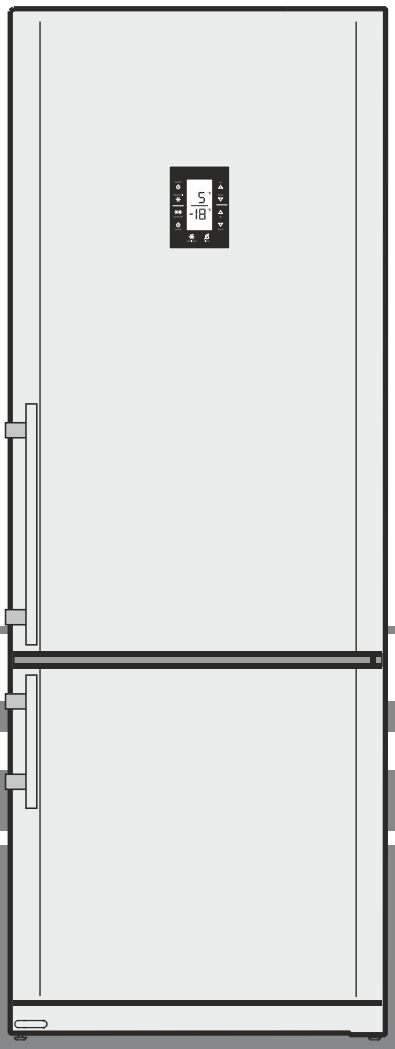
Operating instructions

No-frost combined refrigerator-freezer



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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.

