

MAKING MODERN LIVING POSSIBLE

**LENNTECH**

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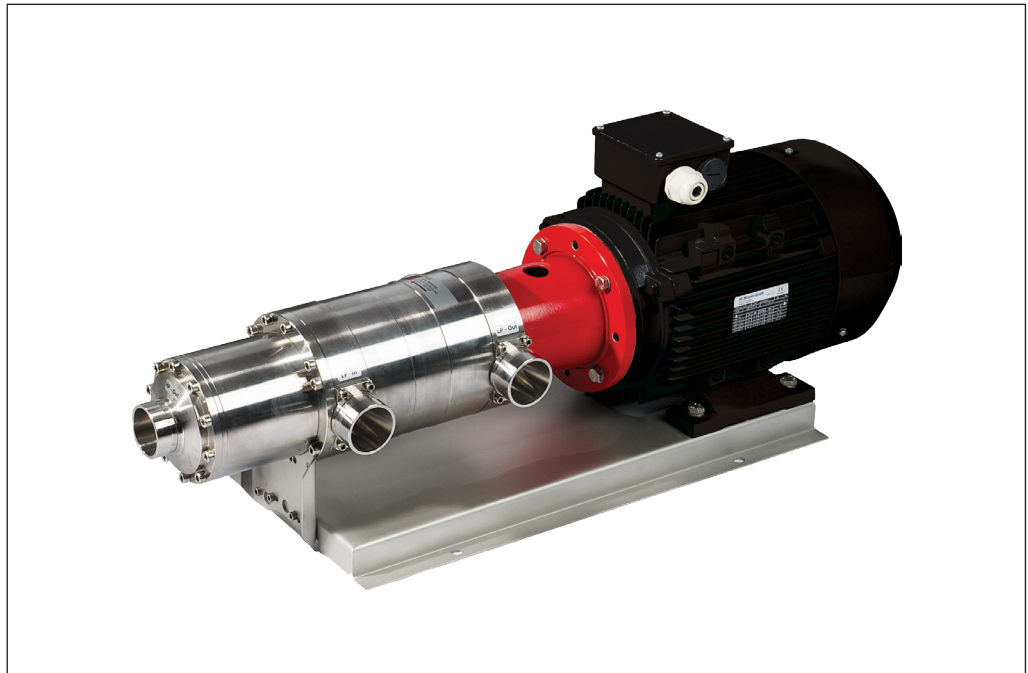
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**Danfoss**

Parts list

iSave 21



**iSave 21**

This part list provides an overview of the content of various service sets for the isave21 as well as exploded views of the iSave, pressure exchanger and booster pump.

