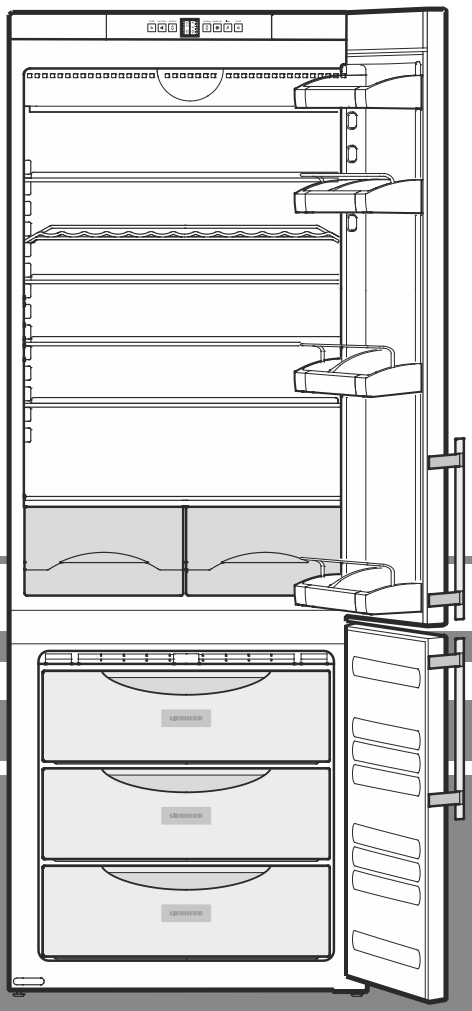
Operating instructions

NoFrost combined refrigerator-freezer



7083 271-00

CN 5113

LIEBHERR

Disposal notes



The appliance contains reusable materials and should be disposed of properly - not simply with unsorted household refuse. Appliances which are no longer needed must be disposed of in a professional and appropriate way, in accordance with the current local regulations and laws.

When disposing of the appliance, ensure that the refrigerant circuit is not damaged to prevent uncontrolled escape of the refrigerant it contains (data on type plate) and oil.

- Disable the appliance.
- Pull out the mains plug.
- Cut through the connection cable.

⚠ WARNING
Danger of suffocation due to packing material and plastic film! Do not allow children to play with packaging material. Take the packaging material to an official collection point.

