

EN Installation instructions Designline 417



EN Products

Electric height adjustable washbasin
Washbasin lift - DESIGNLINE 417

1. Mechanical construction
2. Delivery modules
3. Preparations - Joist heights
4. Preparations - Installation of sewerage
5. Preparations - Installation of electric connections
6. Installation on the wall
7. Functional test

1. Mechanical construction

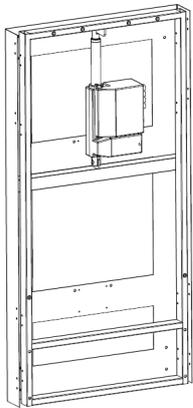
Washbasin lift model 417 is made of materials that doesn't require any maintenance.

A motor is mounted in the frame which makes it possible to adjust the height of the washbasin. A mounting plate with mirror and lighting is following the height adjustment.

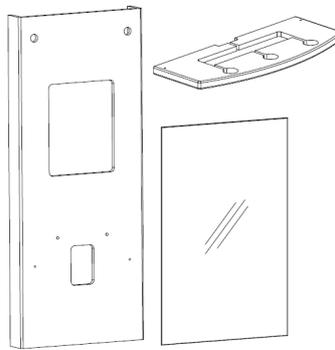
The washbasin lift can be equipped with a safety switch which halts the decent of the basin if it comes into contact with an object or the user's legs.



2. Delivery modules



Lifting mechanism



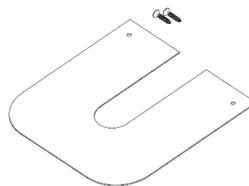
Package containing mounting plate, mirror and lighting.



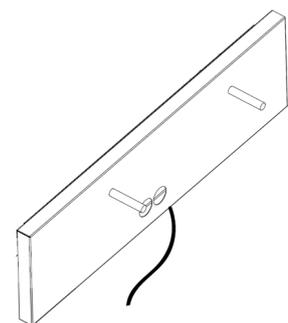
Washbasin and mixer tap



Hose pack (accessories)



Cover plate (in front of hoses)



Safety switch (accessories)

