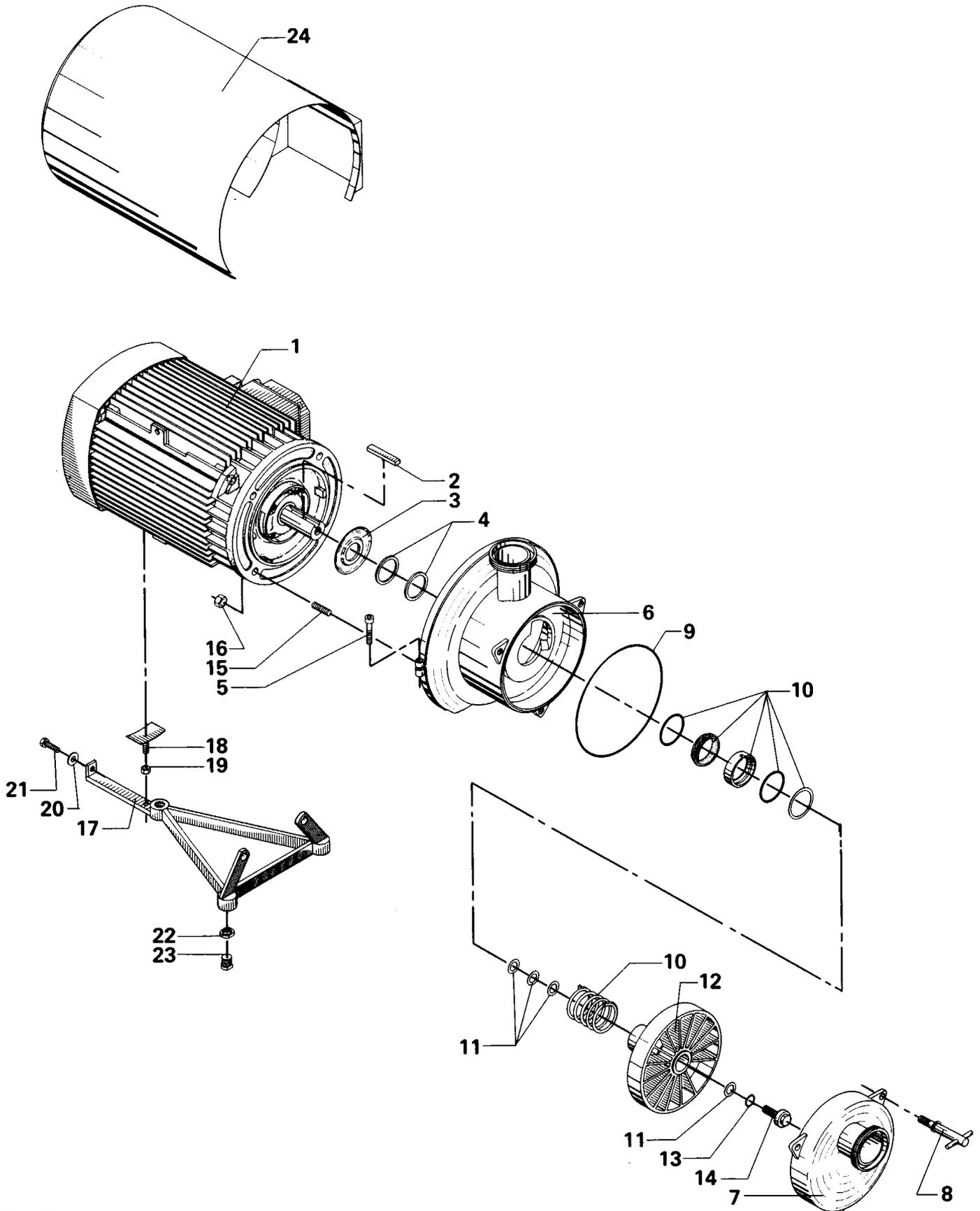


Pump MR 260 A

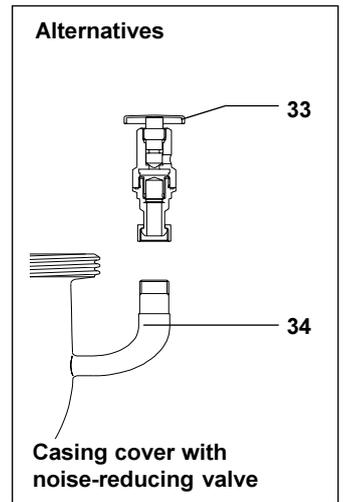
