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# Fridge

**KTR..**

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## Safety instructions

This appliance complies with the relevant safety regulations for electrical appliances and is fitted with noise suppression.

The refrigeration circuit has been checked for leaks.

### About these instructions

- Read and follow the instructions for installation and use. They contain important information on how to install, use and maintain the appliance.
- The manufacturer is not liable if you disregard the notifications and warnings in the operating and installation instructions.
- Retain all documents for subsequent use or for the next owner.

### Risk of explosion

- Never use electric appliances inside the appliance (e.g. heaters or electric ice makers).
- Do not store products which contain flammable propellant (e.g. spray cans) or explosive substances in the appliance.
- Keep high-percentage alcohol tightly sealed and store in an upright position.
- Do not use additional means to accelerate the defrosting process other than those recommended by the manufacturer.

### Risk of electric shock

Improper installations and repairs may put the user at considerable risk.

- When installing the appliance, ensure that the mains cable is not trapped or damaged.
- If the mains cable is damaged: immediately disconnect the appliance from the electricity supply.
- Do not use multi-outlet power strips, extension leads or adapters.
- Have the appliance repaired by the manufacturer, Customer Service or a similarly qualified person only.
- Use original parts supplied by the manufacturer only. The manufacturer guarantees that these parts satisfy the safety requirements.



### Fire hazard/Danger due to refrigerants

The tubes of the refrigeration circuit convey a small quantity of an environmentally friendly but flammable refrigerant (R600a). It does not damage the ozone layer and does not contribute to the greenhouse effect. If refrigerant escapes, it may injure your eyes or ignite.

- Do not damage the tubes.

If the tubes are damaged:

- Keep naked flames and ignition sources away from the appliance.
- Ventilate the room.
- Switch off the appliance and pull out the mains plug.
- Please contact Customer Service.



### Fire hazard

Portable multi-outlet power strips or power supplies may overheat, causing a fire.

Never leave portable multi-outlet power strips or portable power supplies behind the appliance.

### Avoiding placing children and vulnerable people at risk

At risk here are:

- Children,
- People with limited physical, mental or sensory abilities,
- People who have inadequate knowledge concerning safe operation of the appliance.

Measures:

- Ensure that children and vulnerable people have understood the hazards.
- A person responsible for safety must supervise or instruct children and vulnerable people who using the appliance.
- Only children aged 8 years and above may use the appliance.
- Supervise children who are cleaning and maintaining the appliance.
- Never allow children to play with the appliance.

### Risk of suffocation

- If the appliance features a lock: keep the key out of the reach of children.
- Keep children away from the packaging and its parts.

### Damage to property

To prevent damage to property:

- Do not stand or support yourself on the base, runners or doors.
- Keep plastic parts and door seals free of oil and grease.
- Pull on the mains plug – not the power cord.

## Weight

When installing and transporting the appliance, note that it may be very heavy.

## Intended use

Use this appliance

- Only for refrigerating food.
- Only in the home and in the home environment.
- Only according to this user manual.

This appliance is intended for use up to a maximum height of 2000 metres above sea level.

## Directions for disposal

### Disposing of packaging

The packaging protects your appliance from damage during transport. All the materials used are environmentally friendly and can be recycled. Please help by disposing of the packaging in an environmentally responsible manner.

Information about the available disposal methods and sites can be obtained from your appliance retailer or your local authority.

### Disposing of your old appliance

Used appliances are not valueless waste. Valuable raw materials can be recovered through environmentally responsible disposal.



This appliance is labelled in accordance with European Directive 2012/19/EU concerning used electrical and electronic appliances (waste electrical and electronic equipment - WEEE).

The Directive determines the framework for the return and recycling of used appliances as applicable throughout the EU.

### Warning

Appliances at the end of their useful life:

1. Unplug the mains plug.
2. Cut the power cord and remove it along with the mains plug.
3. Do not remove the shelves and containers. Leaving them intact makes it more difficult for children to climb in.
4. Never let children play with a disused appliance.  
Risk of asphyxiation!

Refrigerators contain refrigerant as well as gases in the insulation material. Refrigerant and gases must be disposed of properly. Do not damage the refrigerant circuit pipes before disposing of them properly.

## Specifications supplied

After unpacking the appliance, check all parts for transport damage.

If you find any defects, contact the retailer from whom you purchased the appliance or our After-sales Service.

The appliance supplied consists of the following components:

- Free-standing appliance
- Features (vary depending on the model)
- Bag of assembly materials
- Instructions for use and installation
- Service record
- Guarantee slip
- Information on energy consumption and noise

## Installing the appliance

### Transport

Because of the weight and size of the appliance, and in order to minimise the risk of personal injury or damage to the appliance, at least two persons are required for moving and positioning the appliance safely.