## Parts list

## iSave 21 Parts list

### Pressure exchanger

**Note: The parts listed are not sold separately, only in various kits**

Exploded view, page 6

| Pos. | Qnt. | Designation                        | Material             | 180F4101<br>Valve<br>plate | 180F4102<br>Port plate,<br>brine | 180F4103<br>Port plate,<br>sea water | 180F4104<br>HP<br>bearing | 180F4105<br>Sealing<br>kit |
|------|------|------------------------------------|----------------------|----------------------------|----------------------------------|--------------------------------------|---------------------------|----------------------------|
| 1    | 1    | Casing                             | Duplex               |                            |                                  |                                      |                           |                            |
| 2    | 1    | Port flange,<br>brine side         | Super Duplex         |                            |                                  |                                      |                           |                            |
| 3    | 1    | Port flange,<br>seawater side      | Super Duplex         |                            |                                  |                                      |                           |                            |
| 4    | 1    | Port plate,<br>sea water           | Super Duplex<br>PEEK |                            |                                  | X                                    |                           |                            |
| 5    | 1    | Port plate,<br>brine               | Super Duplex<br>PEEK |                            | X                                |                                      |                           |                            |
| 6    | 2    | Valve plate                        | Super Duplex         | X                          |                                  |                                      |                           |                            |
| 7    | 1    | Cylinder drum                      | Super Duplex         |                            |                                  |                                      |                           |                            |
| 8    | 1    | Shaft                              | Super Duplex         |                            |                                  |                                      |                           |                            |
| 9    | 2    | Retrainer                          | Super Duplex         |                            |                                  |                                      |                           |                            |
| 10   | 3    | Port<br>connection<br>2" victaulic | Super Duplex         |                            |                                  |                                      |                           |                            |
| 11   | 1    | Flange for<br>shaft seal           | Super Duplex         |                            |                                  |                                      |                           |                            |
| 12   | 1    | High pressure<br>bearing           | Super Duplex<br>PEEK |                            |                                  |                                      | X                         |                            |
| 13   | 4    | Pluck                              | Super Duplex         |                            |                                  |                                      |                           |                            |
| 14   | 2    | Pin Ø6 x 10                        | PEEK                 |                            | X                                | X                                    |                           | X                          |
| 15   | 2    | Pin Ø6 x 10                        | AISI 303             |                            |                                  |                                      |                           | X                          |
| 16   | 8    | Bolt M8 x 45<br>CS, A4-80          | AISI 316             |                            |                                  |                                      |                           | X                          |
| 17   | 16   | Bolt M6 x 16<br>CS, A4-80          | AISI 316             |                            |                                  |                                      |                           | X                          |
| 18   | 1    | Mechanical<br>shaft seal           | AISI 316             |                            |                                  |                                      |                           | X                          |