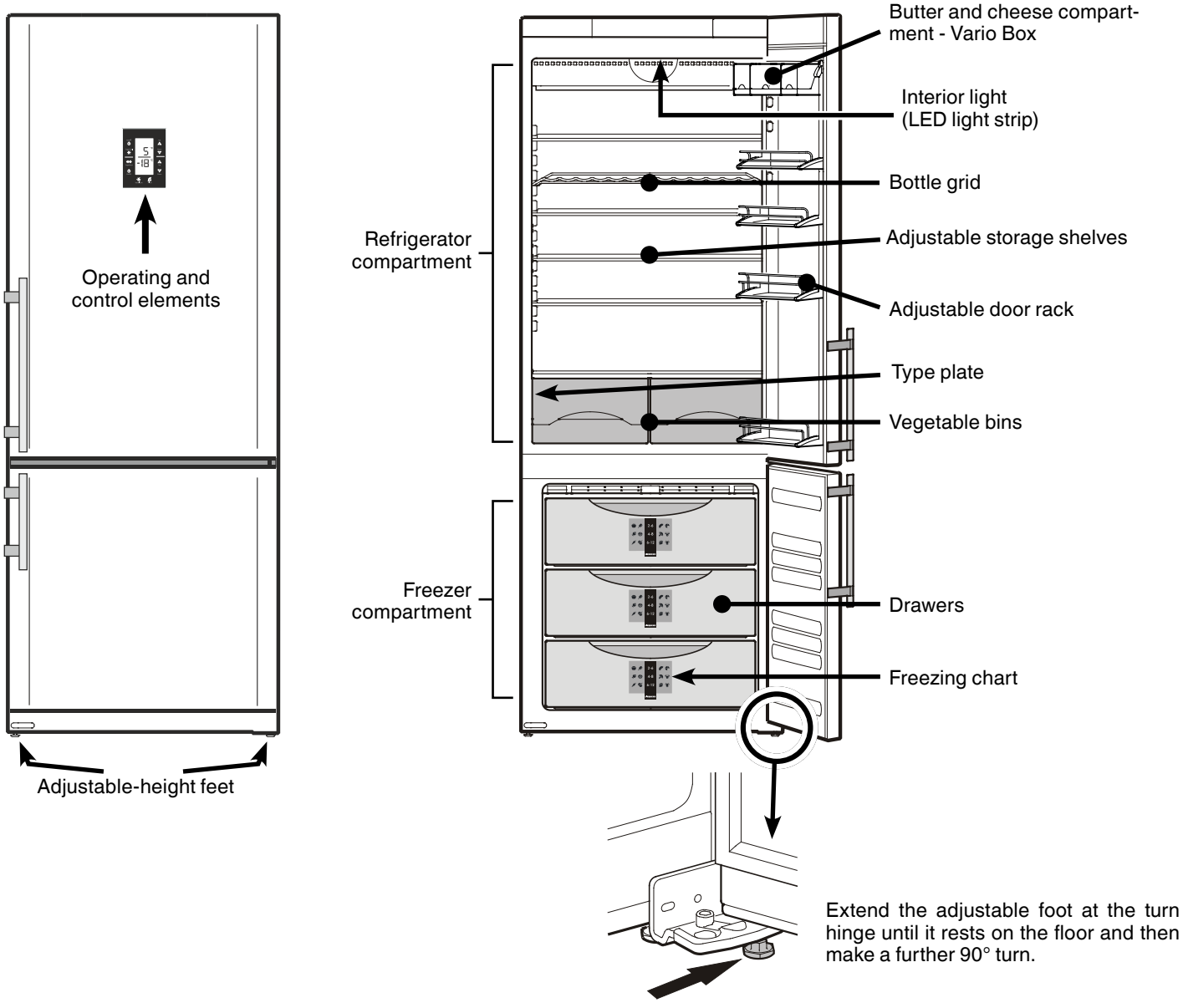
Range of appliance use

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



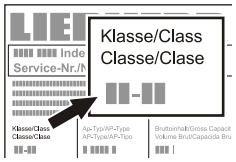
Safety instructions and warnings

- 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.

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.



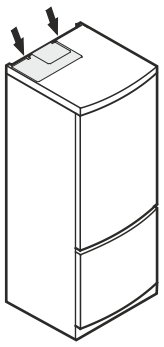
The position of the type plate is shown in the section entitled **Description of the appliance**.

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

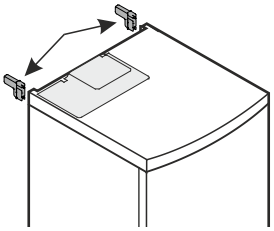
Do not operate the appliance outside the specified room temperature range.

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. →

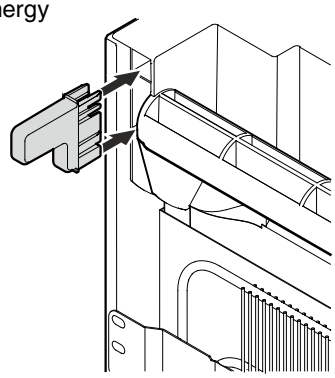


- Do not place heat-emitting appliances, e.g. microwave oven, toaster, etc., on top of the appliance.
- Standard EN 378 specifies that the room in which you install your appliance must have a volume of 1 m^3 per 8 g of R 600a refrigerant used in the appliance, so as to avoid the formation of inflammable 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.
- 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.

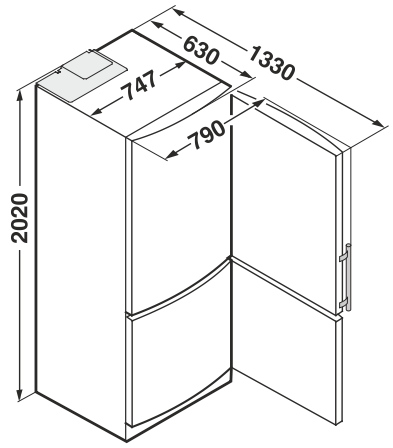


The appliance is fully operational even if the spacers are not used. It does, however, have a slightly higher energy consumption.

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



Dimensions (mm)



Electrical connection

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

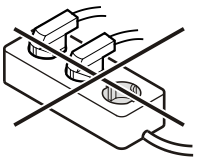
The permissible voltage and frequency are indicated on the type plate. The position of the type plate is shown in the section entitled **Description of the appliance**.