### Installation site

The ideal installation site is a dry, well ventilated room. The appliance should not be installed in a position that is exposed to direct sunlight or close to a source of heat, such as a cooker or radiator. If installation near to a source of heat is unavoidable, use a suitable insulating panel or keep to the following minimum distances from the source of heat:

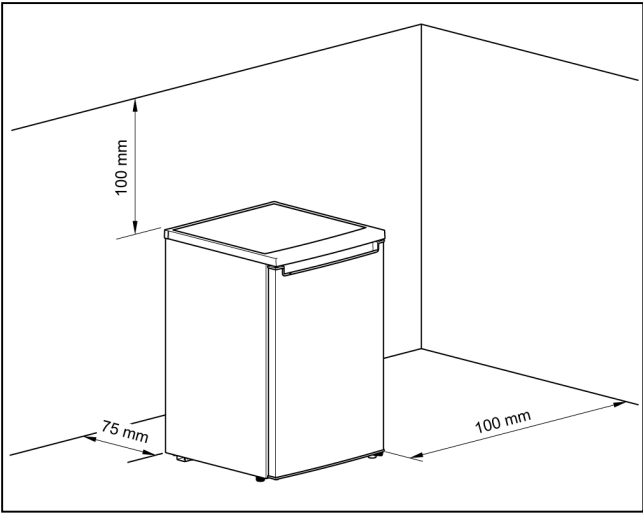
- 3 cm from an electric or gas cooker.
- 30 cm from oil or solid fuel cookers.

### Floor surface

The floor at the installation site must not give. Reinforce the floor if necessary.

Wall clearance

If the appliance is positioned in the corner of a room or a recess, minimum clearances at the sides must be maintained so that the heated air is able to escape unimpeded and the appliance door can be fully opened.



Observe the room temperature and ventilation requirements

Room temperature

The appliance is designed for a certain climate class. Depending on the climate class, the appliance can be operated at the following ambient temperatures. The climate class is specified on the rating plate.

Climate class	Permissible 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

Note

The appliance is fully functional within the room temperature limits of the specified climate class. If an appliance in the SN climate class is operated at lower ambient temperatures, damage to the appliance can be excluded up to a temperature of +5 °C.

Ventilation

The heated air must be able to escape unimpeded. Otherwise, the refrigerating unit has to work harder, which increases the appliance's power consumption. Therefore:

- Never cover over or block the air vent.
- Keep minimum distances to walls and furniture.

Connecting the appliance

After setting up the appliance, wait for at least 4 hours before starting the appliance up. The oil contained in the compressor may have been displaced into the refrigeration system during transport.

Before starting the appliance up for the first time, clean its interior (see section headed Cleaning the appliance).

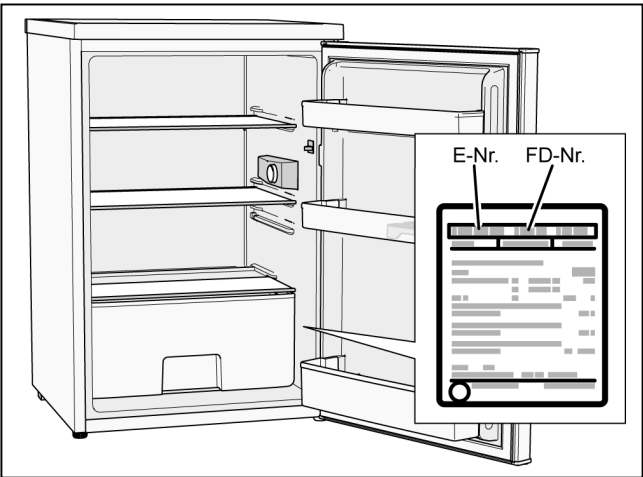
Do not remove the transit locks from the shelves and trays until the appliance has been installed.

Electrical connection

The socket must be near to the appliance and easily accessible after the appliance has been installed.

The appliance conforms to protection class I. Connect the appliance to a 220-240 V/50 Hz alternating current supply using a socket with protective earthing conductor which has been correctly installed. The socket must be protected by a fuse with a rating of 10 A to 16 A.

In the case of appliances operated outside of Europe, check whether the voltage and type of current specified conform to the values of your electricity grid. You will find this information on the rating plate.



Warning

The appliance must never be connected up to an electronic energy-saving socket.