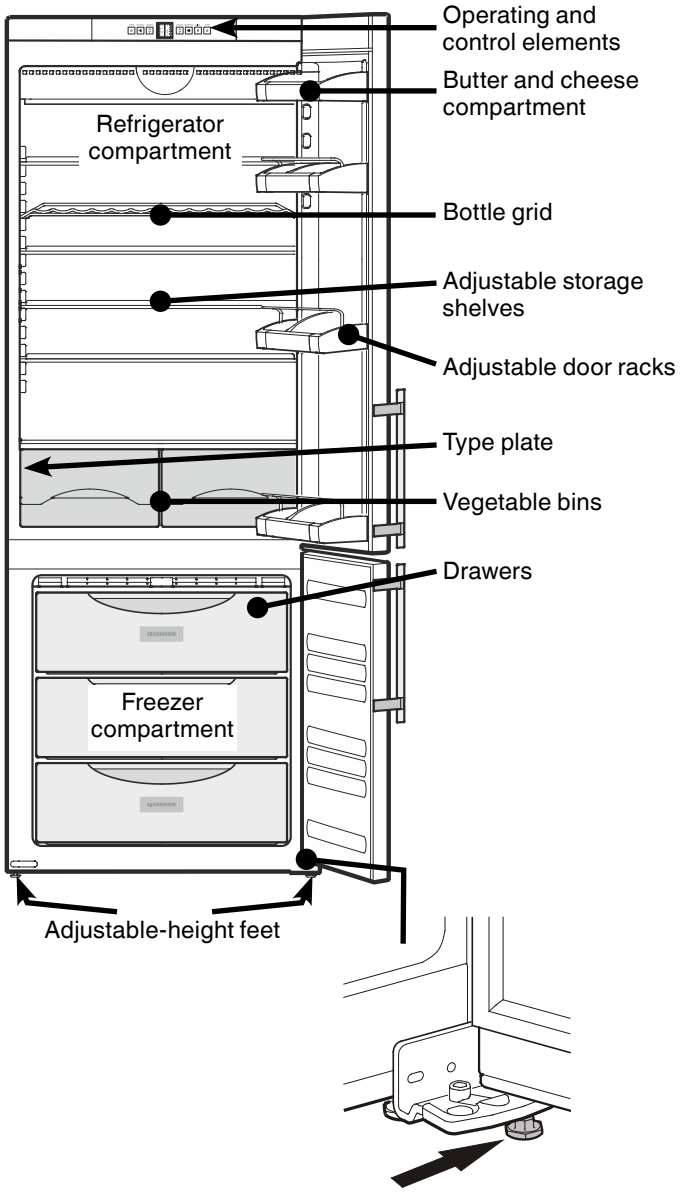
Range of appliance use

The appliance is suitable solely for cooling food in a domestic environment or similar. This includes, for example, use

- in staff kitchenettes, bed and breakfast establishments,
- by guests in cottages, hotels, motels and other forms of accommodation,
- in catering and similar services in the wholesale trade.

Use the appliance solely as is customary within a domestic environment. All other types of use are inadmissible. The appliance is not suitable for storing and cooling medicines, blood plasma, laboratory preparations or similar substances and products covered by the 2007/47/EC Medical Devices Directive. Any misuse of the appliance may result in damage to or spoilage of stored goods. Furthermore, the appliance is not suitable for operation in potentially explosive atmospheres.

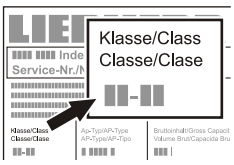
Description of the appliance



Extend the adjustable foot at the hinge until it rests on the floor and then make a further 90° turn.

Climate rating

The climate rating indicates the room temperature at which the appliance may be operated in order to achieve full refrigeration performance.



The climate rating is indicated on the type plate.

The position of the type plate is shown in the section entitled **Description of the appliance**.

Climate rating	Room temperature
SN	+10°C to +32°C
N	+16°C to +32°C
ST	+16°C to +38°C
T	+16°C to +43°C
SN-ST	+10°C to +38°C
SN-T	+10°C to +43°C

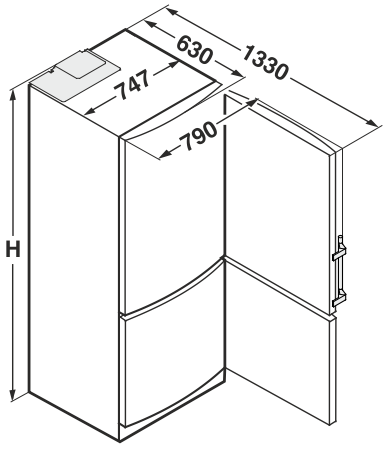
Do not operate the appliance outside the specified room temperature range.

Safety instructions and warnings

- To prevent injury or damage to the unit, the appliance should be unpacked and set up by two people.
- In the event that the appliance is damaged on delivery, contact the supplier immediately before connecting to the mains.
- To guarantee safe operation, ensure that the appliance is set up and connected as described in these operating instructions.
- Disconnect the appliance from the mains if any fault occurs. Pull out the plug, switch off or remove the fuse.
- When disconnecting the appliance, pull on the plug, not on the cable.
- Any repairs and work on the appliance should only be carried out by the customer service department, as unauthorised work could prove highly dangerous for the user. The same applies to changing the mains power cable.
- Do not allow naked flames or ignition sources to enter the appliance. When transporting and cleaning the appliance ensure that the refrigerant circuit is not damaged. In the event of damage, make sure that there are no ignition sources nearby and keep the room well ventilated.
- Do not stand on the plinth, drawers or doors or use them to support anything else.
- This appliance can be used by children of 8 years old and over, and also by persons with restricted physical, sensory or mental capacity or lack of experience and knowledge, if they are supervised or have been instructed on safe use of the appliance and understand the resulting risks. Children must not be allowed to play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.
- Avoid prolonged skin contact with cold surfaces or chilled/frozen food. This could cause pain, numbness and frostbite. In the case of prolonged skin contact, protective measures should be taken, e.g. gloves should be worn.
- Do not eat ice cream, particulary ice lollies or ice cubes, immediately after taking them from the freezer compartment as there is a risk of "burning" because of the very cold temperatures.
- Do not consume food which has been stored for too long, as it could cause food poisoning.
- Do not store explosives or sprays using combustible propellants such as butane, propane, pentane etc. in the appliance. Electrical components might cause leaking gas to ignite. You may identify such sprays by the printed contents or a flame symbol.
- Do not use electrical appliances inside the appliance.
- The appliance is designed for use in enclosed areas. Do not operate the appliance outdoors or in areas where it is exposed to splash water or damp conditions.
- The LED light strips illuminate the interior of the appliance. They are not suitable for lighting a room.