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.

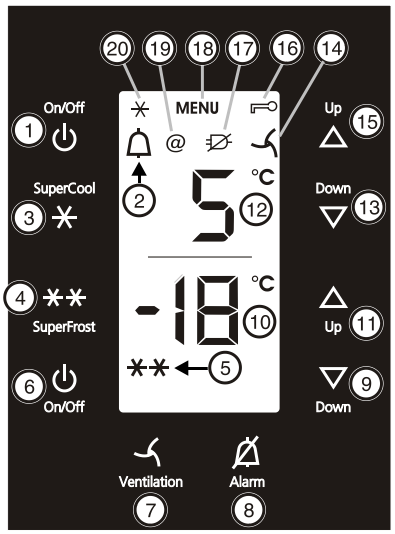
The socket must not be situated behind the appliance and must be easily accessible.

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



(1) On/Off button, refrigerator compartment
(2) Alarm symbol
(3) SuperCool button
(4) SuperFrost button
(5) SuperFrost symbol
(6) On/Off button, freezer compartment
(7) Ventilation button
(8) Alarm button
(9) Down setting button, freezer compartment
(10) Freezer compartment temperature display
(11) Up setting button, freezer compartment
(12) Refrigerator compartment temperature display
(13) Down setting button, refrigerator compartment
(14) Ventilation symbol
(15) Up setting button, refrigerator compartment
(16) Child-proofing symbol
(17) Power failure symbol
(18) Menu symbol > Setup mode is activated (activating the child lock and adjusting the display brightness)
(19) Net@Home symbol
(20) SuperCool symbol

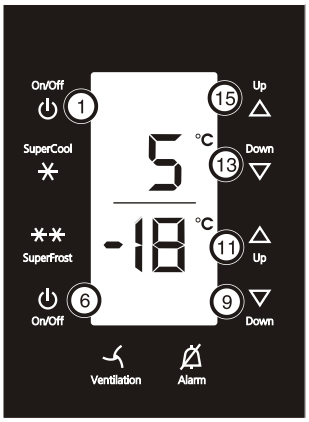
Switching the appliance on and off

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

To switch on
Press the On/Off button ① or ⑥ 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 ⑥) 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
Warmer temperature setting > press button ⑮
Colder temperature setting > press button ⑬

Setting the freezer temperature
Warmer temperature setting > press button ⑪
Colder temperature setting > press button ⑨

- While you are setting the temperature, the temperature display will flash.
- When you press the setting buttons for the first time, the set temperature will be displayed.
- You can change the settings in increments of 1°C by briefly pressing the buttons again.
- About 5 seconds after the button was last pressed the average interior temperature will be displayed.

Adjustable temperature ranges
Refrigerator compartment: 11°C to 2°C.
Freezer compartment: -16°C to -26°C.

Saving energy

- Always ensure good ventilation. Do not cover ventilation openings or grille.
- Always keep fan louvres clear.
- Do not place appliance in areas of direct sunlight or next to a stove, heater or similar object.
- 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.
- Ensure that all food is well packed and covered for storage. This will prevent frost from forming.
- First cool warm food to room temperature before storing it.
- Defrost frozen food in the refrigerator.
- If there is a thick layer of frost in the appliance: defrost the appliance.
- Empty and switch off refrigerating unit for longer vacation periods.
- Use the vacation function for longer vacation periods.

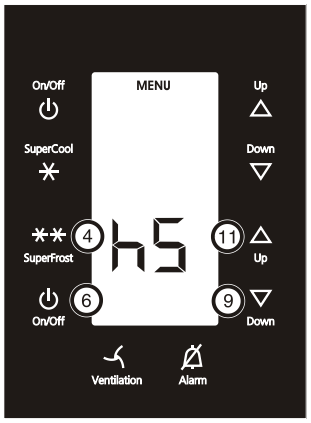
Accumulated dust increases the energy consumption:
- Once a year, dust the refrigerating unit together with the metal grille of the heat exchanger at the back of the appliance.