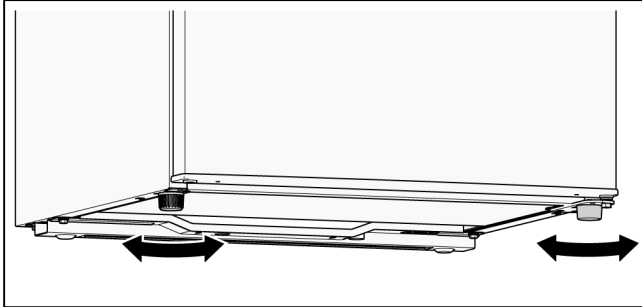
Sinusoidal-commutated and line-commutated inverters can be used with our appliances. Line-commutated inverters are used with photovoltaic systems that are connected directly to the national grid. Sinusoidal-commutated inverters must be used with standalone applications (e.g. on ships or mountain huts) that do not have a direct connection to the national grid.

## Aligning the appliance

### Note

To ensure that it functions properly, the appliance must be aligned using a spirit level.

1. Move the appliance into its intended installation position.
2. Screw the feet in/out until the appliance is exactly aligned.



## Changing the door hinge

We recommend to have the door hinge changed by our customer service. How much a door hinge change will cost you can find out contacting customer service.

### ⚠ Warning

When the door hinge is changed, the appliance must not be connected to the power supply. Please pull the mains plug beforehand.

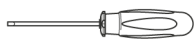
Required tools



8 mm hex nut driver



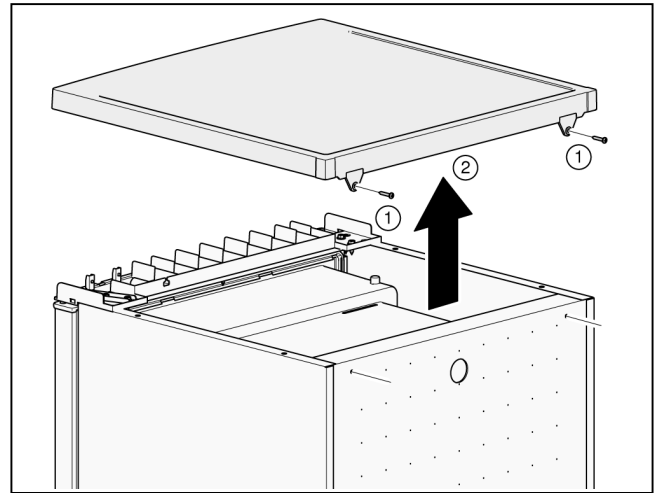
Cross-shaped screwdriver



Thin-blade screwdriver

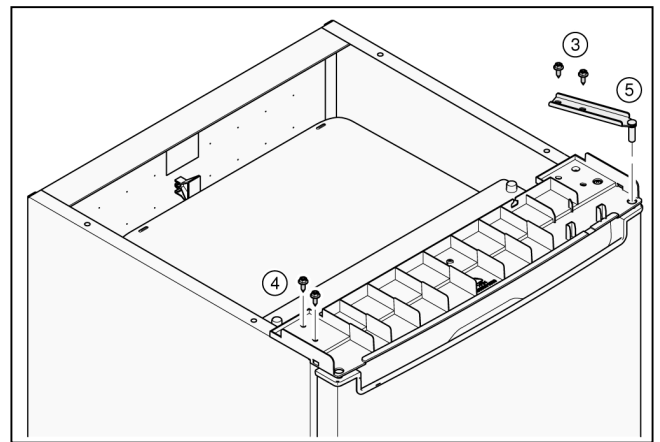
## Changing door hinge of the appliance door

1. Open the appliance door and unhinge and remove all fittings from inside the appliance (see section headed Fittings).
2. Unscrew the 2 screws (1).
3. Take off the cover plate (2) and set it down on a soft surface.



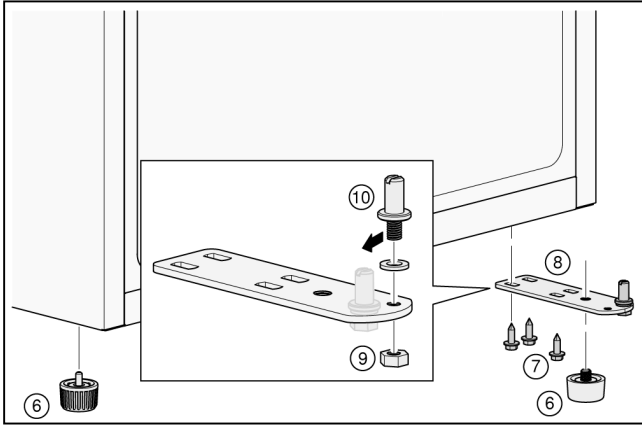
Hold on to the appliance door!

