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**Fridge-freezer  
KGN..**



**BOSCH**

en Instruction for Use

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## Safety and warning information

### Before you switch ON the appliance

Please read the operating and installation instructions carefully! They contain important information on how to install, use and maintain the appliance. The manufacturer is not liable if you fail to comply with the instructions and warnings. Retain all documents for subsequent use or for the next owner.

### Technical safety

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 increase the greenhouse effect. If refrigerant escapes, it may injure your eyes or ignite.

### If damage has occurred

- Keep naked flames and/or ignition sources away from the appliance,
- thoroughly ventilate the room for several minutes,

- switch off the appliance and pull out the mains plug,
- inform customer service.

The more refrigerant an appliance contains, the larger the room must be in which the appliance is situated. Leaking refrigerant can form a flammable gas-air mixture in rooms which are too small. The room must be at least 1 m<sup>3</sup> per 8 g of refrigerant. The amount of refrigerant in your appliance is indicated on the rating plate inside the appliance.

If the power cord of this appliance is damaged, it must be replaced by the manufacturer, customer service or a similarly qualified person. Improper installations and repairs may put the user at considerable risk.

Repairs may be performed by the manufacturer, customer service or a similarly qualified person only.

Only original parts supplied by the manufacturer may be used. The manufacturer guarantees that only these parts satisfy the safety requirements.

A extension cable may be purchased from customer service only.

## Important information when using the appliance

- Never use electrical appliances inside the appliance (e.g. heater, electric ice maker, etc.). Explosion hazard!
- Never defrost or clean the appliance with a steam cleaner! The steam may penetrate electrical parts and cause a short-circuit. Risk of electric shock!
- Do not use pointed or sharp-edged implements to remove frost or layers of ice. You could damage the refrigerant tubes. Leaking refrigerant may cause eye injuries or ignite.
- Do not store products which contain flammable propellants (e.g. spray cans) or explosive substances in the appliance. Explosion hazard!
- Do not stand on or lean heavily against base of appliance, drawers or doors, etc
- For defrosting and cleaning, pull the mains plug out or switch off the fuse. Do not pull out the mains plug by tugging on the power cord.
- Store high-percentage alcohol tightly closed and standing up.

- Keep plastic parts and the door seal free of oil and grease. Otherwise, parts and door seal will become porous.
- Never cover or block the ventilation openings of the appliance!

### ■ **Avoiding placing children and vulnerable people at risk:**

At risk are children, people who have limited physical, mental or sensory abilities, as well as people who have inadequate knowledge concerning safe operation of the appliance.

Ensure that children and vulnerable people have understood the hazards.

A person responsible for safety must supervise or instruct children and vulnerable people who are using the appliance.

Only children from 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.

- Do not store bottled or canned drinks (especially carbonated drinks) in the freezer compartment. Bottles and cans may burst!
- Never put frozen food straight from the freezer compartment into your mouth.  
Risk of low-temperature burns!
- Avoid prolonged touching of frozen food, ice or the evaporator pipes, etc.  
Risk of low-temperature burns!

### **Children in the household**

- Keep children away from packaging and its parts.  
Danger of suffocation from folding cartons and plastic film!
- Do not allow children to play with the appliance!
- If the appliance features a lock:  
keep the key out of the reach of children!

### **General regulations**

The appliance is suitable

- for refrigerating and freezing food,
- for making ice.

This appliance is intended for use in the home and the home environment.

The appliance is suppressed according to EU Directive 2004/108/EC.

The refrigeration circuit has been checked for leaks.

This product complies with the relevant safety regulations for electrical appliances (EN 60335-2-24).

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

# Information concerning disposal

## Disposal of packaging

The packaging protects your appliance from damage during transit. All utilised materials are environmentally safe and recyclable. Please help us by disposing of the packaging in an environmentally friendly manner.

Please ask your dealer or inquire at your local authority about current means of disposal.

## Disposal of your old appliance

Old appliances are not worthless rubbish! Valuable raw materials can be reclaimed by recycling old appliances.



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

## Warning

Redundant appliances

1. Pull out the mains plug.
2. Cut off the power cord and discard with the mains plug.
3. Do not take out the trays and receptacles: children are therefore prevented from climbing in!
4. Do not allow children to play with the appliance once it has spent its useful life. Danger of suffocation!

Refrigerators contain refrigerant and gases in the insulation. Refrigerant and gases must be disposed of professionally. Ensure that tubing of the refrigerant circuit is not damaged prior to proper disposal.

## Scope of delivery

After unpacking all parts, check for any damage in transit.

If you have any complaints, please contact the dealer from whom you purchased the appliance or our customer service.

The delivery consists of the following parts:

- Free-standing appliance
- Interior fittings (depending on model)
- Bag containing installation materials
- Operating instructions
- Installation manual
- Customer service booklet
- Warranty enclosure
- Information on the energy consumption and noises

## Installation location

A dry, well ventilated room is suitable as an installation location. The installation location should not be exposed to direct sunlight and not placed near a heat source, e.g. a cooker, radiator, etc. If installation next to a heat source is unavoidable, use a suitable insulating plate or observe the following minimum distances from the heat source:

- 3 cm to electric or gas cookers.
- 30 cm to an oil or coal-fired cooker.

The floor of the installation location must not give way; if required, reinforce floor. If the floor is uneven, compensate with supports.

### Distance from wall

When installing the appliance, ensure that the door can be opened by 90°.

## Ambient temperature and ventilation

### Ambient temperature

The appliance is designed for a specific climate class. Depending on the climate class, the appliance can be operated at the following temperatures.

The climate class can be found on the rating plate. Fig. 14

Climate class	Permitted ambient temperature
<b>SN</b>	+10 °C to 32 °C
<b>N</b>	+16 °C to 32 °C
<b>ST</b>	+16 °C to 38 °C
<b>T</b>	+16 °C to 43 °C

### Note

The appliance is fully functional within the room temperature limits of the indicated climatic class. If an appliance of climatic class SN is operated at colder room temperatures, the appliance will not be damaged up to a temperature of +5 °C.

### Ventilation

Fig. 2

The air on the rear panel and on the side panels of the appliance heats up. Conduction of the heated air must not be obstructed. Otherwise, the refrigerating unit must work harder. This increases power consumption. Therefore: Never cover or block the ventilation openings!

## Connecting the appliance

After installing the appliance, wait at least 1 hour until the appliance is switched on. During transportation the oil in the compressor may have flowed into the refrigeration system.

