
| 64         | 142-127-23 | Plain Washer                  | 4    | M8                     | SPC        |  |
| 65         | 140-067-15 | Hex.Bolt                      | 4    | M8x85                  | SUS304     |  |
|            |            | <Oil Lifter Version>          |      |                        |            |  |
| AA         | 143-070-23 | Pan Screw                     | 2    | M5x6                   | SWRM       |  |
| BB         | 030-144-13 | Oil Lifter                    | 1    | H-20(A)(T)             | Resin      |  |
| CC         | 143-070-10 | Pan Screw                     | 2    | M5x6                   | SWRM       |  |
| DD         | 030-155-17 | Seal Stopper                  | 1    | H-20(KTV2)             | SPCC       |  |
|            |            | <b>Packing O-Ring Set</b>     |      |                        |            |  |
|            | 173-522-15 | Packing O-Ring Set            | 1Set | (Marked by *)          |            |  |
| 11         | 121-001-09 | Packing (Hose Coupling)       | 1    | KTV2-15/22             | NBR        | *  |
| 23         | 121-445-12 | Packing (Water Way, Upp.)     | 1    | KTV2-15/22             | NBR        | *  |
| 24         | 122-473-12 | O-Ring (Head Cover/M.Bracket) | 1    | 150xd3.3               | NBR        | *  |
| 30         | 121-519-18 | Packing (Water Way, Mid.)     | 1    | KTVE21.5/22.2          | NBR        | *  |
| 32         | 122-293-16 | O-Ring (Upp. Bearing)         | 1    | 47xd3.1                | NBR        | *  |
| 41         | 122-473-12 | O-Ring (M.Bracket/M.Frame)    | 1    | 150xd3.3               | NBR        | *  |
| 43         | 121-246-11 | Packing (Oil Plug)            | 1    | d10.3xd16x2t           | PE         | *  |
| 48         | 121-001-04 | Packing (Water Way, Low.)     | 1    | KTV2-15/22             | SBR        | *  |
| 49         | 122-134-18 | O-Ring (M.Frame/O.Casing)     | 1    | G-115(114.4xd3.1)      | NBR        | *  |
|            |            | Lubricant                     |      | Turbine Oil VG32 270ml |            |  |

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## EXPLODED VIEW

KTVE21.5-61  
KTVE22.2-61