4. Unscrew the 2 screws (3).
5. Unscrew the 2 screws (4).
6. Remove the top hinge (5).

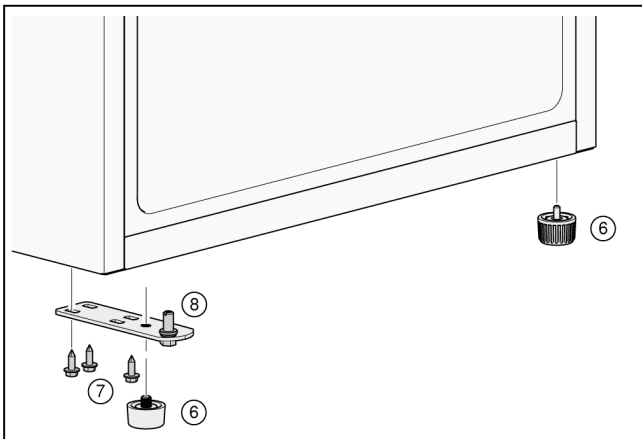


7. Unhook the appliance door and set it down on a soft surface.
8. To avoid damaging the appliance rear side, provide cushioning material. Place the appliance carefully onto its rear side.

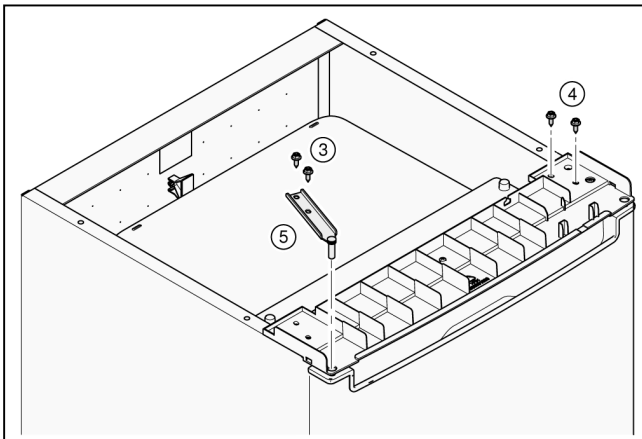
9. Unscrew the feet (6).
10. Unscrew the 3 screws (7).
11. Remove the bottom hinge (8).
12. Unscrew the nut (9) and pull out the bolt (10).



13. Insert the bolt (10) into the left boring and apply the nut (9) and tighten.
14. Apply the bottom hinge (8) and apply 3 the screws (7) and tighten.
15. Screw the feet (6) into the bottom hinge (8).

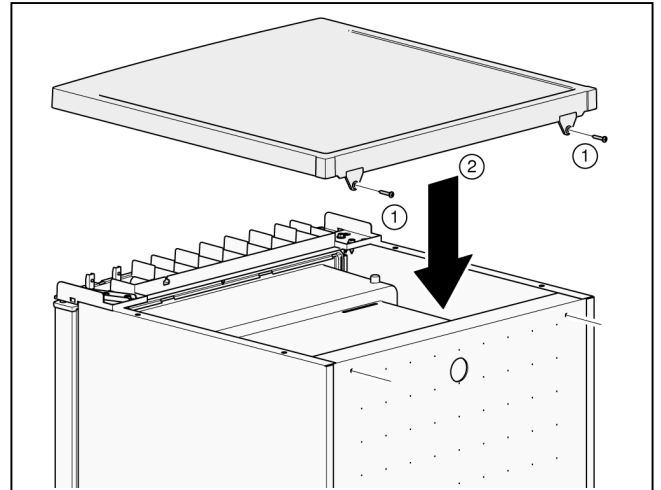


16. Attach the appliance door to the bottom hinge (8).
17. Apply the 2 screws (4) and tighten.
18. Apply the top hinge (5) and apply the 2 screws (3) and tighten.