| 19   | 3    | Spring                             | Duplex               |                            |                                  |                                      |                           |                            |
| 20   | 2    | O-ring<br>Ø135 x 3                 | NBR70                |                            |                                  |                                      |                           | X                          |
| 21   | 3    | O-ring<br>Ø50 x 2                  | NBR70                |                            |                                  |                                      |                           | X                          |
| 22   | 1    | O-ring<br>40 x 2                   | NBR70                |                            |                                  |                                      |                           | X                          |
| 23   | 24   | O-ring<br>18 x 2,0                 | NBR70                |                            |                                  |                                      |                           | X                          |
| 24   | 4    | O-ring<br>11 x 2,0                 | NBR70                |                            |                                  |                                      |                           | X                          |
| 25   | 1    | Bearing                            | PEEK                 |                            |                                  |                                      |                           |                            |
| 26   | 2    | Bolt M8 x 45,0<br>CS A4-80         | AISI 316             |                            |                                  |                                      |                           | X                          |
| 27   | 1    | O-ring 15x3                        | NBR70                |                            |                                  |                                      |                           | X                          |
| 28   | 24   | Backup ring                        | PTFE                 |                            |                                  |                                      |                           | X                          |

## Parts list

## iSave 21 Parts list

### Booster Pump (vane pump), parts list

**Note: The parts listed are not sold separately, only in various kits**

Exploded view, page 5

| Pos. | Qnt. | Designation                   | Material     | 180F4105<br>Sealing kit | 180F4107<br>Vane kit | 180F4108<br>Side plate |
|------|------|-------------------------------|--------------|-------------------------|----------------------|------------------------|
| 1    | 1    | Casing                        | Super Duplex |                         |                      |                        |
| 2    | 1    | Inlet flange                  | Super Duplex |                         |                      |                        |
| 3    | 1    | Outlet flange                 | Duplex       |                         |                      |                        |
| 4    | 1    | Outlet flange                 | Super Duplex |                         |                      |                        |
| 5    | 1    | Sideplate out                 | PEEK         |                         |                      | X                      |
| 6    | 1    | Rotor                         | Super Duplex |                         |                      |                        |
| 7    | 8    | Vane                          | PEEK         |                         | X                    |                        |
| 8    | 4    | Pin $\varnothing 7 \times 55$ | PEEK         |                         |                      |                        |
| 9    | 1    | Side plate in                 | PEEK         |                         |                      | X                      |
| 10   | 2    | Pin $\varnothing 6 \times 10$ | AISI 303     | X                       |                      | X                      |
| 11   | 2    | Pin $\varnothing 4 \times 9$  | PEEK         | X                       |                      |                        |
| 12   | 10   | Bolt M8 x 16<br>CS A4-80      | AISI 316     | X                       |                      |                        |
| 13   | 10   | Bolt M8 x 25<br>CS A4-80      | AISI 316     | X                       |                      |                        |
| 14   | 3    | O-ring 112<br>x 2,5           | NBR70        | X                       |                      |                        |