Brightness of the temperature display

You can adjust the brightness of the temperature display to the light conditions of the room in which the appliance is installed.

Adjusting the brightness

The brightness is adjustable between h0 (no illumination) and h5 (maximum brightness).

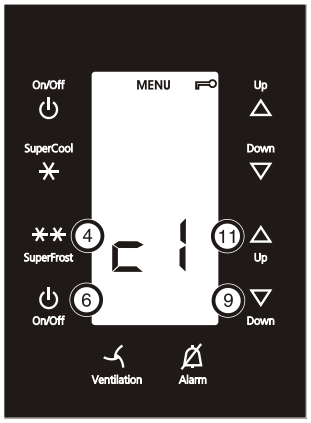


- Press the SuperFrost button ④ for about 5 seconds.
- The display indicates c.
- Using the Up button ⑪ or Down button ⑨ select h.
- Briefly press the SuperFrost button ④ .
- To make the display brighter: press Up button ⑪ .
- To make the display darker: press Down button ⑨ .
- Press the SuperFrost button ④ .
- The brightness is adjusted to the new value.
- Press the freezer compartment On/Off button ⑥ or wait for 5 minutes.

Child proofing

The child-proofing function enables you to make sure that the appliance is not inadvertently switched off by playing children.

Setting the child-proofing function
- Press the SuperFrost button ④ for about 5 seconds.
- The display indicates c.
- Briefly press the SuperFrost button ④ to confirm.



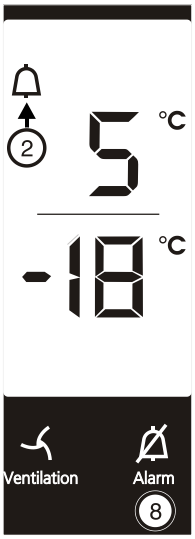
When c1 is indicated in the display:
- To activate the child lock, briefly press the SuperFrost button ④ .
- The child lock symbol lights up.
  c flashes in the display.

When c0 is indicated in the display:
- To deactivate the child lock, briefly press the SuperFrost button ④ .
- The child lock symbol goes out.
  c flashes in the display.
- Press the On/Off button ⑥ or wait for 5 minutes.

Audible warning signal

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 ⑧ 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 alarm symbol ② and the temperature display will flash.

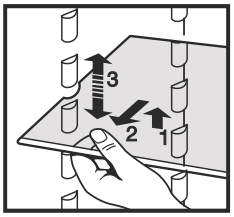
Press the audible warning on/off button ⑧ to cancel the alarm. The symbol ② will stop flashing. The symbol ② will disappear as soon as the temperature in the freezer compartment is low enough.

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 alarm symbol does not go out, contact the customer service department (see section on Malfunctions).

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.

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**.

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**.

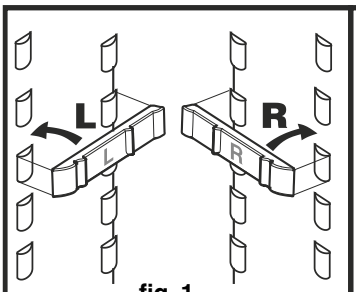


fig. 1

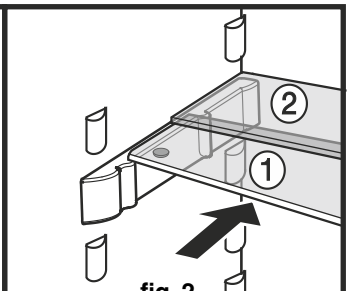
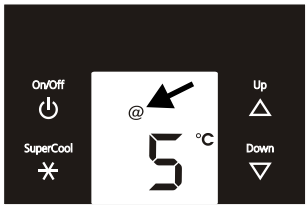


fig. 2

Net@Home

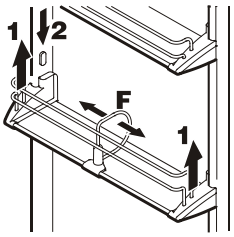
The appliance can be provided with the retrofit modules for the HomeDialog system or the serial interface (RS 232), depending on model and equipment.