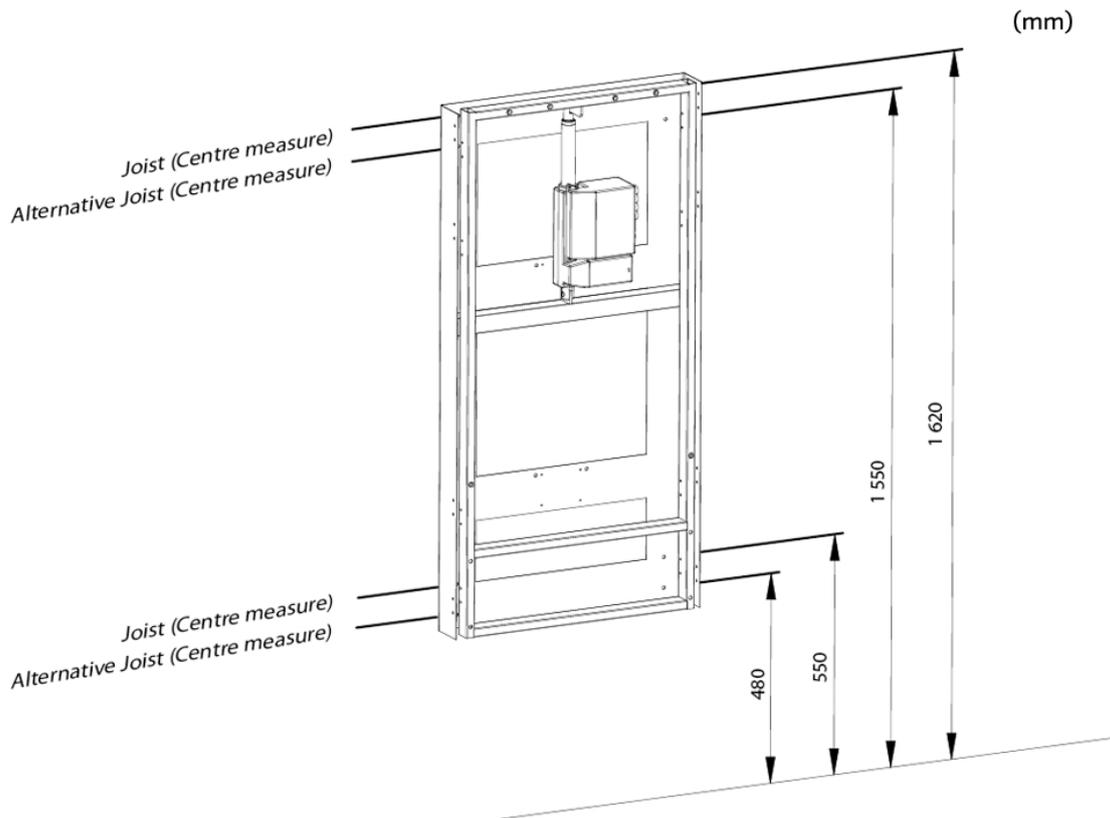
3. Preparations - Joist heights

Laying joists in the wall shall be positioned acc. the following dimensions.

The installation technician is responsible for that sufficient method and dimensions are used for the installation on the wall.

The wall properties, such as porosities, and the type of attachment components will be decisive for the requirements.

Be aware of that the Washbasin lift can have an overall weight of more than 130 kg plus dynamic effects from the motions.



4. Preparations - Installation of sewerage

Professionals must make the connection of the water and sewer pipes to prevent water damages.

It is important that the right materials are used, and that location and fixing is made properly.

- The use of Granberg original installation materials, and the instructions in this manual, ensures correct execution, if a competent fitter carries out the installation work.
- The water connection shall be made to a lockable coupling.
- The connection at the drain hose is 40 mm.

Recommended location of the sewerage:

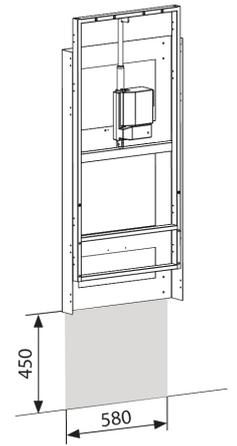
Within the grey zone acc. picture to the right.

Water and sewerage installation in the wall under the lifting mechanism:

Recommended position is about 200 mm over the floor.

(This ensure good outflow and minimal risk of collision with the users feet.)

Notice! There is a limited space for installation (90 mm in depth) .



5. Preparations - Installation of electric connections

An authorized electrician must make the electric installation!

Notice!

Consider the applicable rules for electric installations in bathrooms. Always connect an earth leakage protection device in the motor feed circuit.

Electric connections to the washbasin lift:

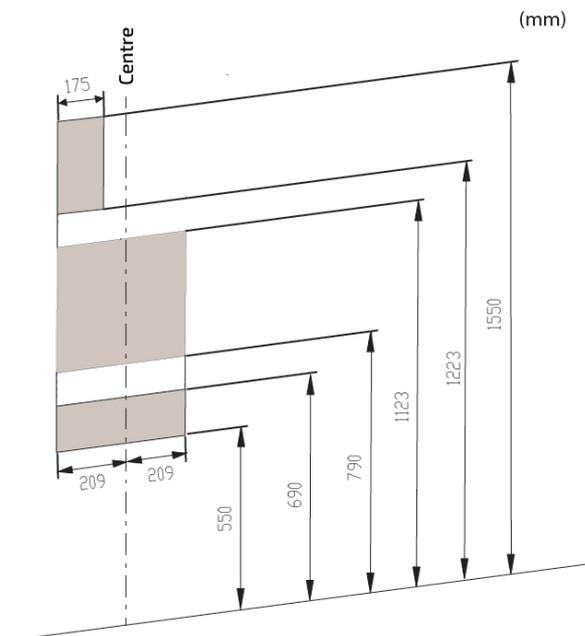
The Washbasin lift must be connected to a separate mains switch, which is placed in the bathroom or its vicinity.