## iSave

Exploded view, page 7

| Pos. | Qnt. | Designation              | Material     | 180F4105<br>Sealing kit | 180F4106<br>Coupling kit |
|------|------|--------------------------|--------------|-------------------------|--------------------------|
| 1    | 1    | Pressure<br>exchanger    |              |                         |                          |
| 2    | 1    | Booster pump             |              |                         |                          |
| 3    | 1    | Driver<br>coupling       | Super Duplex |                         | X                        |
| 4    | 1    | Coupling                 | PEEK         |                         | X                        |
| 5    | 1    | Driven<br>coupling       | Super Duplex |                         | X                        |
| 6    | 1    | Bolt                     | Super Duplex |                         | X                        |
| 7    | 8    | Bolt M8 x 65<br>CS A4-80 | AISI 316     | X                       | X                        |
| 15   | 1    | O-ring 44 x 3            | NBR70        | X                       | X                        |
| 16   | 1    | O-ring 80 x 2            | NBR70        | X                       | X                        |

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**Parts list**

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**iSave 21 Parts list**

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**iSave on base plate**

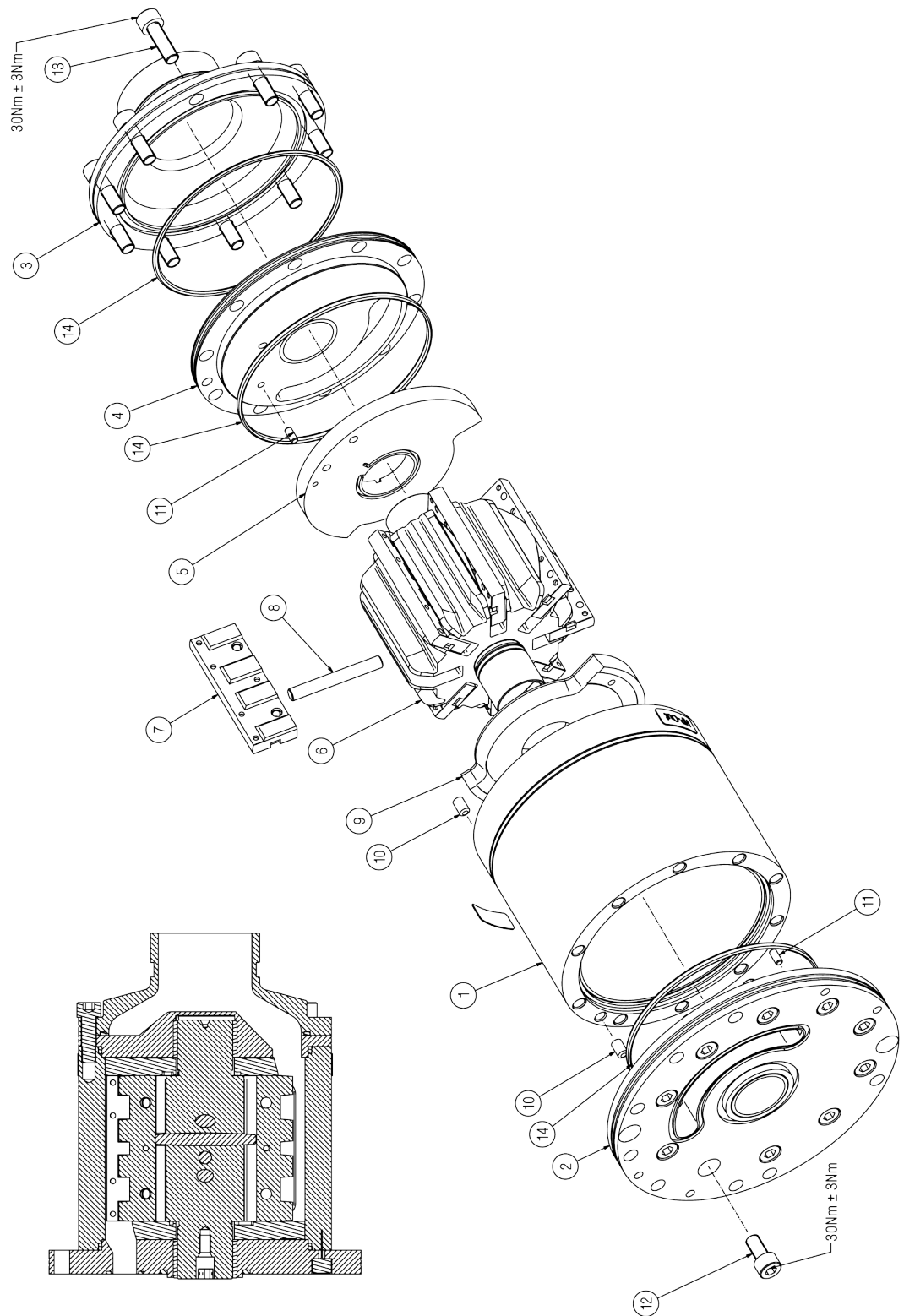
Exploded view, page 9

| Pos. | Qty. | Designation      |
|------|------|------------------|
| 1    | 1    | iSave 21         |
| 2    | 1    | Base plate       |
| 3    | 1    | Bell housing     |
| 4    | 1    | Electric motor   |
| 5    | 1    | Coupling         |
| 6    | 4    | Bolt M10 x 30 A4 |
| 7    | 4    | Washer           |
| 8    | 6    | Bolt M6 x 16 A4  |
| 9    | 1    | Plug             |
| 10   | 8    | Washer           |
| 11   | 4    | Bolt M8 x 20 A4  |
| 12   | 1    | Rubber plate     |
| 13   | 1    | Support          |