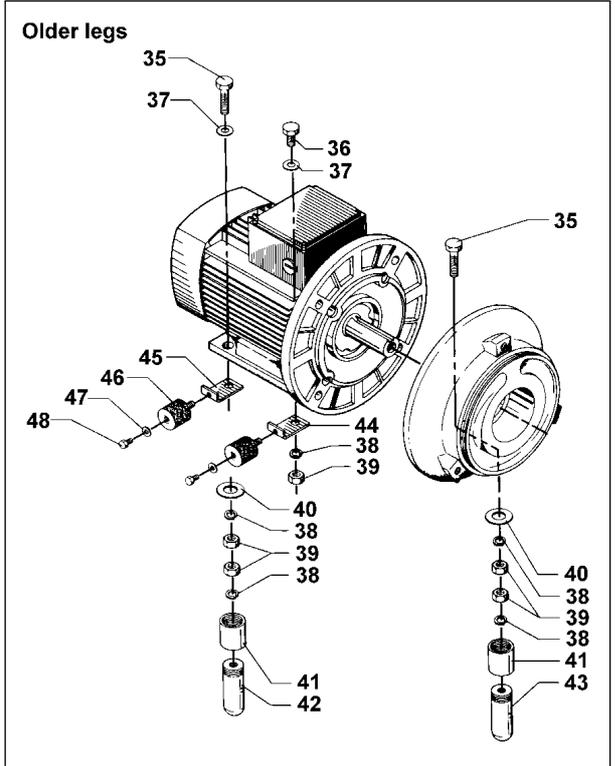
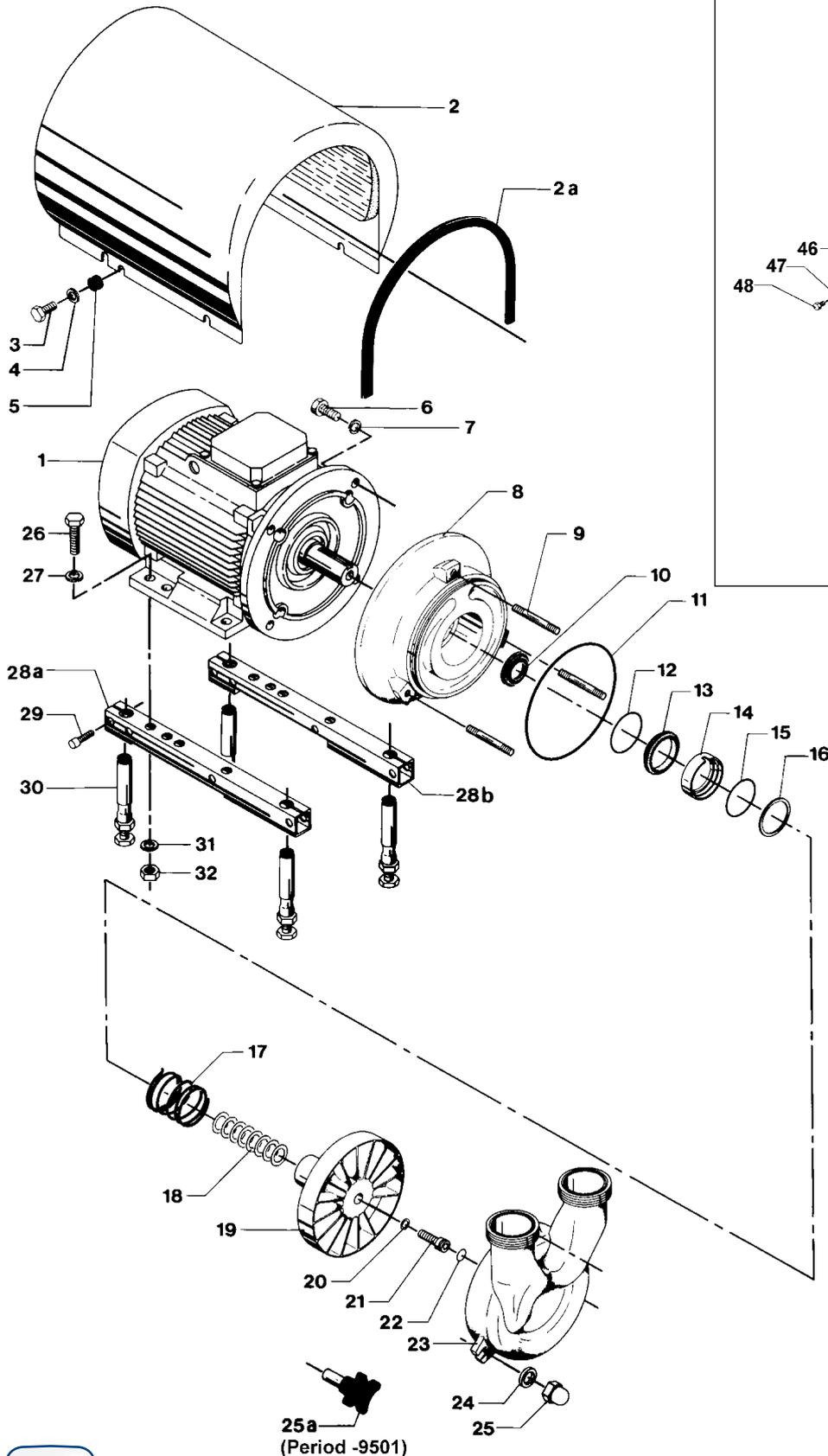