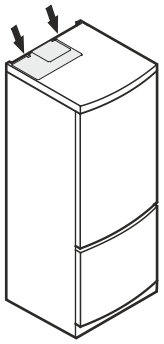
Dimensions (mm)

H = 1851 mm > CN 46
H = 2020 mm > CN 51



Setting up

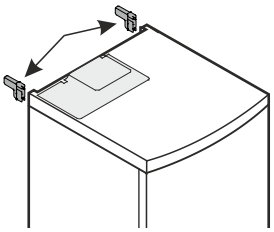
- Do not place the appliance in areas of direct sunlight or next to a cooker, radiator or similar object.
- The floor on which the appliance stands should be horizontal and level. To compensate for any unevenness, adjust the height of the feet with the open-ended spanner supplied.
- Do not cover ventilation openings or grille. →



- Do not place heat-emitting appliances, e.g. microwave oven, toaster, etc., on top of the appliance.
- Standard EN 378 specifies that the room in which you install your appliance must have a volume of 1 m^3 per 8 g of R 600a refrigerant used in the appliance, so as to avoid the formation of inflammable gas/air mixtures in the room where the appliance is located in the event of a leak in the refrigerant circuit. The quantity of refrigerant used in your appliance is indicated on the type plate on the inside of the appliance.

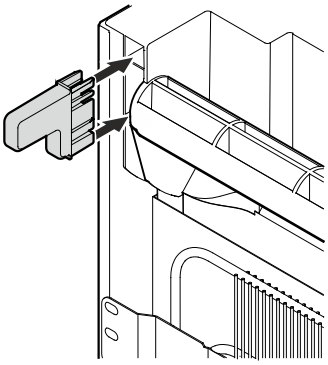
Note CNPesf 4613

- To ensure that the stated energy consumption is achieved, the wall spacers supplied with the appliance must be used. This increases the depth of the appliance by approx. 35 mm.



The appliance is fully operational even if the spacers are not used. It does, however, have a slightly higher energy consumption.

Fit the spacers to the back of the appliance on the left and right at the top.



Electrical connection

Only operate the appliance with **alternating current (AC)**.

The permissible voltage and frequency are indicated on the type plate. The position of the type plate is shown in the section entitled **Description of the appliance**.

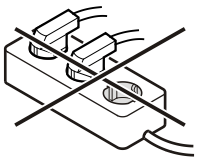
The socket must be properly earthed and protected by a fuse.

The tripping current of the fuse must be between 10 A and 16 A.

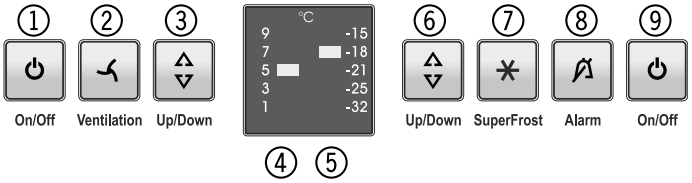
The socket must not be situated behind the appliance and must be easily accessible.

Do not connect the appliance using an extension cable or extension socket.

Do not use stand-alone inverters (conversion of direct current to alternating current/three-phase current) or energy-saving plugs. Risk of damage to the electronic control system!



Operating and control elements



Refrigerator
① On/Off button
② Fan button
③ Temperature setting button
④ Temperature display

Freezer
⑤ Temperature display
⑥ Temperature setting button
⑦ SuperFrost button
⑧ Audible warning on/off button
⑨ On/Off button

Switching the appliance on and off

Clean the interior of the appliance before switching it on for the first time (see section on "**Cleaning**").