Parts list

iSave 21 Parts list

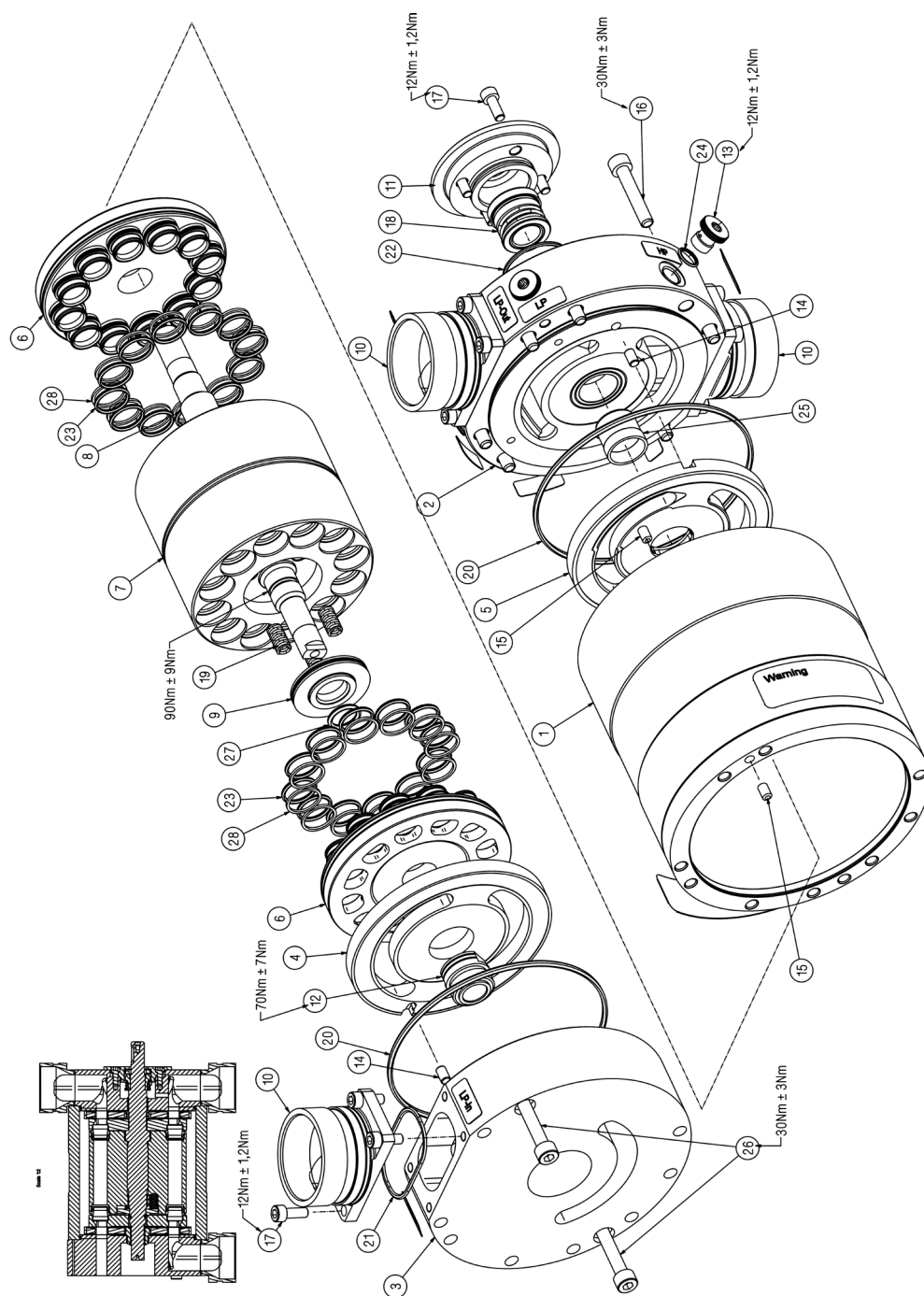
Exploded view  
Vane pump



Parts list

iSave 21 Parts list

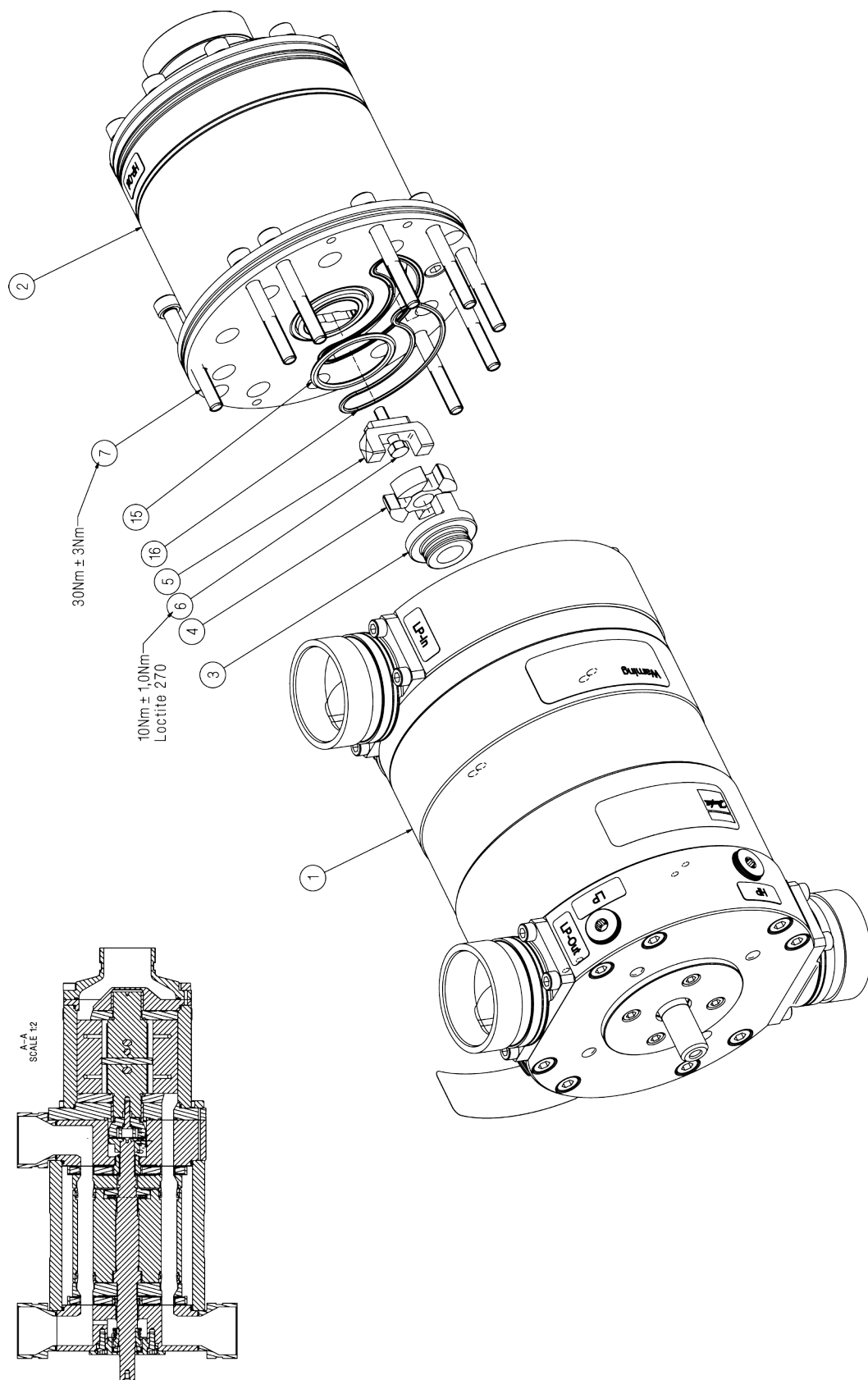
Exploded view  
Pressure Exchanger



Parts list

iSave 21 Parts list

Exploded view  
iSave



### iSave 21 Parts list

Technical drawings of the 1000W motor assembly, showing front, side, and detail views.

**Front View (Top):** Shows the motor housing (1) with cooling fins, terminal box (2), and mounting feet (3). Dimensions include a total width of 170 ± 0.5 mm and a mounting foot height of 45.5 mm. Callouts 4, 5, 6, 7, 8, 9, 10, 11, and 12 indicate specific components and features.

**Side View (Bottom):** Shows the motor housing (1) with cooling fins, terminal box (2), and mounting feet (3). Dimensions include a total width of 170 ± 0.5 mm and a mounting foot height of 45.5 mm. Callouts 4, 5, 6, 7, 8, 9, 10, 11, and 12 indicate specific components and features.

**Detail B (SCALE 2:1):** A cross-sectional view of the motor housing (1) showing the internal cooling fins and mounting feet (3). Dimensions include a total width of 170 ± 0.5 mm and a mounting foot height of 45.5 mm. Callouts 4, 5, 6, 7, 8, 9, 10, 11, and 12 indicate specific components and features.

Ikke tolerancesatte mål efter ISO 2768-1 betegnelse C.  
Dimensions without tolerances acc. To ISO 2768-1 designation C.

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