19. Turn the appliance upright again.

20. Mount the cover panel (2) at the front and lay it flat on the rear.
21. Apply the 2 screws (1) and tighten.



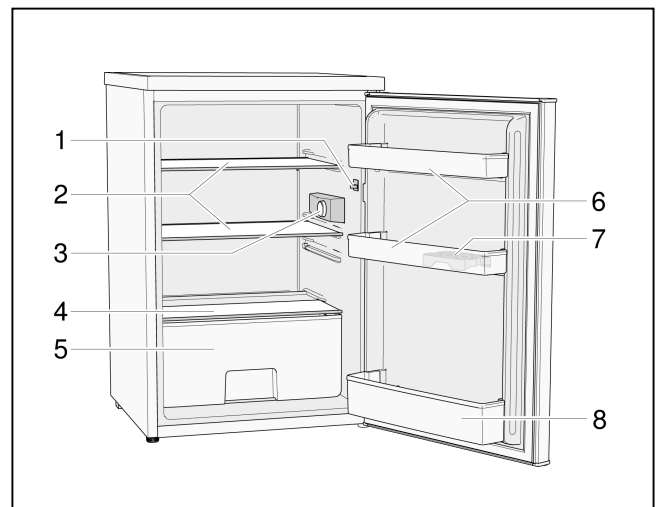
22. Open the appliance doors and attach all fittings (see section headed Fittings).

## Getting to know the appliance

### Appliance

The features of the models may vary.

The illustrations may differ from your particular model.



- 1 Light switch
- 2 Glass shelves
- 3 Temperature controller and LED light
- 4 Cover for crisper drawer
- 5 Crisper drawer
- 6 Door pockets
- 7 Egg tray
- 8 Door pocket for bottles

## Switching on the appliance

Plug the mains plug into the mains outlet socket.  
The appliance will start cooling.  
The light comes on when the appliance door is opened.

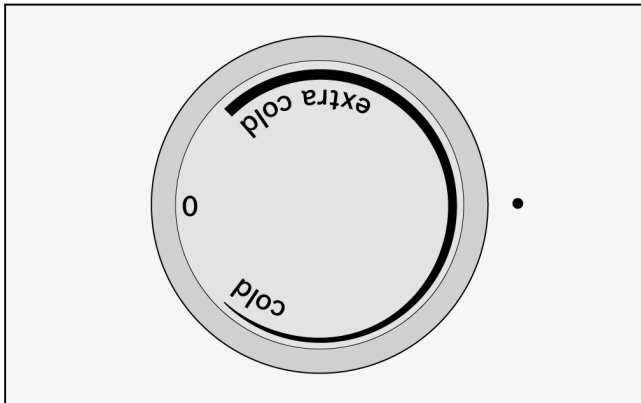
### Notes on using the appliance

- After switching on the appliance, it may be several hours before the set temperature is reached.  
Do not put any food in the appliance before then.

## Setting the temperature

### Fridge compartment

Turn temperature controller to the required setting.  
We recommend a medium temperature setting.



cold: Warmer temperature  
extra cold: Cooler temperature (higher energy consumption)

We recommend:

- Perishable food should not be stored at a temperature above the medium setting.
- Medium setting for long-term storage of food.
- Low setting for short-term storage of food (energy-saving mode).
- Select a higher setting only temporarily, when the appliance door is frequently opened or large quantities are placed in the refrigerator compartment.

#### Note

When a cooler fridge compartment temperature was set while the outside temperature is higher, the cooling unit runs very frequently or without interruptions. This results in higher energy consumption.

## Usable capacity

You will find the details of the usable capacity on the rating plate inside the appliance.

## Fridge compartment

The fridge compartment is the perfect place for keeping ready meals, bread and pastries, jams and preserves, condensed milk and hard cheeses.

### When placing food in the fridge, follow these guidelines

- Keep fresh, untouched food in the fridge. In that way it will keep longer and stay fresher.
- In the case of ready-made products and packaged foods and liquids, pay attention to the manufacturer's specified best-before or use-by date.
- In order to maintain flavour, colour and freshness, keep food well packed or covered over. That also prevents flavours from mixing and the plastic parts from becoming discoloured in the fridge compartment.
- Allow warm food and beverages to cool before putting them into the appliance.

#### Note

Keep food from coming into contact with the rear panel. Otherwise, the air circulation will be impaired.  
Food or packaging could also become frozen to the rear panel.

### Pay attention to the temperature zones in the fridge compartment

The air circulation produces different temperature zones in the fridge compartment:

- The coldest zones are close to the rear panel.
- The warmest zone is at the very top of the appliance door.

#### Note

Keep items such as hard cheese and butter in the warmest zone. That will allow the cheese to continue developing its flavour and the butter will remain spreadable.