Before switching on the appliance for the first time, clean the interior of the appliance (see chapter "Cleaning the appliance").

## Electrical connection

The socket must be near the appliance and also freely accessible following installation of the appliance.

The appliance complies with the protection class I. Connect the appliance to 220–240 V/50 Hz alternating current via a correctly installed socket with protective conductor. The socket must be fused with a 10 to 16 A fuse.

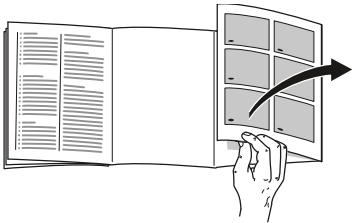
For appliances operated in non-European countries, check whether the stated voltage and current type match the values of your mains supply. This information can be found on the rating plate. Fig. 14

### Warning

Never connect the appliance to electronic energy saver plugs.

Our appliances can be used with mains and sine-controlled inverters. Mains-controlled inverters are used for photovoltaic systems which are connected directly to the national grid. Sine-controlled inverters must be used for isolated applications (e.g. on ships or in mountain lodges) which are not connected directly to the national grid.

## Getting to know your appliance



Please fold out the illustrated last page. These operating instructions refer to several models.

The features of the models may vary.

The diagrams may differ.

Fig. 1

\* Not all models.

- A Refrigerator compartment
- B Freezer compartment

- 1–15 Controls
- 16\* Butter and cheese compartment
- 17 Shelf for small bottles
- 18 Shelf for large bottles
- 19 Light (LED)
- 20\* Bottle shelf
- 21\* Breakfast set
- 22 Cold storage compartment
- 23 Vegetable container with humidity control
- 24\* Frozen food container



## Controls

Fig. 4

- 1 **Temperature display freezer compartment**  
The numbers correspond to the set freezer compartment temperatures in °C.
- 2 **Display – ALARM –**  
This lights up if the freezer compartment is too warm.
- 3 **Display superfreeze**  
This lights up if super freezing is in operation.
- 4 **Display freshness mode**  
This lights up when the freshness mode is switched on.
- 5 **Eco mode indicator**  
This lights up when the eco mode is switched on.
- 6 **Display – ALARM –**  
This lights up if the fridge compartment becomes too warm.
- 7 **Temperature display refrigerator compartment**  
The numbers correspond to the set refrigerator compartment temperatures in °C.
- 8 **Display supercool**  
This lights up if super cooling is in operation.
- 9 **Display vacation mode**  
This lights up when the vacation mode is switched on.
- 10 **Button “lock” function**  
If this function is switched on, no settings are possible via the controls.

- 11 **Button lock/alarm off**  
This button is used to
  - switch off the audible warning signal (see section "Alarm function")
  - Switch the button lock on and off.
- 12 **Setting buttons +/-**  
The buttons are used to set the temperatures of the refrigerator and freezer compartment.
- 13 **°C button to select a section**  
Used to select a section. This is necessary to change its temperature or to switch on certain special functions.
- 14 **Super button**  
Used to switch on the functions supercool (fridge compartment) and superfreeze (freezer compartment).
- 15 **Button mode**  
Selecting the special functions.

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## Switching on the appliance

1. First insert the plug into the connection on the back of the appliance. Check that the plug has been inserted all the way.
2. Then insert the other end of the cable into the socket.

The appliance is now switched on and a warning signal sounds.

Press the lock/alarm off button to switch off the audible warning signal.

The – ALARM – display goes out when the appliance has reached the set temperature.

The preset temperatures are reached after several hours. Do not put any food in the appliance beforehand.

The factory has recommended the following temperatures:

- Freezer compartment: -18 °C
- Refrigerator compartment: +4 °C

## Operating tips

- After the appliance has been switched on, it may take several hours until the set temperatures have been reached.
- The fully automatic NoFrost system ensures that the freezer section remains free of ice. Defrosting is no longer required.
- If the door cannot be immediately re-opened after it has been closed, wait until the resulting low pressure has equalised.
- The front and side panels of the housing are partly heated slightly. This prevents condensation from forming.

## Setting the temperature

Fig. 4

### Refrigerator section

The temperature can be set from +2°C to +8°C.

1. Select the refrigerator section using the °C button.
2. Keep pressing the +/- buttons until the required temperature is indicated.

Perishable food should not be stored above +4 °C.

### Freezer compartment

The temperature can be set from -16°C to -24°C.

1. Select the freezer compartment using the °C button.
2. Keep pressing the +/- buttons until the required temperature is indicated.

## Special functions

Fig. 4

### Fresh mode

Fresh mode gives food an even longer shelf life.

#### Switching on:

Press the mode button until the freshness mode display appears.

The appliance automatically sets the following temperatures:

- Refrigerator section: + 2°C
- Freezer section: remains unchanged

#### Switching off:

Press the mode button repeatedly until the freshness mode display goes off.

### Eco mode

Eco mode switches the appliance to energy-saving operation.

#### Switching on:

Press the mode button until the "eco mode" indicator appears.

The appliance automatically sets the following temperatures:

- Refrigerator section: +8°C
- Freezer section: -16°C

#### Switching off:

Press the mode button until the "eco mode" indicator goes off.

## Holiday mode

If leaving the appliance for a long period of time, you can switch the appliance over to the energy-saving holiday mode.

The temperature of the refrigerator compartment is automatically switched to +14 °C.

Do not store any food in the refrigerator compartment during this time.

### Switching on:

Press the mode button repeatedly until the vacation mode display appears.

The appliance automatically sets the following temperatures:


- Refrigerator section: +14°C
- Freezer compartment: remains unchanged

### Switching off:

Press the mode button repeatedly until the vacation mode display goes off.

## Button lock function

To switch the button lock on and off, press the lock/alarm off button for 5 seconds.

When the function is switched on, the  display lights up.

The control panel is now protected against unintentional operation.

### Exception to the button lock:

The lock/alarm off button can be pressed to switch off the button lock or if an audible warning signal sounds.

## sabbath mode

When sabbath mode is switched on, the following settings are switched off:

- Audible signals
- Interior lighting
- Messages on the display panel

- The background illumination of the display panel is reduced
- Buttons are locked

### Switching **sabbath mode on and off:**

Press the super button for 15 seconds.

## Alarm function

In the following cases an alarm may be actuated.

### Door alarm

The door alarm (continuous signal) switches on if the appliance is left open for too long and – ALARM – appears 7 in the refrigerator section temperature display. Close the appliance to switch the door alarm off again.