To switch on
Press the On/Off button ① or ⑨ so that the temperature displays light up.

To switch the refrigerator compartment off
Press the On/Off button ① for approx. two seconds.

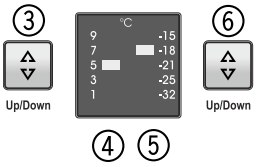
Note: If the freezer compartment (On/Off button ⑨) is switched off, the entire appliance will be switched off.

Setting the temperature

The temperature of the refrigerator and freezer compartment can be set separately.

Setting the refrigerator temperature

Press the Up/Down button ③, the LED in the temperature display ④ for the next lower temperature value will light up. Keep pressing the Up/Down button ③ until the desired value is displayed.



Setting the freezer temperature

Press the Up/Down button ⑥ until the desired value is displayed in the temperature display ⑤.

Note
After a certain period of operation, the interior temperature will adjust to the value which has been set.

Audible warning on/off button

The appliance is equipped with an alarm function.

Audible door alarm

If an appliance door is left open for more than 60 seconds, the audible warning signal will sound. Press the audible warning on/off button to cancel the alarm. The alarm switches back to standby when the door is shut.



Audible/visual temperature alarm

If the temperature in the freezer compartment rises too high, the audible warning signal will sound and the LED in the audible warning on/off button will flash.

Press the audible warning on/off button to cancel the alarm. The LED will stop flashing and will light continuously. The LED will go out as soon as the temperature in the freezer compartment is low enough.

This can be caused by:

- the freezer door being left open for a long time, allowing warm ambient air to enter;
- a long power failure;
- a fault in the appliance.

In each case, make sure food has not thawed or perished. If the visual warning LED does not go out, contact the customer service department (see section on "**Malfunctions**").

Saving energy

- Always ensure good ventilation. Do not cover ventilation openings or grille.
- Always keep fan slits clear.
- Avoid positioning the appliance in direct sunlight or near cookers, radiators and similar sources of heat.
- The energy consumption depends on the installation conditions, e.g. the ambient temperature.
- Keep the time the appliance is open to a minimum.
- Store food logically.
- Keep all food properly packed and covered so as to avoid its frosting up on the outside.
- Always allow hot food to cool to room temperature before placing in the appliance.
- Defrost frozen food in the refrigerator.
- If there is a thick layer of frost in the appliance: defrost the appliance.
- Empty and switch off the refrigerator for longer vacation periods.

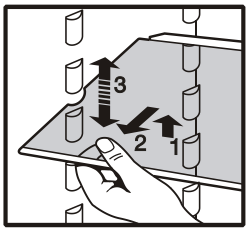
Accumulated dust increases the energy consumption:

- Once a year, dust the refrigeration unit together with the metal grid of the heat exchanger at the back of the appliance.

Equipment

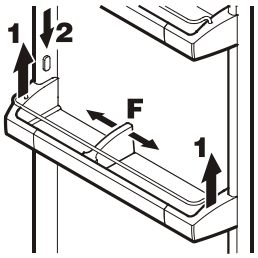
You can re-arrange the **storage shelves** as required.

Lift the glass shelf, align the recess over the support and replace the shelf in a higher or lower position.



Repositioning the door racks

- Lift door rack vertically (**1**), lift out to the front and re-insert at a different height, following these steps in the reverse order (**2**).
- By shifting the **bottle holder F** you can protect the bottles from falling over when opening or closing the door.



Using the sectioned shelf

(except model CNPesf 4613)

Place the shelf rails provided, fig. **1**, on the supports on the left and right at the desired height.

Insert the glass shelves ① and ② as shown in fig. **2**. The glass shelf ② with the raised edge must go at the back.

If you need to make space for tall containers, simply slide the **front half** of the sectioned glass shelf carefully underneath the back half, fig. **2**.