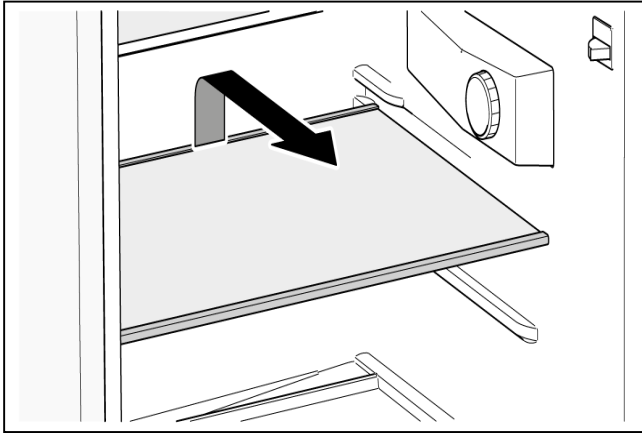
## Fittings

### Glass shelf

The glass shelf can be removed and fitted at different heights.

#### Removing

Lift the glass shelf at the back and pull it out.



#### Inserting

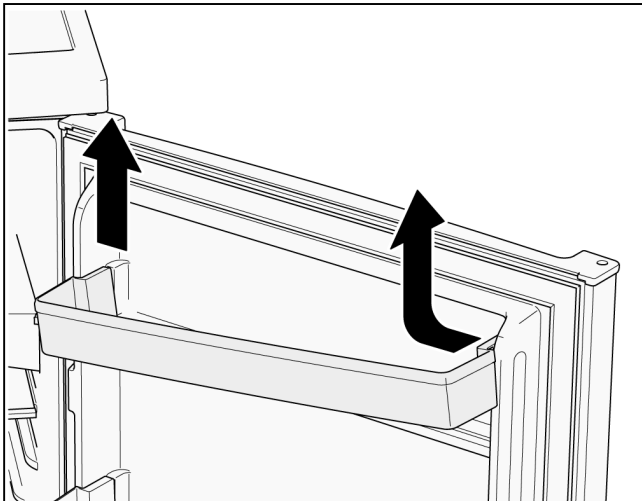
Slide the glass shelf backwards on the guide rails until it snaps downwards into place.

### Door pockets

The door pockets can be removed.

#### Removing

Press the door pocket on one side inwards until this side can be removed by pulling it upwards.



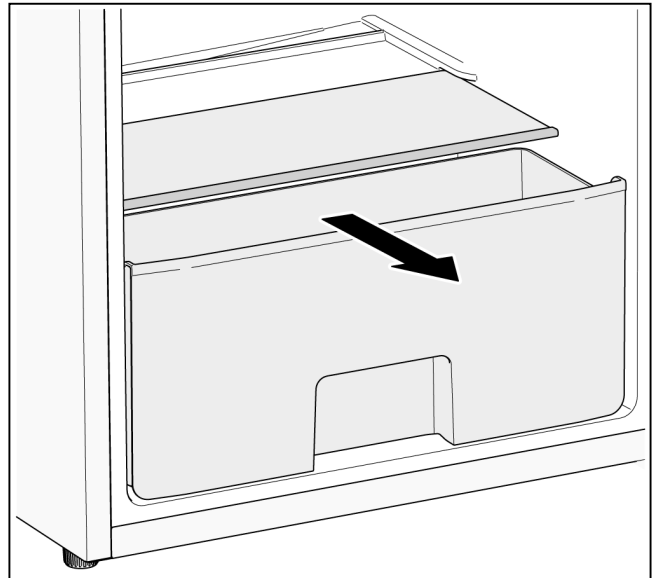
#### Inserting

Insert the door pocket on one side into the guide. Slide the other side down until it engages.

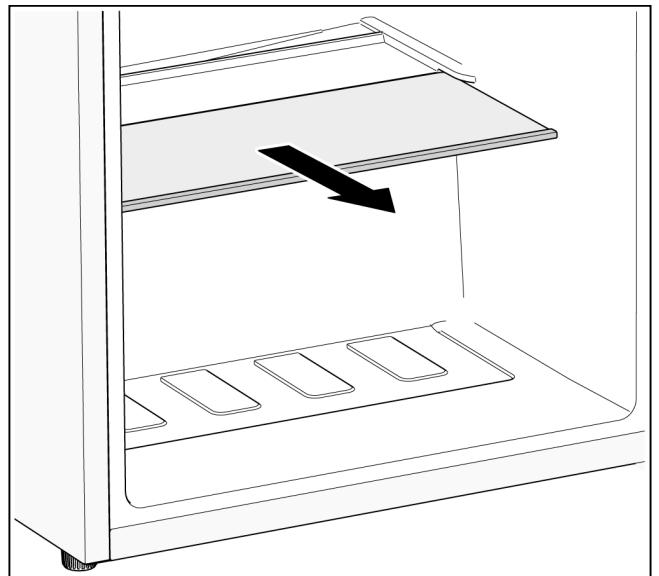
### Crisper drawer

The crisper drawer is particularly suitable to storage of fruit and vegetables.