### Temperature alarm

An interval tone sounds, – ALARM – appears on the temperature display of the freezer compartment 1.

The temperature alarm switches on if the freezer compartment is too warm and the frozen food is at risk of thawing.

The alarm may switch on without any risk to the frozen food in the following instances:

- when switching on the appliance for initial use.
- when large quantities of fresh food are placed in the appliance.

### Note

Do not refreeze thawing or thawed food. Only ready meals (boiled or fried) may be refrozen.

No longer store the frozen produce for the max. storage period.

The temperature display indicates for 5 seconds the warmest temperature which was reached in the freezer compartment. Then the set temperature is displayed again.

## Switching off the alarm

Press the lock/alarm off button to switch off the audible warning signal.

---

## HomeConnect

This appliance is Wi-Fi-capable and can be remotely controlled using a mobile device.

### Note

Wi-Fi is a registered trade mark of the Wi-Fi Alliance.

If the appliance is not connected to the home network, the appliance functions like a refrigerator without a network connection, and can still be manually operated via the controls.

In order to use the HomeConnect functions, connect the appliance with a HomeConnect Wi-Fi dongle.

If there is no HomeConnect Wi-Fi dongle included with your appliance, you can order this from customer service.

### Note

Inserting and removing the plug on the rear side of the appliance is more difficult than expected. Ensure that the plug is completely plugged in.

Attach the HomeConnect Wi-Fi dongle at a height of 1 metre.

## Notes

- Please observe the safety instructions and warnings in these instructions for use and ensure that these are also adhered to when you are operating the appliance using the HomeConnect app and are not at home (see the section on safety instructions and warnings).  
Follow the instructions in the HomeConnect app as well.
- The operation on the appliance always has priority over operation via the HomeConnect app. During this time, it is not possible to operate the appliance using the app.

## Setting up HomeConnect

### Notes

- Observe the Home Connect supplementary sheet, which is available for download under <http://www.bosch-home.com> with the instructions. To do so, enter the E-number of your appliance in the search field.
- To implement settings with HomeConnect, the HomeConnect app must be installed on your mobile device. Observe the supplied HomeConnect documents for this. Follow the steps specified by the app to implement the settings.
- If the appliance is not operated for a long time, the HomeConnect menu closes automatically. You can find information on how to open the HomeConnect menu at the start of the appropriate sections.

## Automatic connection with the home network (WLAN)

If a WLAN router with WPS function is available, you can automatically connect the refrigerator to the home network.

1. Press the **super** button and the **lock/ alarm off** button simultaneously to open the HomeConnect menu.

The display shows **Cn**.

### Note

Press both buttons at exactly the same time. Button operation is locked if only the **lock/ alarm off** button is pressed for a longer period. Press the **lock/ alarm off** button again until the lock is deactivated.

2. Press the **°C** button repeatedly until the displays **AC** and **oF** are shown.
3. Press the **+** button.

The appliance is ready for automatic connection.

The display shows an animation for 2 minutes.

Follow the steps below during this period.

4. Activate the WPS function on the home network router (e.g. using the WPS/WLAN button; information on this topic can be found in the router documentation).

- If the connection is successful, **on** flashes in the refrigerator display.

You can now connect the refrigerator with the app.

- If the display shows **oF**, it was not possible to establish a connection.

Check whether the refrigerator is located within the range of the home network (WLAN).

Repeat the process or establish the connection manually.

## Manual connection with the home network (WLAN)

If the WLAN router present does not have a WPS function, or if this is unknown, you can manually connect the refrigerator with the home network.

1. Press the **super** button and the **lock/ alarm off** button simultaneously to open the HomeConnect menu.

The display shows **Cn**.

### Note

Press both buttons at exactly the same time. Button operation is locked if only the **lock/ alarm off** button is pressed for a longer period. Press the **lock/ alarm off** button again until the lock is deactivated.

2. Press the **°C** button repeatedly until the displays **SA** and **oF** are shown.
3. Press the **+** button.

The appliance is ready for manual connection.

The display shows an animation for 5 minutes.

Follow the steps below during this period.

4. The refrigerator has now set up its own WLAN network with the network name **HomeConnect**.

You can now access this network with your mobile device.

5. Open the settings menu of the mobile device and call up the WLAN settings.
6. Connect the mobile device with the WLAN network **HomeConnect**.

Password: **HomeConnect**

It can take up to 60 seconds to establish the connection.

7. After successful connection, open the HomeConnect app on the mobile device.

The app will search for the refrigerator.

8. As soon as the refrigerator has been found, enter the network name (SSID) and the password (Key) of your own home network (WLAN) into the corresponding fields.

9. Confirm with the button **Transmit to domestic appliances**.

- If the connection is successful, **on** flashes in the refrigerator display.  
You can now connect the refrigerator with the app.
- If the display shows **oF**, it was not possible to establish a connection.  
Enter the password again, ensuring that it is spelt correctly.

Check whether the refrigerator is located within the range of the home network (WLAN).

Repeat the process.

### Connecting the refrigerator to the app

Once the connection between the refrigerator and the home network has been established, you can connect the refrigerator with the app.

1. Press the super button and the lock/alarm off button simultaneously to open the HomeConnect menu.

The display shows **Cn**.

#### Note

Press both buttons at exactly the same time. Button operation is locked if only the lock/alarm off button is pressed for a longer period. Press the lock/alarm off button again until the lock is deactivated.

2. Press the °C button repeatedly until the displays **PA** (pairing = connect with app) and **oF** are shown.

3. Press the + button to connect the appliance with the app.

The display shows an animation.

As soon as the refrigerator and the app are connected, the display shows **on**.

4. The refrigerator is displayed in the HomeConnect app on the mobile device. To add, select the refrigerator and add with the + button.

If the refrigerator is not automatically displayed, in the HomeConnect app first select **Search for domestic appliances** and then **Connect domestic appliance**.

5. Follow the instructions in the app until the process is complete.

- The display shows **PA** and **on**.

The refrigerator has been successfully connected to the app.

- If the connection has failed, please check whether the mobile device is connected to the home network (WLAN).

Finally connect the refrigerator again to the app.

- When the display shows **Er**, reset the HomeConnect settings and perform set-up again from the beginning.

### Verify signal strength

You should verify the signal strength if no connection can be established.

1. Press the super button and the lock/alarm off button simultaneously to open the HomeConnect menu.

The display shows **Cn**.

**Note**

Press both buttons at exactly the same time. Button operation is locked if only the lock/alarm off button is pressed for a longer period. Press the lock/alarm off button again until the lock is deactivated.