Pump MR 260 A



| Pos.       | Qty. | Denomination                           | 15 kW        | 18.5 kW      |
|------------|------|--|--------------|--------------|
| 1          | 1    | Motor 220/380 V .....                  | 31801-2558-1 | 31801-2559-1 |
|            | 1    | Motor 380/660 V .....                  | 31801-2558-3 | 31801-2559-3 |
|            | 1    | Motor 415 V .....                      | 31801-2558-2 | 31801-2559-2 |
| 2          | 1    | Key .....                              | 31438-0324-1 | 31438-0324-2 |
| 3          | 1    | Thrower .....                          | 31438-0315-1 | 31438-0315-2 |
| 4          | 1    | Packing set of 3 pieces .....          | 31438-0318-1 | 31438-0319-1 |
| 5          | 1    | Allen screw .....                      | 9611-99-1222 | 9611-99-1222 |
| 6          | 1    | Pump casing, 76.2 mm outlet + fittings |              |              |
|            |      | ISO male .....                         | 31438-0313-1 | 31438-0313-1 |
|            |      | SMS .....                              | 31438-0313-2 | 31438-0313-2 |
|            |      | DIN .....                              | 31438-0313-3 | 31438-0313-3 |
|            |      | ISO clamp .....                        | 31438-0313-4 | 31438-0313-4 |
|            |      | BS .....                               | 31438-0313-5 | 31438-0313-5 |
| 7          | 1    | Cover, 76.2 mm inlet + fittings        |              |              |
|            |      | ISO male .....                         | 31438-0314-1 | 31438-0314-1 |
|            |      | SMS .....                              | 31438-0314-2 | 31438-0314-2 |
|            |      | DIN .....                              | 31438-0314-3 | 31438-0314-3 |
|            |      | ISO clamp .....                        | 31438-0314-4 | 31438-0314-4 |
| 8          | 3    | BS .....                               | 31438-0314-5 | 31438-0314-5 |
|            |      | Clamp screw .....                      | 31438-0320-1 | 31438-0320-1 |
|            |      | O-ring for cover .....                 | 9611-99-1376 | 9611-99-1376 |
| 10         | 1    | Shaft seal, complete                   |              |              |
|            |      | EPDM, standard .....                   | 31438-0300-1 | 31438-0300-1 |
|            |      | NBR .....                              | 31438-0300-2 | 31438-0300-2 |
|            |      | FPM .....                              | 31438-0300-3 | 31438-0300-3 |
| 11         | 1    | Shims set of 4 pieces .....            | 31438-0321-1 | 31438-0321-1 |
| 12         | 1    | Impeller .....                         | 31438-0311-1 | 31438-0311-2 |
| 13         | 1    | O-ring for impeller .....              | 9611-99-1377 | 9611-99-1377 |
| 14         | 1    | Impeller screw .....                   | 31438-0317-1 | 31438-0317-1 |
| 15         | 4    | Stud .....                             | 9611-99-0782 | 9611-99-0782 |
| 16         | 4    | Nut .....                              | 221803-40    | 221803-40    |
| <b>Leg</b> |      |  |              |              |
| 17         | 1    | Leg bracket .....                      | 31438-0316-1 | 31438-0316-1 |
| 18         | 1    | Motor retainer .....                   | 31438-0327-1 | 31438-0327-1 |
| 19         | 1    | Nut .....                              | 221803-22    | 221803-22    |
| 20         | 1    | Disk .....                             | 223101-61    | 223101-61    |
| 21         | 1    | Screw .....                            | 221041-02    | 221041-02    |
| 22         | 3    | Lock nut .....                         | 31438-0326-1 | 31438-0326-1 |
| 23         | 3    | Support .....                          | 31438-0325-1 | 31438-0325-1 |
| 24         | 4    | Shroud for motor .....                 | 31438-0312-1 | 31438-0312-1 |
|            |      | Dismounting screw for impeller .....   | 31438-0331-1 | 31438-0331-1 |