The crisper drawer can be removed for loading and unloading and cleaning.

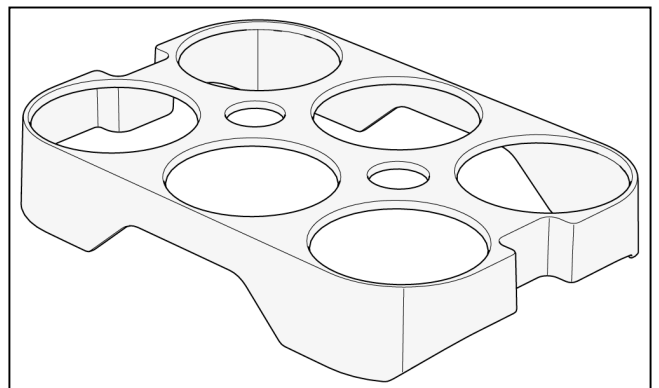


The cover of the crisper drawer can be removed for cleaning purposes.



### Egg tray

The egg tray is used to store eggs.



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## Switching off and shutting down the appliance

### Switch off the appliance

Unplug the appliance from the mains or switch off the circuit-breaker.

### Putting the appliance out of service

If you do not use the appliance for long periods:

1. Remove all food from the appliance.
2. Switch off the appliance.
3. Clean the appliance.
4. Leave the appliance door open.

---

## Defrosting

### Fridge compartment

While the appliance is in use, drops of condensation or frost form on the back of the fridge compartment. As the rear panel defrosts automatically, it is not necessary to remove the frost or the condensation.

---

## Cleaning the appliance

### Caution

- Do not use gritty, acidic or chlorine-based cleaning agents or solvents.
- Do not use abrasive cleaning pads or sponges that may scratch surfaces. This may lead to corrosion of the metallic surfaces.
- Never clean the shelves or containers in the dishwasher. The parts may warp.

Proceed as follows:

1. Switch off the appliance before cleaning.
2. Unplug the appliance from the mains or switch off the circuit-breaker.
3. Take out the food and store it in a cool place. Place blocks of ice (if you have one) on the food.
4. Clean the appliance with a soft cloth, lukewarm water, and a little pH-neutral washing-up liquid. The washing-up liquid solution must not be allowed to get into the lights or run into the evaporation tray through the drain hole.
5. Only wipe the door seal with clean water and then rub it until it is dry.
6. Clean the condensator, air intake and exhaust opening with a brush or vacuum cleaner.
7. Clean the drain hole with a cotton swab.
8. After cleaning, reconnect the appliance to the mains and switch it on.
9. Put the food back in.

### Fittings

All the variable components of the appliance can be removed for cleaning (see section headed Fittings).

---

## Smells

If you notice unpleasant smells:

1. Switch off the appliance.
2. Remove all food from the appliance.
3. Clean the inside of the appliance (see section headed Cleaning the appliance).
4. Clean all packaging.
5. Pack strongly smelling food in air-tight containers to prevent odours.
6. Switch on the appliance again.
7. Arrange the food.
8. After 24 hours, check again to see if the smells have reappeared.

---

## Lighting (LED)

Your appliance is equipped with a maintenance-free LED light.

Any repair work on the lighting must only be carried out by the after-sales service or authorised experts.

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## Saving energy

- Install the appliance in a dry, well ventilated room. The appliance must be installed out of direct sunlight and away from heat sources (e.g. heating elements, cooker).  
Use an insulating plate if necessary.
- Allow hot food and drinks to cool before placing them in the appliance.
- Place frozen food in the fridge compartment to defrost and utilise the low temperature of the frozen food to cool other food.
- Only open the appliance door for as short a time as possible.
- Make sure that the appliance door is always closed.
- The arrangement of the equipment parts shown in the section Getting to know the appliance requires the least amount of energy. Any other arrangements can result in higher energy consumption.
- To prevent increased power consumption, occasionally clean the air vent with a soft brush or vacuum cleaner.

# Operating noises

## Completely normal noises

### Humming

Motors running (e.g. refrigeration units, ventilator).

### Bubbling, whirring or gurgling noises

Refrigerant circulating through the pipes.

### Clicking

Motors, switches or solenoid valves are switching on/off.

## Preventing noises

### The appliance is not standing straight

Make sure the appliance is exactly aligned by using a spirit level. To adjust the position of the appliance, use the adjustable feet or place something underneath.

### The appliance is touching adjacent units or appliances

Move the appliance away from adjacent furniture or appliances.