2. Press the °C button repeatedly until the display shows **SI**. In the second display, a value appears between 0 (no reception) and 3 (full reception).

**Note**

The signal strength should be at least 2. If the signal strength is too low, the connection could be interrupted. Place the router and the refrigerator closer together, ensure that the connection is not disturbed by shielding walls or install a repeater to strengthen the signal.

**Resetting HomeConnect settings**

If the connection process does not work or you would like to log the refrigerator on to a different home network (WLAN), you can reset the HomeConnect settings:

1. Press the super button and the lock/alarm off button simultaneously to open the HomeConnect menu.

The display shows **Cn**.

**Note**

Press both buttons at exactly the same time. Button operation is locked if only the lock/alarm off button is pressed for a longer period. Press the lock/alarm off button again until the lock is deactivated.

2. Press the °C button repeatedly until the displays **rE** and **oF** are shown.

3. Press the + button.

- The display shows a short animation and then again **oF**. The HomeConnect settings have been reset.
- If the display shows **Er**, start the reset again or call customer service.

**Information on data protection**

When your HomeConnect refrigerator is connected for the first time to a WLAN network that is connected to the Internet, your refrigerator transmits the following categories of data to the HomeConnect server (initial registration):

- Unique appliance identification (consisting of appliance codes as well as the MAC address of the installed Wi-Fi communication module).
- Security certificate of the Wi-Fi communication module (to ensure a secure IT connection).
- The current software and hardware version of your refrigerator.
- Status of any possible previous resetting to factory settings.

This initial registration prepares the HomeConnect functions for use and is required only when you want to use HomeConnect for the first time.

**Note**

Please note that the HomeConnect functions can only be utilized with the HomeConnect app. You can call up information on data protection in the HomeConnect app.

## Declaration of conformity

Robert Bosch Hausgeräte GmbH hereby declares that the appliance with HomeConnect functionality is in accordance with the basic requirements and the other relevant provisions of the directive 1999/5/EC.

A detailed R&TTE Declaration of Conformity can be found online at [www.bosch-home.com](http://www.bosch-home.com) among the additional documents on the product page for your appliance.



## Usable capacity

Information on the usable capacity can be found inside your appliance on the rating plate. Fig. 14

## Fully utilising the freezer volume

To place the maximum amount of frozen food in the freezer compartment, you can remove the containers. You can then stack the food directly on the shelf and on the floor of the freezer compartment.

### Note

Avoid contact between food and rear panel. Otherwise the air circulation will be impaired.

Food or packaging could freeze to the rear panel.

## Removing the fittings

Pull out the frozen food container all the way, lift at the front and remove. Fig. 10

## Refrigerator compartment

The refrigerator compartment is the ideal storage location for meat, sausage, fish, dairy products, eggs, ready meals and pastries.

## Storing food

- Store fresh, undamaged food. The quality and freshness will then be retained for longer.
- In the case of ready-made products and bottled goods, observe the best-before date or use-by date specified by the manufacturer.
- To retain aroma, colour and freshness, pack or cover food well before placing in the appliance. This will prevent the transfer of flavours and the discolouration of plastic parts in the refrigerator compartment.
- Allow warm food and drinks to cool down before placing in the appliance.

### Note

Do not block air outlet openings with food, otherwise the air circulation will be impaired. Food which is stored directly in front of the air outlet openings may be frozen by the cold air flowing out.



## Note the chill zones in the refrigerator compartment

The air circulation in the refrigerator compartment creates different chill zones:

- The coldest zones are in front of the air outlet openings and in the chill compartment, Fig. **1**/22.

### Note

Store perishable food (e.g. fish, sausage, meat) in the coldest zones.

- Warmest zone is at the very top of the door.

### Note

Store e.g. hard cheese and butter in the warmest zone. The aroma of hard cheese can then continue to develop and butter remains spreadable.

## Vegetable container with humidity control

Fig. **8**

To create the optimum storage climate for fruit and vegetables, you can set the humidity level in the vegetable container:

- Mainly vegetables as well as for a mixed or small load – high air humidity
- Mainly fruit as well as for a large load – low air humidity

## Notes

- Fruit sensitive to cold (e.g. pineapple, banana, papaya and citrus fruit) and vegetables sensitive to cold (e.g. aubergines, cucumbers, zucchini, peppers, tomatoes and potatoes) should be stored outside the refrigerator at temperatures of approx. +8 °C to +12 °C for optimum preservation of quality and flavour.
- Condensation may form in the vegetable container depending on the type and quantity of products stored. Remove condensation with a dry cloth and adjust air humidity in the vegetable container with the humidity controller.

## Cold storage compartment

Fig. **9**

The cold storage compartment has lower temperatures than the refrigerator compartment. Even temperatures below 0 °C may occur.

Ideal for storing fish, meat and sausage. Not suitable for lettuce and vegetables and produce sensitive to cold.

The temperature of the chill compartments can be varied using the ventilation opening. Push temperature controller upwards to reduce the temperature. Push temperature controller downwards to increase the temperature. Fig. **7**

---

## Super cooling

Super cooling sets the refrigerator temperature to the coldest temperature setting for approx. 6 hours. Then the appliance automatically switches to the temperature set prior to super cooling mode.

Switch on super cooling mode, e.g.

- before placing large quantities of food in the refrigerator compartment.
- for the fast cooling of drinks.

## Switching on and off

Fig. 4

1. Select the refrigerator section using the °C button.
2. Press the super button until the supercool display lights up.

You do not need to switch off super cooling. After 6 hours, the previously set temperature is automatically restored.

### Note

When super cooling is switched on, increased operating noises may occur.

---

## Freezer compartment

### Use the freezer compartment

- To store deep-frozen food.
- To make ice cubes.
- To freeze food.

### Note

Ensure that the freezer compartment door has been closed properly. If the door is open, the frozen food will thaw. The freezer compartment will become covered in thick ice. Also: waste of energy due to high power consumption!

---

## Max. freezing capacity

Information about the max. freezing capacity within 24 hours can be found on the rating plate. Fig. 14

### Prerequisites for max. freezing capacity

- Switch on super freezing before placing fresh products in the compartment (see chapter entitled "Super freezing").
- Remove containers; stack food directly on the shelf and on the floor of the freezer compartment.
- Freeze large quantities of food preferably in the very top compartment where food freezes particularly quickly and therefore also gently.