Liquid Ring Pump  
Type MR 300



Liquid Ring Pump  
Type MR 300



| Pos.              | Qty. | Denomination                          | 15 kW        | 18.5 kW      |
|-------------------|------|---------------------------------------|--------------|--------------|
| 1                 | 1    | Motor, 220/380 V .....                | 31801-8504-1 | 31801-8505-1 |
|                   | 1    | Motor, 380/660 V .....                | 31801-8504-2 | 31801-8505-2 |
|                   | 1    | Motor, 415 V .....                    | 31801-8504-3 | 31801-8505-3 |
| 2                 | 1    | Shroud (Period 9409-) .....           | 9612-1390-05 | 9612-1390-06 |
|                   | 1    | Shroud (Period -9409) .....           | 31438-0347-1 | 31438-0347-1 |
| 2a                | 1    | Edge list (Period 9409-) .....        | 9612-1338-05 | 9612-1338-06 |
|                   | 1    | Edge list (Period -9409) .....        | 31460-0111-7 | 31460-0111-7 |
| 3                 | 4    | Screw .....                           | 9611-99-1176 | 221036-03    |
| 4                 | 4    | Washer .....                          | 9611-99-1831 | 9611-99-1831 |
| 5                 | 4    | Distance sleeve .....                 | 31438-0390-2 | 31438-0390-1 |
| 6                 | 4    | Screw .....                           | 9611-99-2511 | 9611-99-2511 |
| 7                 | 4    | Spring washer .....                   | 9611-99-1886 | 9611-99-1886 |
| 8                 | 1    | Pump casing .....                     | 31438-0341-1 | 31438-0341-1 |
| 9                 | 3    | Stud bolt (Period 9501-) .....        | 9611-99-2994 | 9611-99-2994 |
|                   | 3    | Stud bolt (Period -9501) .....        | 31457-0051-2 | 31457-0051-2 |
| 10                | 1    | Thrower .....                         | 31460-0375-2 | 31460-0375-1 |
| 11Δ               | 1    | O-ring, EPDM (Standard) ....          | 31438-0366-1 | 31438-0366-1 |
|                   | 1    | O-ring, NBR .....                     | 31438-0366-2 | 31438-0366-2 |
|                   | 1    | O-ring, FPM .....                     | 31438-0366-3 | 31438-0366-3 |
| 18                | 1-2  | Shims, 0.1 mm .....                   | 31460-0012-4 | 31460-0012-5 |
|                   | 4-5  | Shims, 0.5 mm .....                   | 31460-0011-4 | 31460-0011-5 |
| 19                | 1    | Impeller .....                        | 31438-0344-1 | 31438-0344-2 |
| 20                | 1    | Washer for impeller screw ...         | 9611-99-1746 | 9611-99-1746 |
| 21                | 1    | Impeller screw .....                  | 31438-0345-1 | 31438-0345-1 |
| 22Δ               | 1    | O-ring, EPDM (Standard) ....          | 31438-0367-1 | 31438-0367-1 |
|                   | 1    | O-ring, NBR .....                     | 31438-0367-2 | 31438-0367-2 |
|                   | 1    | O-ring, FPM .....                     | 31438-0367-3 | 31438-0367-3 |
| 23                | 1    | Cover, 76.2 mm in-/outlet ....        | 31438-0342-1 | 31438-0342-1 |
|                   |      | + fitting, ISO male                   |              |              |