The modules are available from your specialist dealer.

You will find more information on the internet at www.liebherr.com.

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.

Power failure display

If ⏻ appears in the display, the freezer temperature has risen too high due to a power failure.

- Press the Alarm button ⑧ .

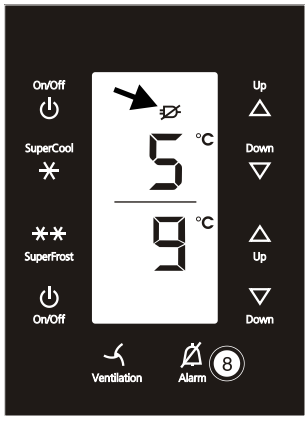
> The highest temperature during the power failure will be displayed.

Check the quality of the food depending on the temperature displayed.

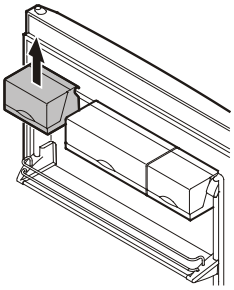
Do not eat perished food!

Do not refreeze thawed food!

Press the Alarm button ⑧ again to cancel the display.



The boxes can be removed and placed on the table as a single unit.



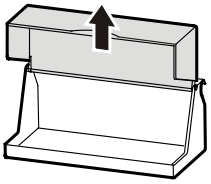
- Re-positioning the boxes: Lift them for removal and re-position them as required.

The box support bar can be removed by lifting upwards and inserted in another position (e.g. swapped with a door rack).

Important! Box lids must be shut when you close the door - risk of damage.

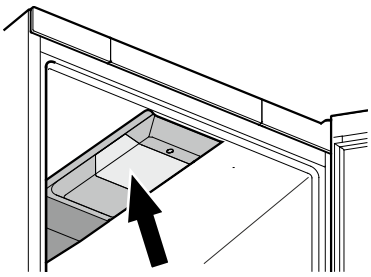
To detach the lid

Open 90° and raise to disengage.



Interior light (Refrigerator compartment)

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



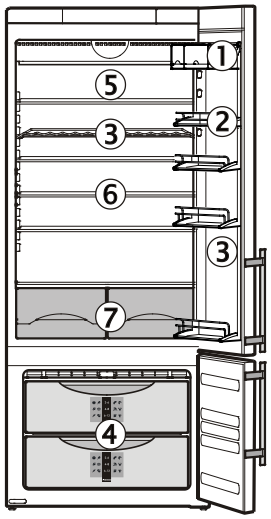
The light intensity of the LED light corresponds to laser class 1/1M.

⚠ **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.

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.

SuperCool

By activating the SuperCool function, the temperature in the refrigerator compartment will drop to its lowest value. It is recommended if large quantities of food are to be cooled rapidly.

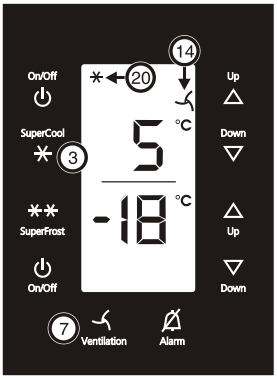
To switch on: Press the SuperCool button ③ briefly > LED ⑳ lights up.

Note: The SuperCool function switches off automatically after about 6 hours.

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).

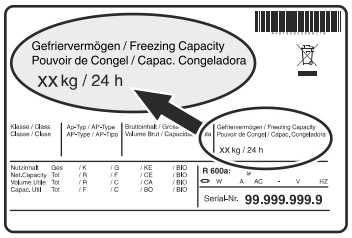


To switch on
Press the fan button ⑦ - the symbol ⑭ lights up.