## Freezing and storing food

### Purchasing frozen food

- Packaging must not be damaged.
- Use by the “use by” date.
- Temperature in the supermarket freezer must be -18 °C or lower.
- If possible, transport deep-frozen food in an insulated bag and place quickly in the freezer compartment.

### Note when loading products

- Preferably freeze large quantities of food in the top compartment, where food freezes particularly quickly and therefore also gently.
- Place the food over the whole area of the compartments or the frozen food containers.

#### Note

Food which is already frozen must not come into contact with the food which is to be frozen. If required, move the frozen food to other frozen food containers.

### Storing frozen food

Insert frozen food container all the way to ensure unrestricted air circulation.

## Freezing fresh food

Freeze fresh and undamaged food only.

To retain the best possible nutritional value, flavour and colour, vegetables should be blanched before freezing. Aubergines, peppers, zucchini and asparagus do not require blanching.

Literature on freezing and blanching can be found in bookshops.

#### Note

Keep food which is to be frozen away from food which is already frozen.

- The following foods are suitable for freezing:  
Cakes and pastries, fish and seafood, meat, game, poultry, vegetables, fruit, herbs, eggs without shells, dairy products such as cheese, butter and quark, ready meals and leftovers such as soups, stews, cooked meat and fish, potato dishes, soufflés and desserts.
- The following foods are not suitable for freezing:  
Types of vegetables, which are usually consumed raw, such as lettuce or radishes, eggs in shells, grapes, whole apples, pears and peaches, hard-boiled eggs, yoghurt, soured milk, sour cream, crème fraîche and mayonnaise.

### Packing frozen food

To prevent food from losing its flavour or drying out, place in airtight containers.

1. Place food in packaging.
2. Remove air.
3. Seal the wrapping.
4. Label packaging with contents and date of freezing.

**Suitable packaging:**

Cling wrap, tubular film made of polyethylene, aluminium foil, freezer containers.

These products are available from specialist outlets.

**Unsuitable packaging:**

Wrapping paper, greaseproof paper, cellophane, bin liners and used shopping bags.

**Items suitable for sealing packaged food:**

Rubber bands, plastic clips, string, cold-resistant adhesive tape, etc.

Bags and tubular film made of polyethylene (PE) can be sealed with a film heat sealer.

**Shelf life of frozen food**

Storage duration depends on the type of food.

At a temperature of -18 °C:

- Fish, sausage, ready meals and cakes and pastries:  
up to 6 months
- Cheese, poultry and meat:  
up to 8 months
- Vegetables and fruit:  
up to 12 months

**Super freezing**

Food should be frozen solid as quickly as possible in order to retain vitamins, nutritional value, appearance and flavour.

Several hours before placing fresh food in the freezer compartment, switch on super freezing to prevent an unwanted temperature rise.

As a rule, 4–6 hours is adequate.

This appliance runs constantly and the freezer compartment drops to a very low temperature.

If the max. freezing capacity is to be used, super freezing must be switched on for 24 hours before the fresh produce is placed in the freezer compartment.

Smaller quantities of food (up to 2 kg) can be frozen without “super freezing”.

**Note**

When super freezing is switched on, increased operating noises may occur.

**Switching on and off**

Fig. 4

1. Select the freezer section using the °C button.
2. Press the super button until the superfreeze display lights up.

You do not need to switch off super freezing. After approx. 2½ days, the previously set temperature is automatically restored.

**Thawing frozen food**

Depending on the type and application, select one of the following options:

- at room temperature
- in the refrigerator
- in an electric oven, with/without fan assisted hot-air
- in the microwave

**Caution**

Do not refreeze thawing or thawed food. Only ready meals (boiled or fried) may be refrozen.

No longer store the frozen produce for the max. storage period.

## Interior fittings

### Shelves and containers

You can reposition the inner shelves and the containers in the door as required: pull shelf forwards, lower and swivel out to the side. Lift the container and remove.

### Special features

(not all models)

#### Butter and cheese compartment

To open the butter compartment, gently press in the middle of the butter compartment flap.

To clean the compartment, lift it at the bottom and take out.

#### Breakfast set

Fig. 5

The containers for the breakfast set can be taken out and filled individually.

You can take out the breakfast set for loading and unloading. To do this, lift the breakfast set and pull out. The container holder can be moved.

#### Bottle shelf

Fig. 6

Bottles can be stored securely on the bottle shelf.

#### Ice cube tray

Fig. 13

1. Fill the ice cube tray  $\frac{3}{4}$  full of drinking water and place in the freezer compartment.
2. If the ice tray is stuck to the freezer compartment, loosen with a blunt implement only (spoon-handle).
3. To loosen the ice cubes, twist the ice tray slightly or hold briefly under flowing water.

### Freezer calendar

Fig. 12

To prevent the quality of the frozen food from deteriorating, do not exceed the storage duration. The figures next to the symbols indicate the permitted storage period of the produce in months. In the case of commercially available frozen food observe the date of manufacture or use-by date.

### Ice block

If a power failure or malfunction occurs, the ice blocks can be used to slow down the thawing process. The longest storage time is obtained by placing the ice pack on the food in the top compartment.

The ice blocks can also be used to cool food temporarily, e. g. in a cold bag.

## Sticker “OK”

(not all models)

The sticker “OK” lets you check whether the refrigerator compartment achieves the safe temperature ranges of +4 °C or colder recommended for food. If the sticker does not indicate “OK”, gradually reduce the temperature.

### Note

When the appliance is switched on, it may take up to 12 hours until the set temperature is reached.



### Correct setting

# Switching off and disconnecting the appliance

## Switching off the appliance

Press "+" button for 10 seconds.

Refrigeration unit switches off.

(Not all models).

## Disconnecting the appliance

If you do not use the appliance for a prolonged period:

1. Pull out the mains plug or switch off the fuse.
2. Clean the appliance.
3. Leave appliance doors open.

### Note

To avoid damage to the appliance, appliance doors must be opened far enough that they remain in that position on their own. Do not jam any objects into the door to prop it open.

# Cleaning the appliance

## Caution

- Do not use abrasive, chloride or acidic cleaning agents or solvents.
- Do not use scouring or abrasive sponges.  
The metallic surfaces could corrode.
- Never clean shelves and containers in the dishwasher.  
The parts may become deformed!

**The cleaning water must not get into the following areas:**

- Controls
- Illumination
- Ventilation openings
- Openings in the separating plate

## Proceed as follows:

1. Pull out the mains plug or switch off the fuse.
2. Take out the frozen food and store in a cool location. Place ice pack (if available) on the food.
3. The rinsing water must not drip into the controls, lighting, ventilation openings or the openings in the partition!  
Clean the appliance with a soft cloth, lukewarm water and a little pH-neutral washing-up liquid.
4. Wipe the door seal with clear water only and then wipe dry thoroughly.
5. After cleaning reconnect the appliance.
6. Put the frozen food back into the appliance.