|                   |      | SMS .....                             | 31438-0342-2 | 31438-0342-2 |
|                   |      | DIN .....                             | 31438-0342-3 | 31438-0342-3 |
|                   |      | ISO clamp .....                       | 31438-0342-4 | 31438-0342-4 |
|                   |      | BS .....                              | 31438-0342-5 | 31438-0342-5 |
| 24                | 3    | Washer (Period 9501-) .....           | 9611-99-0706 | 9611-99-0706 |
| 25                | 3    | Cap nut (Period 9501-) .....          | 221851-15    | 221851-15    |
| 25a               | 1    | Handle (Period -9501) (Long) .        | 31438-0343-1 | 31438-0343-1 |
|                   | 2    | Handle (Period -9501) .....           | 31438-0343-2 | 31438-0343-2 |
| 26                | 4    | Screw (Period 9409-) .....            | 9611-99-1834 | 9611-99-1834 |
| 27                | 4    | Washer (Period 9409-) .....           | 9611-99-0706 | 9611-99-0706 |
| 28a               | 2    | Support bar, right(Period 9409-)..... | 9612-1322-03 | 9612-1322-04 |
| 28b               | 2    | Support bar, left(Period 9409-).....  | 9612-1323-03 | 9612-1323-04 |
| 29                | 4    | Screw (Period 9711-) .....            | 9611-99-0273 | 9611-99-0273 |
|                   | 4    | Screw (Period 9409-9711) ...          | 9611-99-1907 | 9611-99-1907 |
| 30                | 4    | Adjustable leg (Period 9409-) .       | 9612-3967-01 | 9612-3967-01 |
| 31                | 4    | Spring washer (Period 9409-) .        | 9611-99-0676 | 9611-99-0676 |
| 32                | 4    | Nut .....                             | 9611-99-0587 | 9611-99-0587 |
| <b>Older legs</b> |      |                                       |              |              |
| 35                | 3    | Screw (Period -9409) .....            | 9611-99-0586 | 9611-99-0586 |
| 36                | 2    | Screw (Period -9409) .....            | 9611-99-1834 | 9611-99-1834 |
| 37                | 4    | Washer (Period -9409) .....           | 9611-99-0706 | 9611-99-0706 |
| 38                | 8    | Spring washer (Period -9409).....     | 9611-99-0676 | 9611-99-0676 |
| 39                | 8    | Nut (Period -9409) .....              | 9611-99-1829 | 9611-99-1829 |
| 40                | 3    | Disk (Period -9409) .....             | 31460-0110-1 | 31460-0110-1 |
| 41                | 3    | Sleeve nut (Period -9409) ....        | 31460-0109-1 | 31460-0109-1 |
| 42                | 2    | Back leg (Period -9409) .....         | 31460-0106-5 | 31460-0106-5 |
| 43                | 1    | Front leg (Period -9409) .....        | 31460-0106-1 | 31460-0106-1 |
| 44                | 2    | Bracket, front (Period -9409) .       | 31438-0346-1 | 31438-0346-1 |
| 45                | 2    | Bracket, back (Period -9409) .        | 31460-0019-1 | 31460-0019-1 |
| 46                | 4    | Vibration damper(Period -9409).....   | 9611-99-1743 | 9611-99-1743 |
| 47                | 4    | Washer (Period -9409) .....           | 9611-99-1831 | 9611-99-1831 |
| 48                | 4    | Screw (Period -9409) .....            | 9611-99-1824 | 9611-99-1824 |