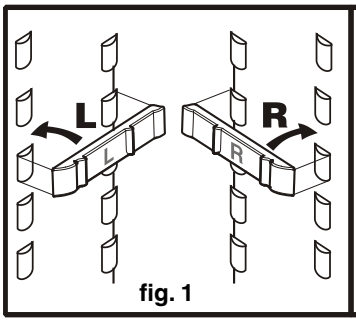


fig. 1

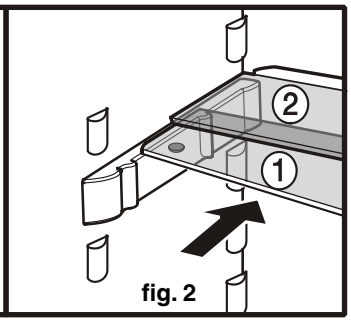
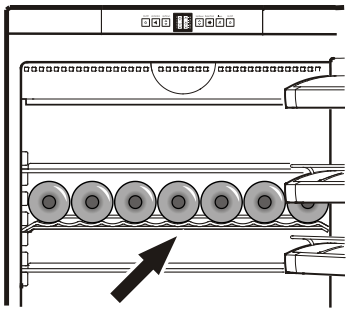


fig. 2

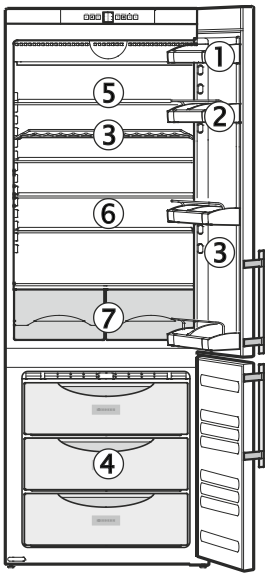
Bottle grid

The bottle grid serves as an additional storage surface for cooling drinks.



Cooling

Storage example



① butter, cheese
② eggs, cans, tubes
③ bottles
④ frozen food, ice cubes
⑤ meat, sausage products, dairy products
⑥ baked goods, pre-cooked meals, drinks
⑦ fruit, vegetables, salad

Note

- Food which gives off or absorbs odours and flavours as well as liquids should always be stored covered or in closed containers. High- percentage alcohols should be tightly sealed and stored upright.
- Reuseable plastic, metal, aluminium and glass containers can be used for packaging.

Cooling with fan

With the fan function switched on, a uniform temperature distribution will be attained in the refrigerator compartment.

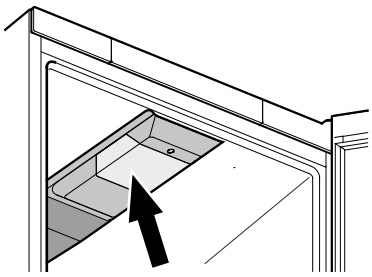
This is recommended:
- in high room temperatures (approx. 33°C or higher),
- if the air humidity is high (e. g. during the summer).



To switch on
Press the fan button ② - the LED in the button will come on.

Interior light (Refrigerator compartment)

The interior light will always switch on when the appliance door is opened.



The light intensity of the LED light corresponds to laser class 1/1M.

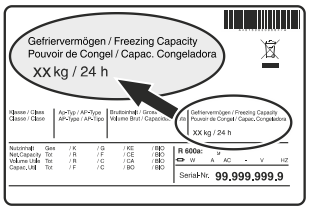
⚠ **Important**

The light cover may only be removed by customer service staff. If the cover is removed, do not look directly at the light through optical lenses from close distance. This can damage your eyes.

Freezing

The maximum amount of food (in kg) which can be frozen in 24 hours is shown on the type plate ("**Freezing capacity**").

The position of the type plate is shown in the section entitled **Description of the appliance**.



SuperFrost

By activating the SuperFrost function the temperature in the freezer compartment will drop to the lowest attainable value. Thus food can be rapidly frozen to the core and the quality is preserved.

- Press the SuperFrost button ⑦ - the LED in the button will come on.
- Wait 24 hours.
- Place the fresh food in the freezer.



- The automatic SuperFrost system automatically switches the fast freezing procedure off after 65 hours.

You should not switch on the SuperFrost function:
- when placing frozen food in the freezer;
- when freezing up to approx. 2 kg fresh food daily.

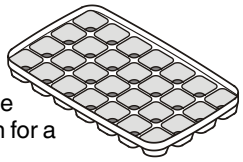
Notes on freezing

- Pack food which you are freezing yourself in quantities appropriate to your household. To ensure that the food freezes right through, the following quantities should not be exceeded per package: fruit, vegetables: up to 1 kg, meat: up to 2.5 kg.
- Do not allow fresh food which is to be frozen to come into contact with food already frozen. Always keep packs dry in order to avoid them sticking together.
- Always write the date and contents on the pack and do not exeed the stated storage time for the food.
- Do not freeze bottles and cans which contain carbonated drinks as they might burst.
- Only take out as much food as is immediately required for thawing. Use food which has been thawed in prepared meals as quickly as possible.