## Interior fittings

All variable parts of the appliance can be taken out for cleaning.

### Take out shelves in the door

Fig. **3**

Lift shelves upwards and take out.

### Take out glass shelves

Pull the glass shelves forwards and take out.

**Removing the container**

Fig. 9

Pull out the container all the way, lift at the front and remove.

**Taking out the frozen food container**

Fig. 10

Pull out the frozen food container all the way, lift at the front and remove.

**Taking out glass shelf above vegetable container**

Fig. 11

The glass shelf can be taken out and disassembled for cleaning.

**Note**

Before taking out the glass shelf, pull out vegetable container.

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## Light (LED)

Your appliance features a maintenance-free LED light.

These lights may be repaired by customer service or authorised technicians only.

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## Tips for saving energy

- Install the appliance in a dry, well ventilated room! The appliance should not be installed in direct sunlight or near a heat source (e.g. radiator, cooker).  
If required, use an insulating plate.
- Allow warm food and drinks to cool down before placing in the appliance.
- Thaw frozen food in the refrigerator compartment and use the low temperature of the frozen food to cool refrigerated food.
- Open the appliance as briefly as possible.
- To achieve the lowest energy consumption, leave a small wall gap at the side.
- The arrangement of the fittings does not affect the energy rating of the appliance.

# Operating noises

## Quite normal noises

### Droning

Motors are running (e.g. refrigerating units, fan).

### Bubbling, humming or gurgling noises

Refrigerant is flowing through the tubing.

### Clicking

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

### Cracking

Automatic defrosting is running.

## Preventing noises

### The appliance is not level

Please align the appliance with a spirit level. Use the height-adjustable feet or place packing underneath them.

### The appliance is not free-standing

Please move the appliance away from adjacent units or appliances.

### Containers or storage areas wobble or stick

Please check the removable parts and re-insert them correctly if required.

### Bottles or receptacles are touching each other

Move the bottles or receptacles slightly away from each other.

# Eliminating minor faults yourself

Before you call customer service:

Please check whether you can eliminate the fault yourself based on the following information.

Customer service will charge you for advice – even if the appliance is still under guarantee!

Fault	Possible cause	Remedial action
Temperature differs greatly from the set value.		In some cases it is adequate to switch off the appliance for 5 minutes.  If the temperature is too high wait a few hours and check whether the temperature has approached the set value.  If the temperature is too low check the temperature again the next day.
It is too cold in the refrigerator section or in the chill compartment.		Increase the temperature in the refrigerator section.  Push temperature controller for the chill compartment downwards. Fig. 7



<b>Fault</b>	<b>Possible cause</b>	<b>Remedial action</b>
The temperature in the freezer compartment is too warm.	Appliance opened frequently.	Do not open the appliance unnecessarily.
	The ventilation openings have been covered.	Remove obstacles.
	Large quantities of fresh food are being frozen.	Do not exceed max. freezing capacity.
Appliance is not cooling, temperature display and light are lit.	Showroom mode is switched on.	Press and hold the °C button and the setting button + for 5 seconds until a confirmation tone sounds.  After a short time, check whether your appliance is cooling.
The side panels of the appliance are warm.	Pipes run into the side panels which heat during the cooling process.	That is normal behaviour for the appliance and not a fault.  Furniture touching the appliance will not be damaged by the heat.
The light does not function.	The LED light is defective.	See chapter “Light (LED)” section.
	Appliance was open too long.	When the appliance is closed and opened, the light is on again.
	Light is switched off after approx. 10 min.	
Displays do not illuminate.	Power failure; the fuse has been switched off; the mains plug has not been inserted properly.	Connect mains plug. Check whether the power is on, check the fuses.

Fault	Possible cause	Remedial action
Freezer compartment door was open for a long time; temperature is no longer reached.	The evaporator (refrigeration generator) in the NoFrost system is covered in thick ice and can no longer be defrosted fully automatically.	<p>To defrost the evaporator, remove the frozen food with the compartments, insulate well and store in a cool location.</p> <p>Switch off the appliance and move it away from the wall. Leave the appliance door open.</p> <p>After approx. 20 min. the condensation begins to run into the evaporation pan, at the rear of the appliance.</p> <p>To prevent the evaporation pan from overflowing in this case, mop up the condensation with a sponge.</p> <p>The evaporator is defrosted when the water stops running into the evaporation pan. Clean the interior. Switch the appliance back on again.</p>

## Appliance self-test

Your appliance features an automatic self-test program which shows you sources of faults which may be repaired by customer service only.

### Starting the appliance self-test

1. Switch off the appliance and wait 5 minutes.
2. Switch on the appliance and within the first 10 seconds, press and hold the °C button and the "-" setting button for 3–5 seconds until an audible signal sounds.

The self-test programme starts.

When the self-test ends and an audible signal sounds twice, your appliance is in working order.

If 5 audible signals sound, there is an error. Inform customer service.

### Ending the appliance self-test

When the programme has ended, the appliance switches over to normal operation.

## Customer service

Your local customer service can be found in the telephone directory or in the customer-service index. Please provide customer service with the appliance product number (E-Nr.) and production number (FD-Nr.).