Freezing

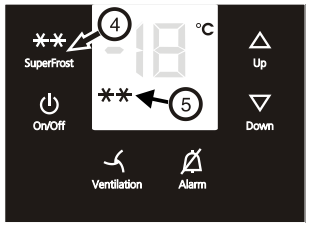
The maximum amount of food (in kg) which can be frozen in 24 hours is shown on the type plate ("Freezing capacity").

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 ④ - the SuperFrost symbol ⑤ lights up.
- For small amounts of frozen food, switch on SuperFrost 6 hours beforehand, and for the maximum quantity 24 hours beforehand.
- Place the fresh food in the freezer.
- Depending on the quantity of food placed in the freezer, the appliance switches back to normal operating mode after 30 to 65 hours.

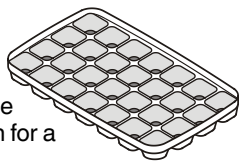
You should not switch on the SuperFrost function
- when placing frozen food in the freezer,
- when freezing up to approx. 2 kg fresh food daily.

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.

Freezer compartment

The No-frost 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.

Malfunctions

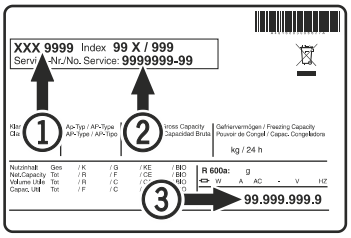
You may be able to rectify the following faults by checking the possible causes yourself:

- **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**.

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.

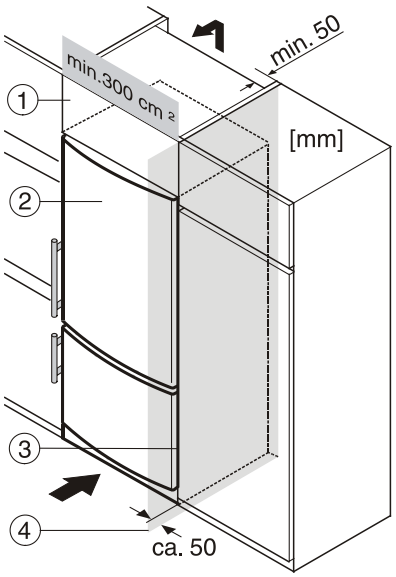
The appliance complies with the relevant safety regulations and EC Directives 2004/108/EC and 2006/95/EC.

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

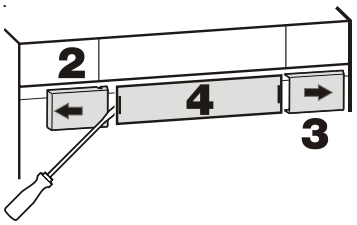
Door hinges should only be changed by a trained expert.
Changing the door hinges must be done by two people.

Caution! Before changing over door hinges, disconnect the appliance from the mains.

1. Open top door.

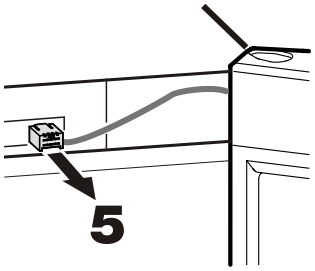
2. To remove the cover on the handle side: disengage the cover on the right using a flat-blade screwdriver and push it outwards.

3. To remove the cover on the hinge side: disengage the cover on the left using a flat-blade screwdriver and push it outwards.



4. Remove the front panel using a flat-blade screwdriver.

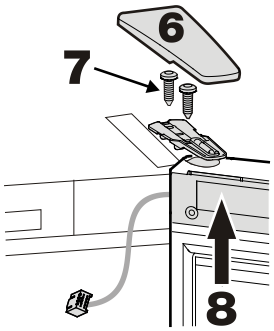
5. Remove contact and disconnect plug connector. Detach grey cable from the guide.