Electric connection to the lighting:

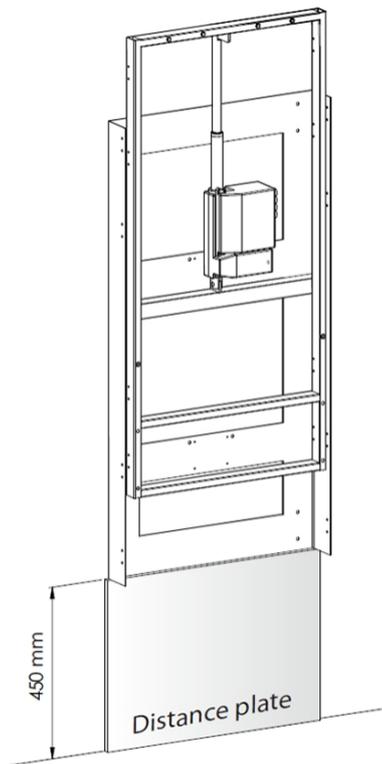
Connect the lighting to a switch near to the Washbasin lift or connect it to the switch that activates the lighting to the room.

Recommended location of the electric connections:

Within the grey zone acc. picture to the right.



6. Installation on the wall



Competent persons must make the installation work!

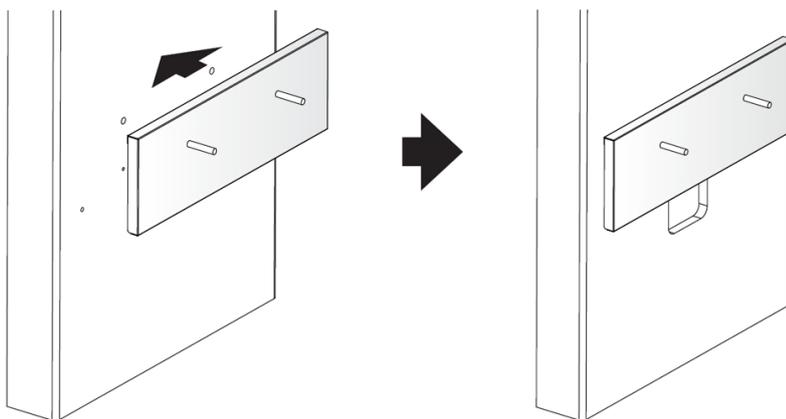
The installation technician is responsible for that sufficient method and dimensions are used for the installation on the wall. The wall properties, such as porosities, and the type of attachment components will be decisive for the requirements. Be aware of that the Washbasin lift can have an overall weight of more than 130 kg plus dynamic effects from the motions.



Notice!

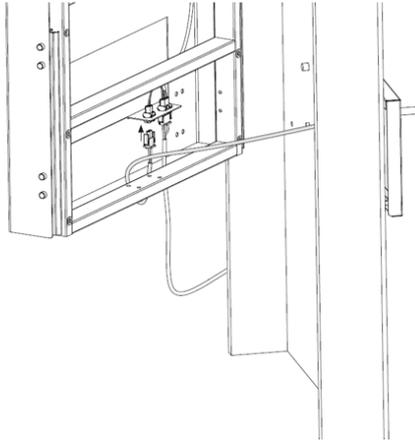
- Check that the wall is flat and vertical.
- There shall be a space of 100 mm between the Washbasin lift and adjacent walls or cabinet sides.
- Check that the wall is strong enough for mounting, e.g. joists in the correct position.

1. Unpack the lifting mechanism and place it at the floor.
2. Connect the electric cable to a power socket and run the lifting mechanism to its top position.
3. Place the distance plate (for correct height position) at the floor close to the wall.
4. Place the lifting mechanism at the distance plate. Check with a spirit level that the lifting mechanism is in correct vertical position. Fasten the mounting screws in the wall.

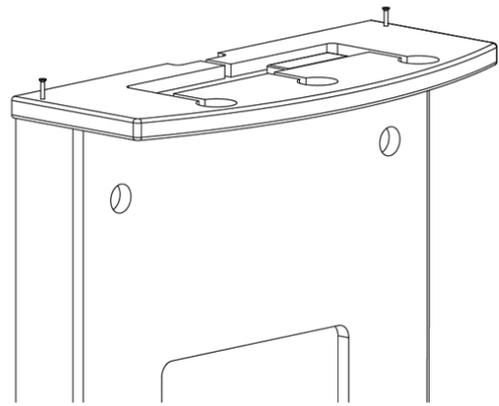


(Accessories)

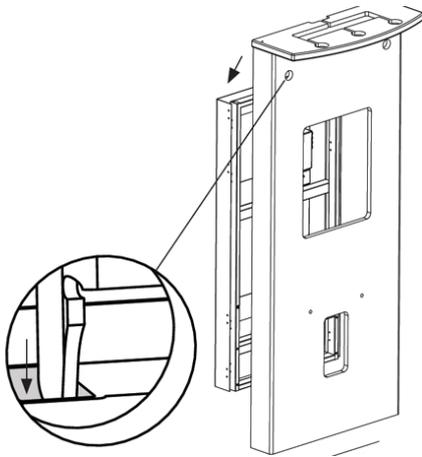
Mount the safety switch at the mounting plate by the use of 4 bolts. Tighten by the use of 2 M12 and 2 M6 screw nuts.