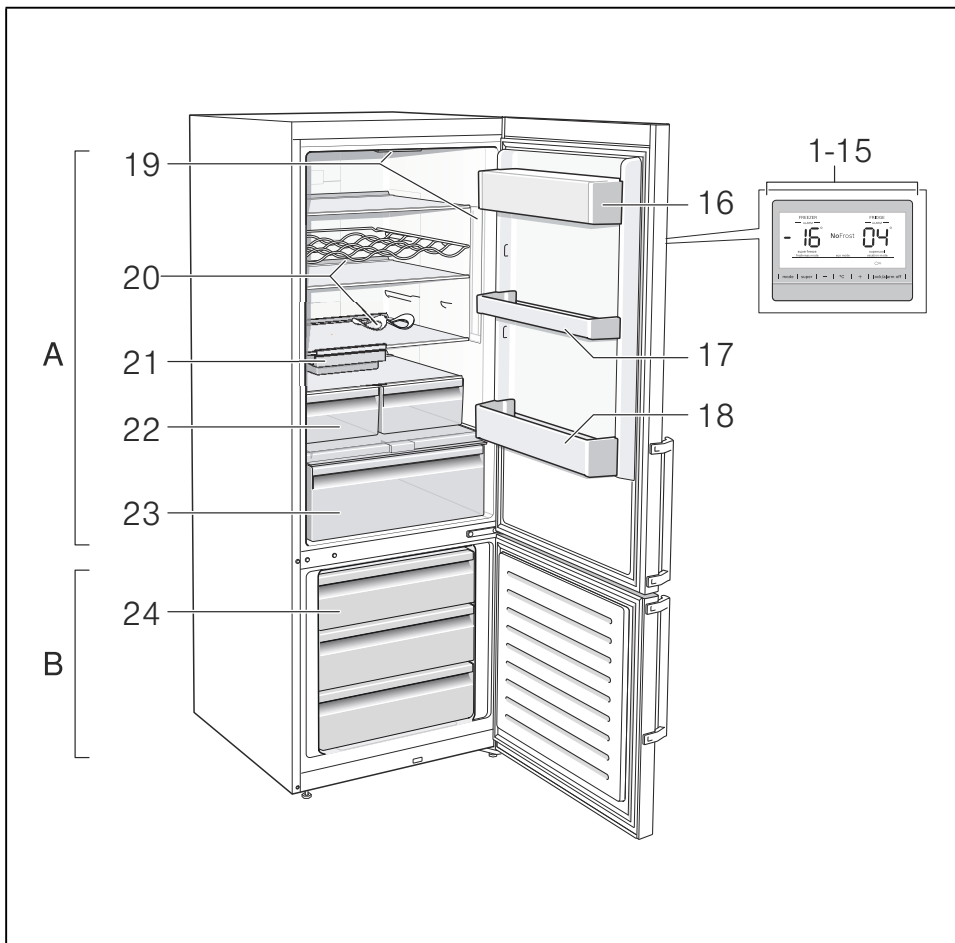
This information can be found on the rating plate. Fig. 14

To prevent unnecessary call-outs, please assist customer service by quoting the product and production numbers. This will save you additional costs.

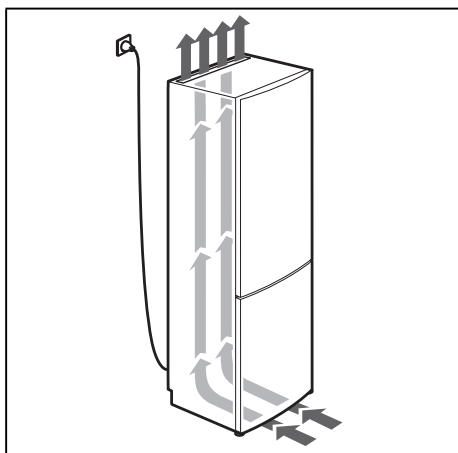
### Repair order and advice on faults

Contact information for all countries can be found on the enclosed customer service list.

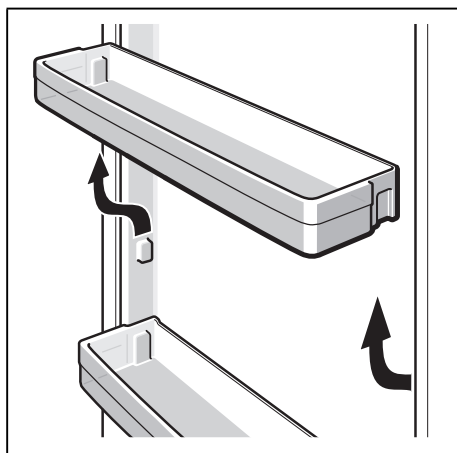
GB	0344 892 8979	Calls charged at local or mobile rate.
IE	01450 2655	0.03 € per minute at peak. Off peak 0.0088 € per minute.
US	800 944 2904	toll-free