### Containers or shelves are wobbling or sticking

Check the removable parts and re-insert them if necessary.

### Containers are touching

Move the containers apart slightly.

# Rectifying minor faults yourself

Before calling After-sales Service:

Check whether you can rectify the fault yourself by using the notes below.

You must pay the cost of the After-sales Service call out – even during the guarantee period.

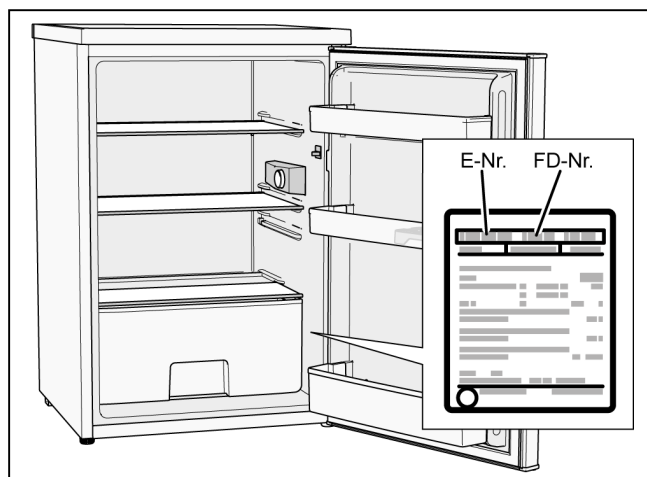
Problem	Possible cause	Remedy
Appliance is not cooling/freezing.	Power cut.	Check whether there is power to the appliance.
The lighting is not working.	Circuit-breaker is switched off.	Check circuit-breaker.
	Power plug not properly plugged in.	Check whether power plug is properly plugged in.
The refrigeration unit switches on with increasing frequency and for longer periods.	The appliance door is being opened frequently.	Do not open the appliance door unnecessarily.
	The ventilation openings are covered.	Remove any obstructions.
	Placing large quantities of food in the appliance.	Set a lower temperature.
	The temperature setting is too low.	Set a higher temperature.
	The appliance is too close to a heat source or the ambient temperature is too warm.	See section headed Installing the appliance.
The fridge compartment is too warm.	The appliance door is being opened frequently.	Do not open the appliance door unnecessarily.
	Placing large quantities of food in the appliance.	Set a lower temperature.
	The temperature setting is too high.	Set a lower temperature.
	The appliance is too close to a heat source or the ambient temperature is too warm.	See section headed Installing the appliance.
The fridge compartment is too cold.	The temperature setting is too low.	Set a higher temperature.
The (LED) lighting does not work.	The LED lighting is faulty.	See section headed Lighting (LED).
	Door switch is sticking.	Check whether you can move the door switch.
Unpleasant smells are noticeable.	Strongly smelling food not packed in air-tight containers.	Clean the appliance. Pack strongly smelling food in air-tight containers (see section headed Smells).
In the appliance a layer of ice is forming.	The ventilation openings are covered.	Remove any obstructions.
	The appliance door was not closed completely.	Close the appliance door completely.
	The door seal is dirty.	Clean the door seal. See section headed Cleaning the appliance.

Problem	Possible cause	Remedy
The appliance door can only be closed with difficulty.	Food prevent the appliance door from closing correctly.	Remove any obstructions.
	The appliance is not aligned.	Align the appliance with a spirit level. See section headed Aligning the appliance.
After a cooler temperature was set, the cooling machine does not switch on immediately.	This is normal, there is no fault.	
On the appliance bottom or on the trays, water has accumulated.	The drain hole is plugged.	Clean the drain hole with a cotton swab. See section headed Cleaning the appliance.

## After-sales Service

You can find your local After-sales Service centre in the phone book or the After-sales Service directory. Please quote the product number (E-Nr.) and production number (FD-Nr.) of your appliance.

You will find this information on the rating plate.



Please help us to avoid unnecessary journeys by quoting the appliance and production number. By doing so, you will save any associated additional charges.

## Booking a repair call-out and advice on faults

The After-sales Service contact details for all countries are listed in the attached After-sales Service directory.

GB	0344 892 8979	Calls charged at local or mobile rate.
IE	01450 2655	0.03 € per minute at peak. Off peak 0.0088 € per minute.
US	800 944 2904	toll-free



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## Looking for help? You'll find it here.

Expert advice for your Bosch home appliances, need help with problems or a repair from Bosch experts.

Find out everything about the many ways Bosch can support you:

**[www.bosch-home.com/service](http://www.bosch-home.com/service)**

**Contact data of all countries are listed in the attached service directory.**

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