Frozen food can be thawed in the following ways: in a fan oven, in a microwave oven, at room temperature, in the refrigerator.

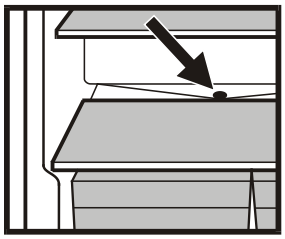
Making ice cubes

- Fill the ice-cube tray with water.
- Place the ice-cube tray in the appliance and leave it to freeze.
- The ice cubes can be removed from the tray by twisting or by holding upside down for a short time under running water.



Defrosting

Refrigerator compartment



The refrigerator compartment defrosts automatically. The water that forms on the rear wall drains into a reservoir at the back of the appliance and evaporates automatically through the compressor heat. Ensure that the water can flow without hindrance through the hole above the vegetable bins.

Freezer compartment

The NoFrost system automatically defrosts the appliance.
Any moisture arising collects on the evaporator and freezes, and is periodically defrosted and evaporated.

Cleaning

Before cleaning always switch off the appliance. Pull out the mains plug or remove/unscrew the fuse.

- First clean the side panels with a conventional stainless steel cleaner. Subsequently, apply the enclosed stainless steel care product evenly onto the surfaces in the same direction in with they have been ground or polished.
- Only clean the door surfaces with a clean and soft cloth. If necessary, moisten the cloth (water + detergent). Alternatively, use a micro-fibre cloth.
- Do not use abrasive sponges or scourers, do not use concentrated cleaning agents and never use cleaning agents containing sand, chloride or acid or chemical solvents, as these would damage the surfaces and could cause corrosion.
- Clean the inside and equipment parts with lukewarm water and a little detergent.

Do not use steam cleaners because of the risk of injury and damage.

- Ensure that no cleaning water penetrates into the electrical components or ventilation grille.
- Dry all parts well with a cloth.
- Do not damage or remove the type plate on the inside of the appliance. It is very important for servicing purposes.

Shutting your appliance down

If your appliance is to be shut down for any length of time, switch it off and disconnect the plug or switch off or unscrew the fuse. Clean the appliance and leave the door open in order to prevent unpleasant smells.

The appliance complies with the relevant safety regulations and EC Directives 2004/108/EC and 2006/95/EC.

Malfunctions

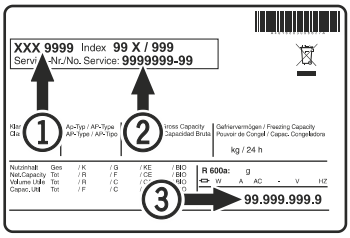
You may be able to rectify the following faults by checking the possible causes yourself:

- **Appliance does not function:**
  – Is the appliance switched on?
  – Is the plug correctly fitted in the mains socket?
  – Is the socket fuse intact?

- **Loud running noise:**
  – Is the appliance set up firmly on the floor?
  – Does the appliance cause nearby items of furniture or objects to vibrate? Please note that noises caused by the refrigerant circuit cannot be avoided.

- **The temperature is not low enough:**
  – Is the temperature setting correct (see "Setting the temperature")?
  – Have excessive amounts of fresh food been placed in the appliance?
  – Does the separately installed thermometer show the correct reading?
  – Is the ventilation system working properly?
  – Is the appliance set up too close to a heat source?

If none of the above causes apply and you cannot rectify the fault yourself, contact the nearest customer service department stating the type designation ①, service number ② and appliance number ③ as indicated on the type plate.