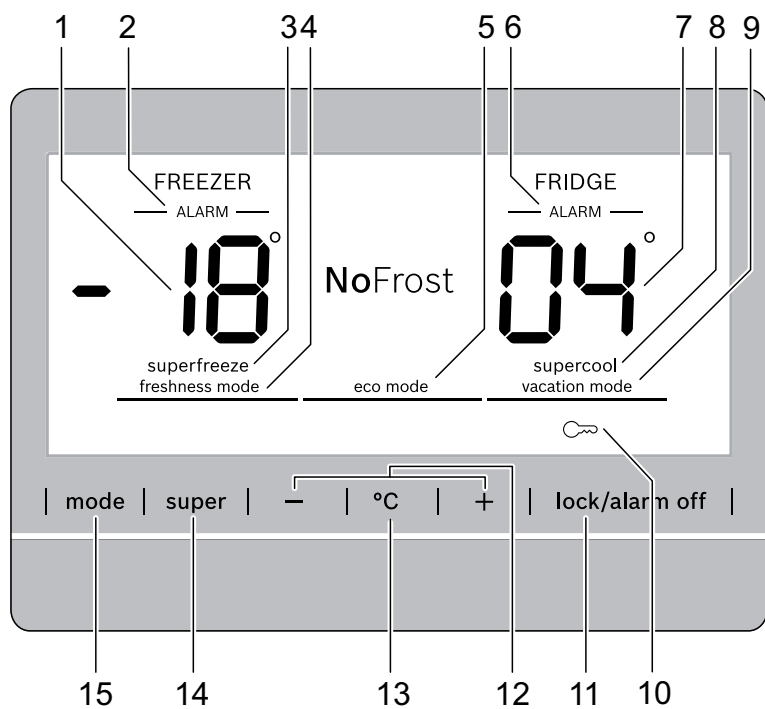
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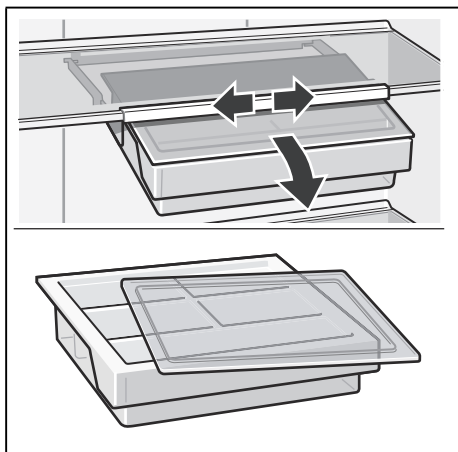
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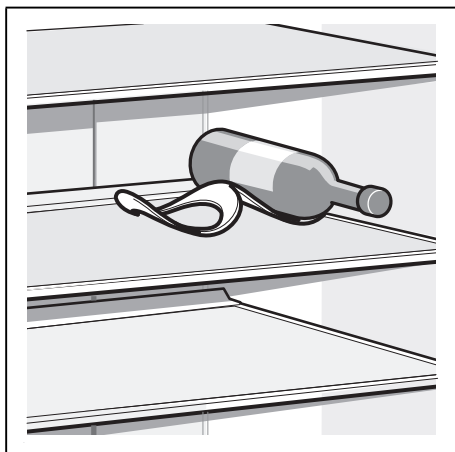
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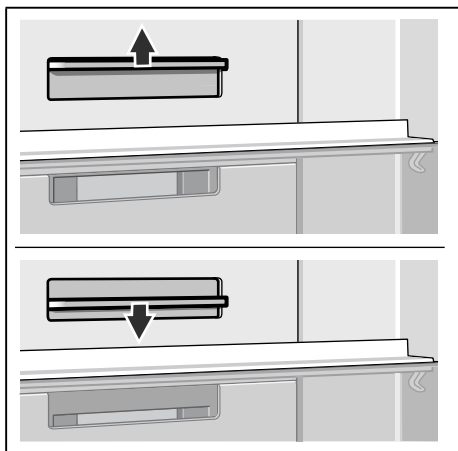
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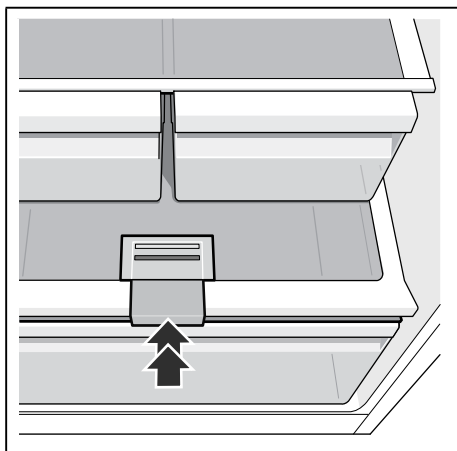
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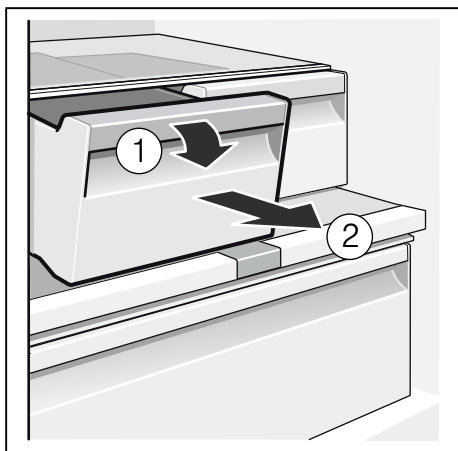
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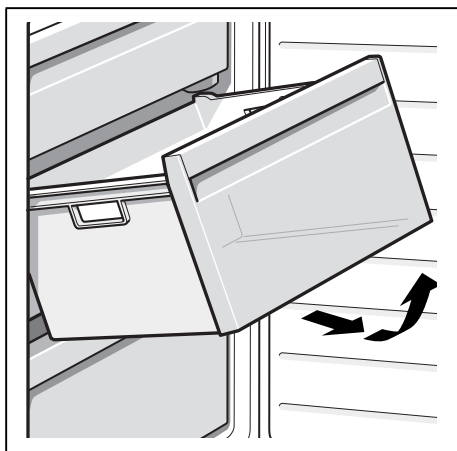
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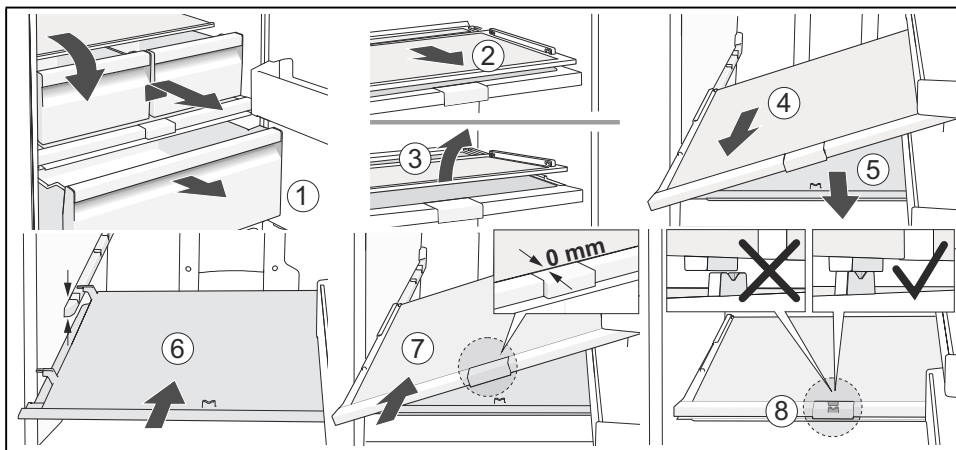
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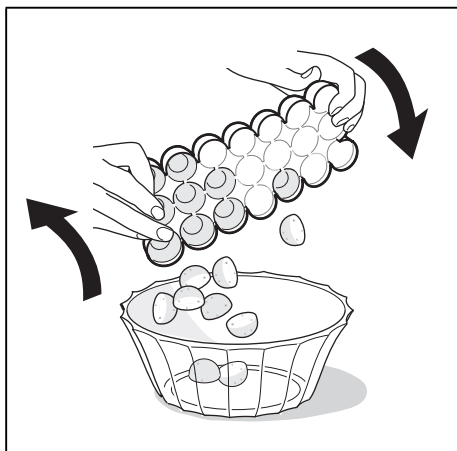
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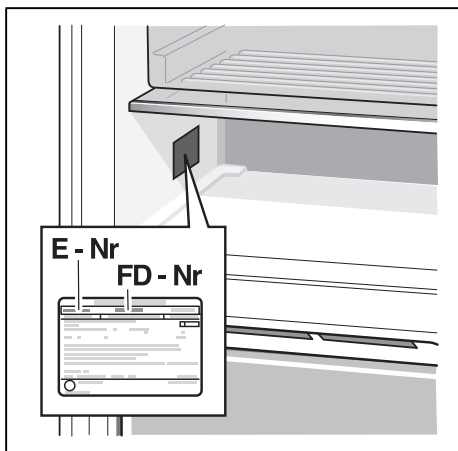
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12



13



14

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