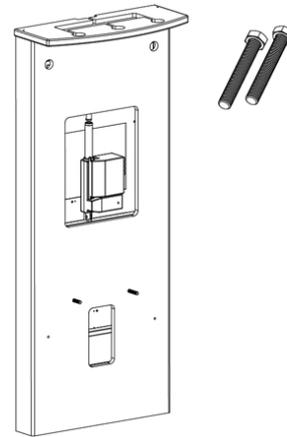
(Accessories)
Connect the cable to the safety switch as shown below.



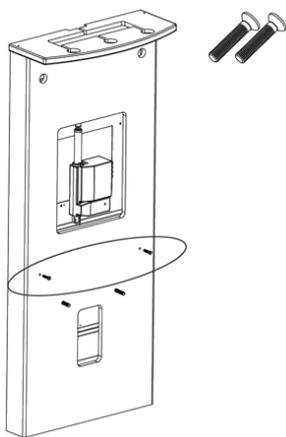
Mount the panel for the lighting at the top of mounting plate by using 2 screws.



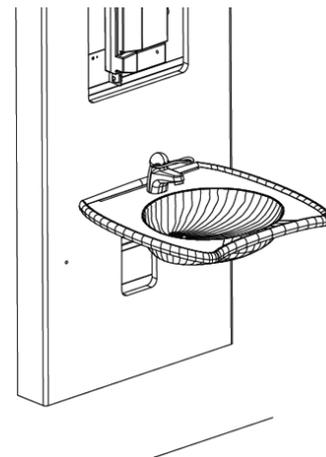
Connect the lighting to a power socket and mount the mounting plate at the lifting mechanism. Hook on the mounting plate in the upper edge of the lifting mechanism. Look in the two holes in the mounting plate to see that the position is correct.



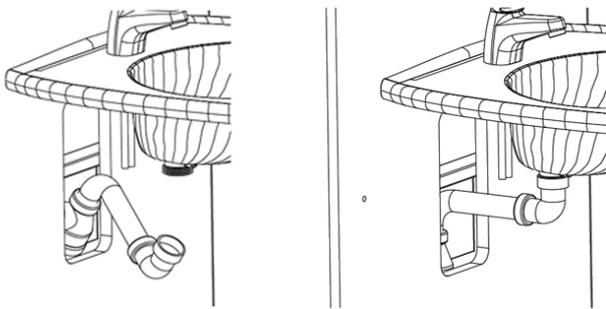
Place bolts for mounting washbasin in the mounting plate.



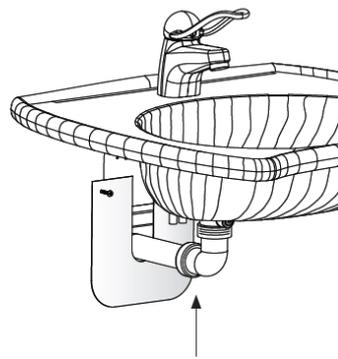
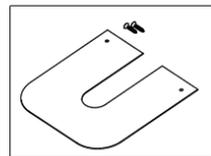
Fix the position of the mounting plate by using 2 screws M6x35.



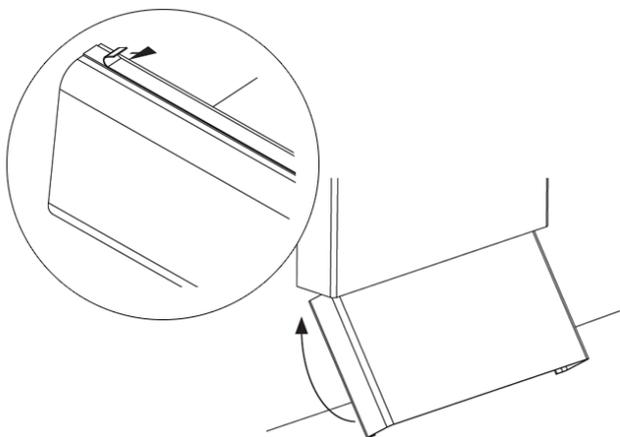
Mount washbasin and mixer tap.