| Pos. | Qty. | Denomination                              | 15 - 18.5 kW        |
|------|------|---|---------------------|
| Δ    |      | Shaft seal complete EPDM (Standard) ..... | 31438-0300-1        |
| 12   | 1    | O-ring EPDM .....                         | 9611-99-2175        |
| 13   | 1    | Stationary seal ring .....                | 31438-0351-1        |
| 14   | 1    | Rotating seal ring .....                  | 31438-0350-1        |
| 15   | 1    | O-ring EPDM .....                         | 9611-99-2292        |
| 16   | 1    | Washer .....                              | 31438-0349-1        |
| 17   | 1    | Spring .....                              | 31438-0348-1        |
| Δ    |      | Shaft seal complete NBR .....             | 31438-0300-2        |
| 12   | 1    | O-ring NBR .....                          | 9611-99-2176        |
| 13   | 1    | Stationary seal ring .....                | 31438-0351-1        |
| 14   | 1    | Rotating seal ring .....                  | 31438-0350-1        |
| 15   | 1    | O-ring NBR .....                          | 42155               |
| 16   | 1    | Washer .....                              | 31438-0349-1        |
| 17   | 1    | Spring .....                              | 31438-0348-1        |
| Δ    |      | Shaft seal complete FPM .....             | 31438-0300-3        |
| 12   | 1    | O-ring FPM .....                          | 260168-20           |
| 13   | 1    | Stationary seal ring .....                | 31438-0351-1        |
| 14   | 1    | Rotating seal ring .....                  | 31438-0350-1        |
| 15   | 1    | O-ring FPM .....                          | 9611-99-2293        |
| 16   | 1    | Washer .....                              | 31438-0349-1        |
| 17   | 1    | Spring .....                              | 31438-0348-1        |
| Δ    |      | <b>Service kit, EPDM. ....</b>            | <b>9611-92-1084</b> |
| Δ    |      | <b>Service kit, NBR. ....</b>             | <b>9611-92-1085</b> |
| Δ    |      | <b>Service kit, FPM. ....</b>             | <b>9611-92-1086</b> |

Parts marked with Δ are included in the **Service kits**.

**Alternatives**

|  |   |                            |              |
|--|---|----------------------------|--------------|
| Casing cover with noise-reducing valve (pos. 33) |   |                            |              |
| 33   | 1 | Noise-reducing valve ..... | 9612-3641-02 |
| complete with welding male part                  |   |                            |              |
| 34   |   | ISO male .....             | 9612-4039-01 |
|  |   | SMS .....                  | 9612-4039-02 |
|  |   | DIN .....                  | 9612-4039-03 |
|  |   | ISO clamp .....            | 9612-4039-04 |
|  |   | BS .....                   | 9612-4039-05 |

**Accessories** (Delivered with the pump)

|   |                               |              |
|---|-------------------------------|--------------|
| 1 | Key for hexagonal socket .... | 66884        |
| 1 | Impeller tool .....           | 31460-0050-1 |
| 1 | Shaft seal tool .....         | 31460-0416-1 |