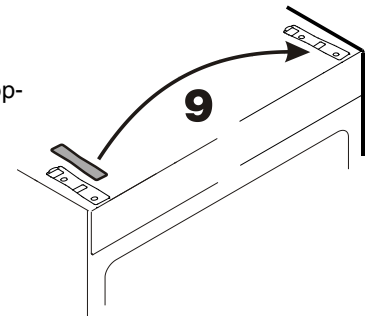
6. Remove cover.

7. Undo the screws.

8. Lift and remove the door complete with hinge and cable.

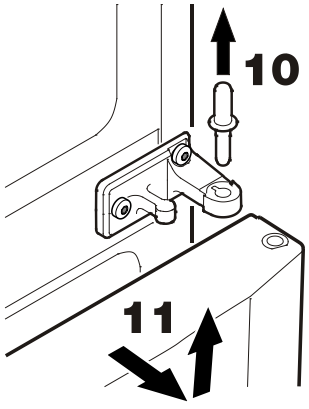


9. Transfer cover plate to the opposite side.



10. Pull out middle hinge pin.

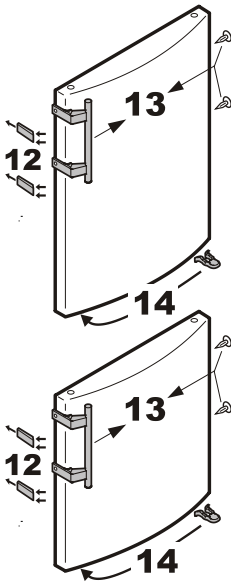
11. Remove bottom door.



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

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

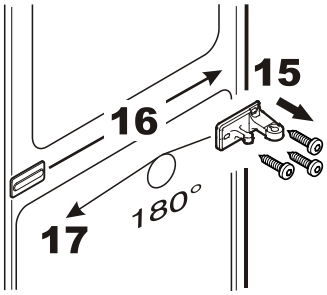
14. Transfer spring clip to the opposite side.



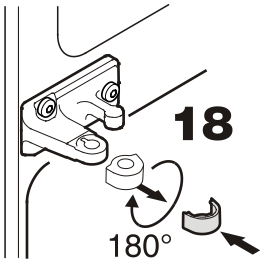
15. Unscrew hinge bracket.

16. Transfer cover plate to the opposite side.

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



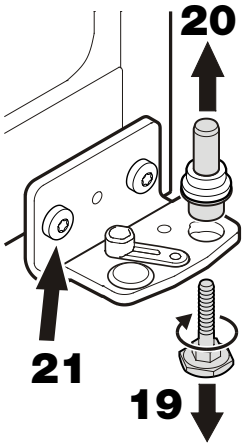
18. Remove hinge bushing, turn through 180° and re-fit.



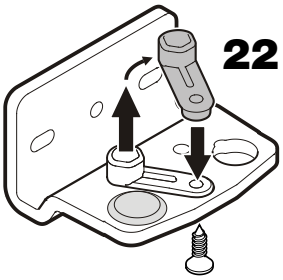
19. Tilt appliance slightly backwards and unscrew the adjustable foot.

20. Remove the hinge pin.

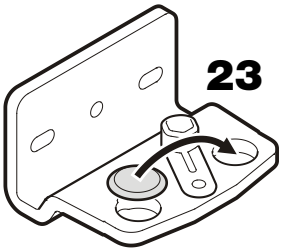
21. Unscrew hinge bracket.