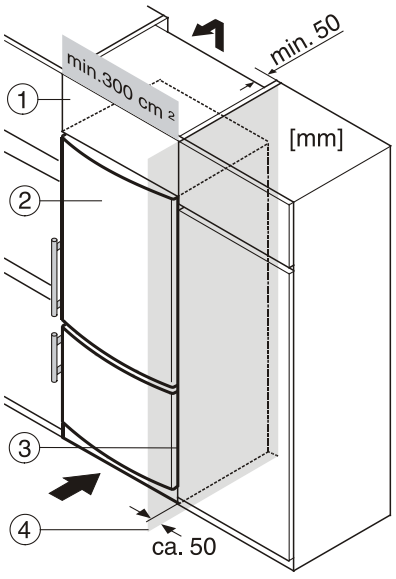
The position of the type plate is shown in the section entitled **Description of the appliance**.

Installing appliance in a row of kitchen units

To adapt the height of the appliance to the surrounding furniture a top unit ① can be added.

A gap of at least 50 mm depth must be provided behind and along the entire width of this unit so as to ensure sufficient ventilation. The area of ventilation underneath the ceiling should be at least 300 cm².

When setting up the appliance next to a wall ④, a distance of approx. 50 mm must be provided on the hinge side between the appliance and the wall (for the handle when the door is open).



① top unit
② refrigerator-freezer
③ kitchen unit side panel
④ wall

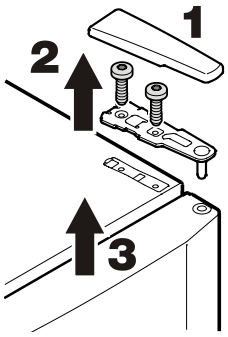
Changing over door hinges

Door hinges should only be changed by a trained expert.
Changing the door hinges must be done by two people.

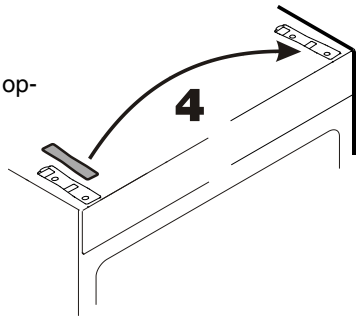
1. Remove cover.

2. Unscrew hinge bracket.

3. Remove top door.

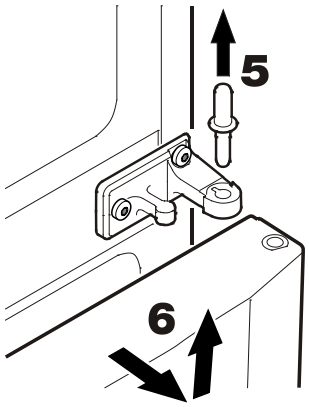


4. Transfer cover plate to the opposite side.



5. Pull out middle hinge pin.

6. Remove bottom door.

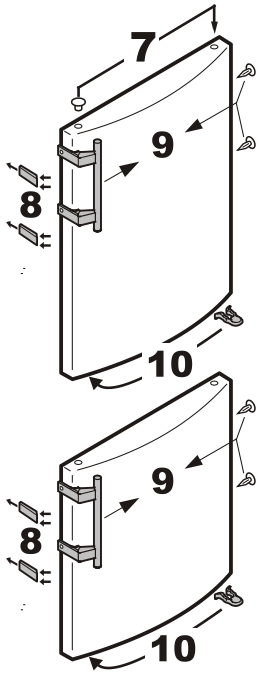


7. Transfer plug.

8. Lever out pressure plates at the front and slide away.

9. Transfer door handles and plugs to the other side.

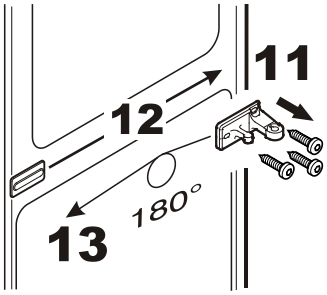
10. Transfer spring clip to the opposite side.



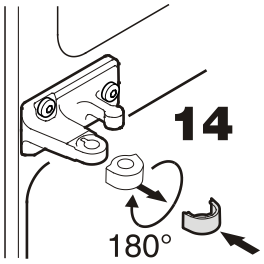
11. Unscrew hinge bracket.