Mount the water trap behind the mounting plate.

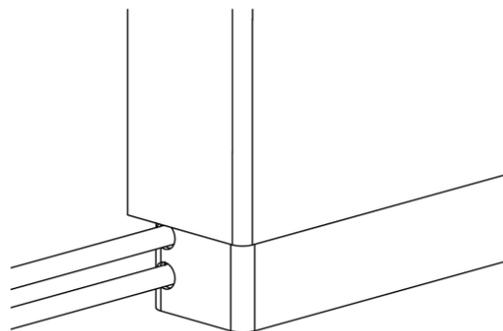


Push the cover plate up to the tube. Mount the cover plate by use of 2 st screws 3,5x16 mm.



Run the washbasin lift to it's upper position. Remove the covers from the Velcro and push the cover plate behind the mounting plate.

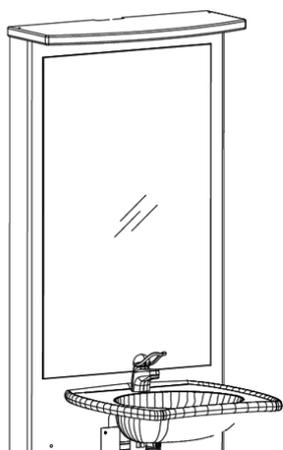
Check so there is enough space between the cover place and the mounting plate.



It is possible to make holes in the hose cover if water tubes are coming from the side

Notice!

The upper edge of the holes must not be place over 70 mm from the floor.



Mount the mirror in the desired height position by the use of enclosed mirror fittings.

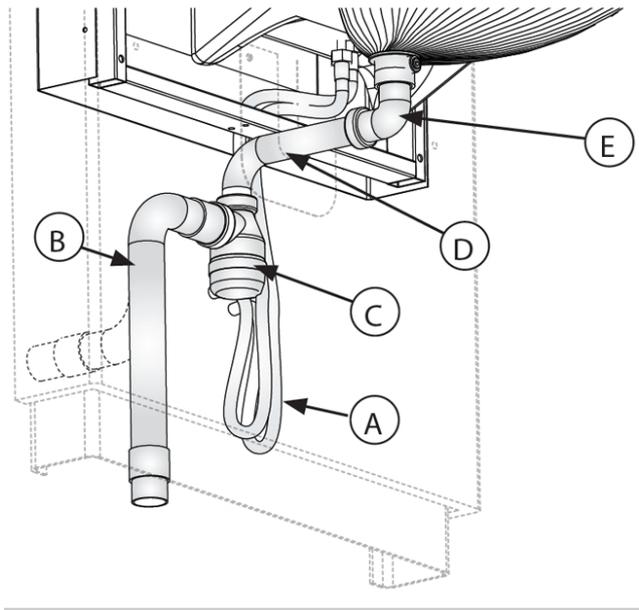
Connect the flexible water hoses between mixer tap and lockable connections.

Check that the hoses is installed as the picture is showing.

Make a test drive of the washbasin lift to check that the hoses are running free without getting caught. Make the test drive all the way, from the bottom to the top. Flush water in the washbasin and check that there are no leakage.

Description:

- A - Flexible water hoses
- B - Flexible drain hose
- C - Water trap
- D - Drain pipe
- E - 90 degrees connection



7. Functional test

- Run the washbasin lift down and up all the way to respectively end position. Check that it moves freely, without hindrance and jarring sounds.
- Check that no cables or hoses are jammed and that the water and sewer hoses are properly fixed to the wall.
- Run the washbasin lift to the end position and make sure the hoses are long enough above the fixing point.
- Make sure the wall installation, washbasin installation and mirror installation are intact. If the frame is inclined due to wall installation, adjustments must be made.
- Check the function of safety switch:
Run down the lift while lifting the front edge of the wash basin. Make sure that the lowering is stopped.