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

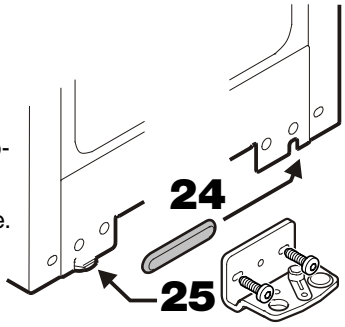


23. Transfer cover to the opposite side.

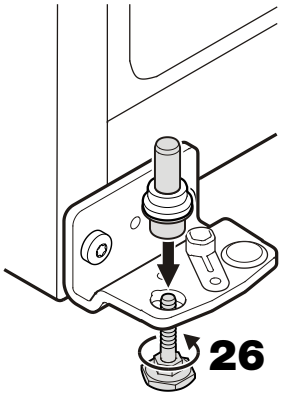


24. Transfer cover plate to the opposite side.

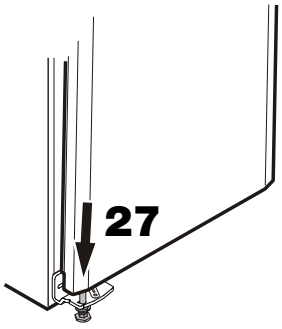
25. Screw hinge bracket into place.



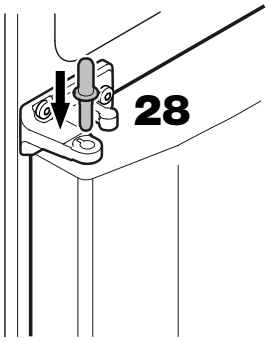
26. Tilt appliance slightly backwards, insert pin and attach using the adjustable foot.



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



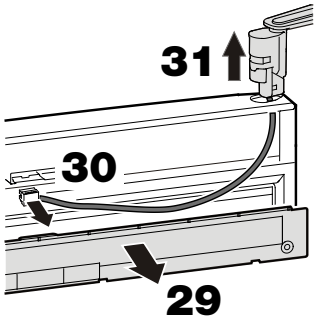
28. Insert middle hinge pin.



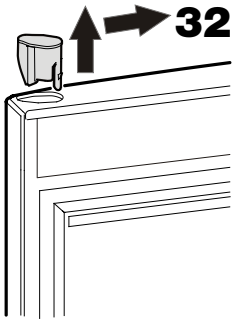
29. Using a screwdriver, remove the cover on the door.

30. Disconnect the plug.

31. Using a screwdriver, push out the hinge from underneath and remove it from the door complete with cable.



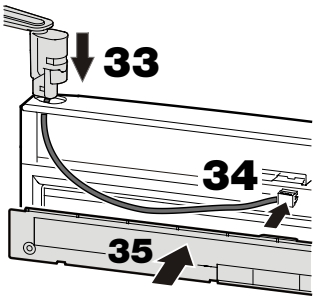
32. Using a screwdriver, push out the plug from underneath and transfer it to the opposite side.



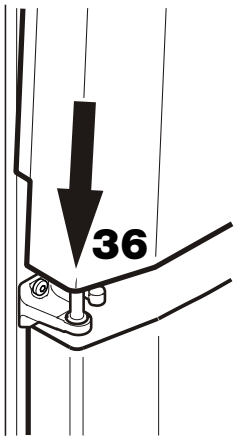
33. Feed in the cable of the hinge at the opposite side and insert hinge.

34. Plug in the plug. Place the cable in the guide.

35. Engage the cover on the door.

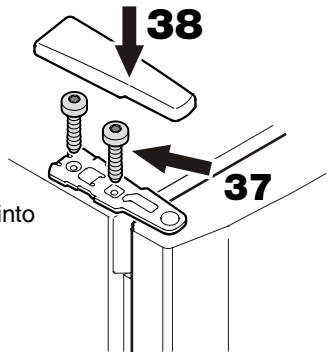


36. Suspend top door on hinge pin and close.

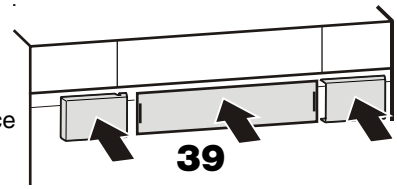


37. Insert hinge bracket and screw into place.

38. Click cover into place.



39. Open the top door and click all covers into place again.



40. 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.