12. Transfer cover plate to the opposite side.

13. Turn hinge bracket through 180° and screw into place.



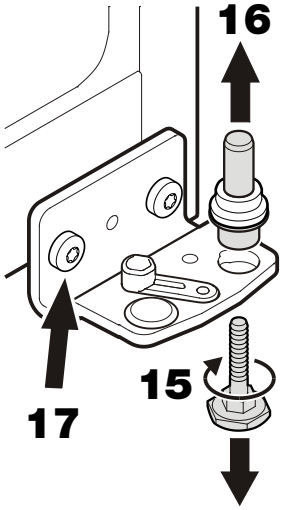
14. Remove hinge bushing, turn through 180° and re-fit.



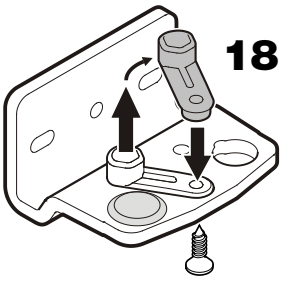
15. Tilt appliance slightly backwards and unscrew the adjustable foot.

16. Remove the hinge pin.

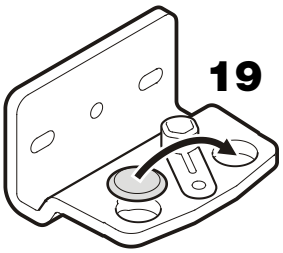
17. Unscrew hinge bracket.



18. Transfer the hinge component on the hinge bracket to the opposite side.

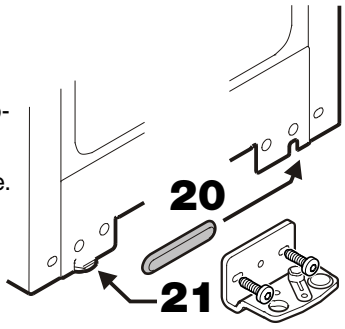


19. Transfer cover to the opposite side.

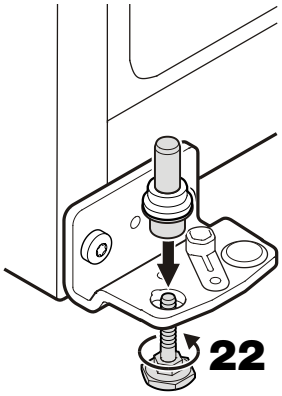


20. Transfer cover plate to the opposite side.

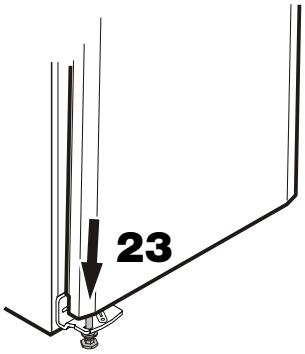
21. Screw hinge bracket into place.



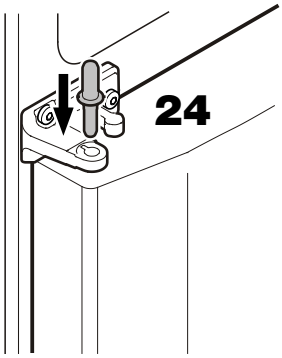
22. Tilt appliance slightly backwards, insert pin and attach using the adjustable foot.



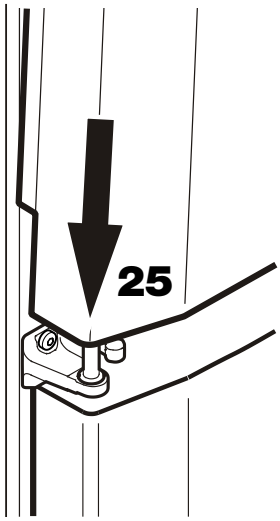
23. Suspend bottom door on the bottom hinge pin and close.



24. Insert middle hinge pin.

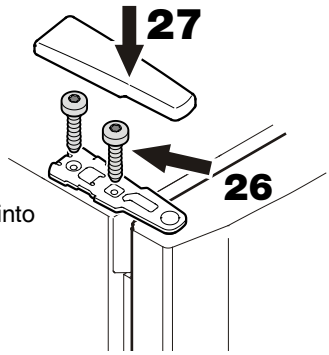


25. Suspend top door on the middle hinge pin and close.



26. Insert hinge bracket and screw into place.

27. Click cover into place.



28. Place the appliance in its final position at the place of installation.

Extend the adjustable foot at the bottom hinge bracket until it rests on the floor and then make a further 90° turn.

