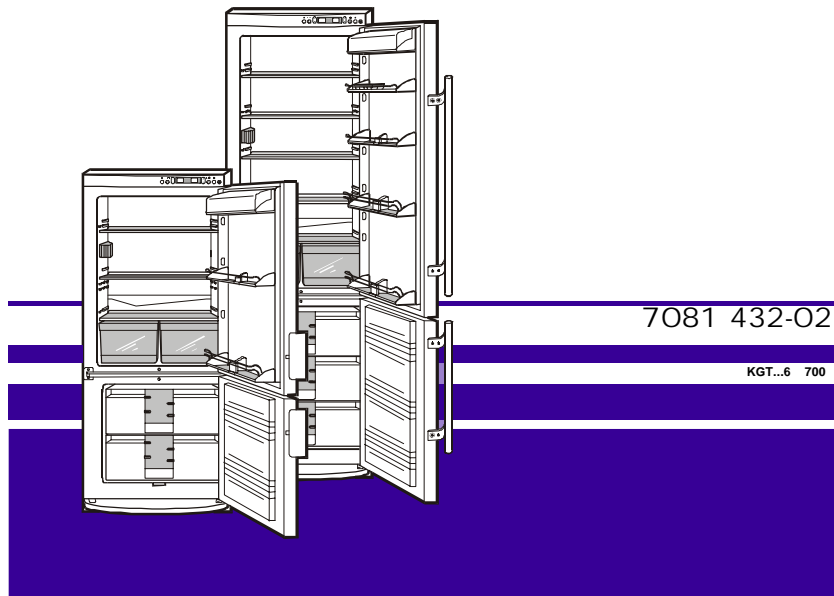


Operating instructions
for combined refrigerator-freezers

GB

English
Operating instructions
for combined refrigerator-freezers
with electronic controls

Pages 14 - 25 **GB**

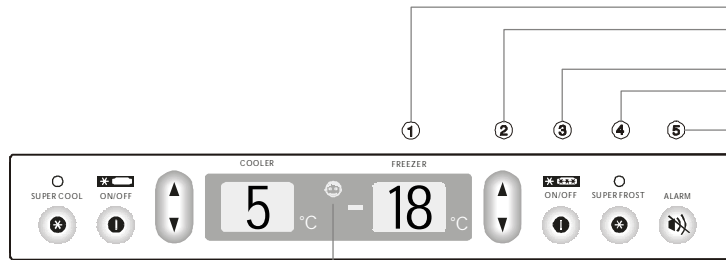


The appliance at a glance - instructions in brief

Operating and control elements, fig. A1

Freezer

- ① Temperature display and setting display
- ② Temperature buttons: top button = higher, bottom button = lower
- ③ On/off button
- ④ Superfrost button with LED showing active function
- ⑤ Audible warning on/off button



Refrigerator

- ⑥ Child-proof lock (refrigerator and freezer display)
- ⑦ Temperature display and setting display
- ⑧ Temperature buttons: top button = higher, bottom button = lower
- ⑨ On/off button
- ⑩ Supercooling button with LED showing active function

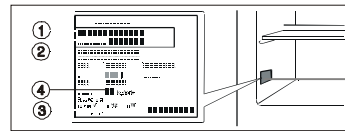
A1

Description of appliance and equipment

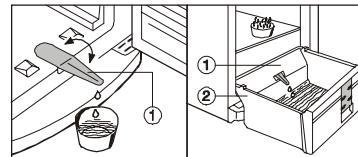
fig. A

Refrigerator, approx. 5° C

- Transport grips
- Operating and control elements
- Butter and cheese compartment
- Egg tray*
- Interior light
- Adjustable bottle holder*
- Adjustable pull-out shelves*
- Defrost drain (refrigerator)
- Adjustable door racks
- Type/Data plate
- Vegetable, salad and fruit bins
- Door rack for large bottles and drinks
- Freezer, approx. -18° C
- Freezer tray*, cold-storage accumulator*
- Drawers with information system* showing drawer contents, storage time and month of consumption
- Ice-cube tray/bottle*
- Defrost drain (freezer)
- Adjustable-height feet, transport grips, transport castors at back



A2



A3

A4

A

Child-proof lock ⑥

Prevents the appliance from being switched off accidentally.



2. | 3 sec | 1.

- Hold down the audible warning on/off button and then press the Superfrost button and keep both buttons pressed for about 3 seconds. A short double beep will sound and the display ⑥ will light up; the child-proof lock is now active.
- To switch off: press this key combination again; the display will go off.

Supercooling

For fast cooling of food in refrigerator:

- Press the Supercooling button ⑩ briefly so that the LED comes on; the function is now switched on.
- Switches off automatically after approx. 6 hours.

Superfrost

For fast freezing of fresh food:

- Press the Superfrost button ④ briefly so that the LED comes on.
- The freezer will take approx. 6 - 24 hours to reach its lowest temperature.
- Place the fresh food in the top drawers.
- The Superfrost function is switched off as required. The freezer will switch back automatically to normal operation.

"frost-control" display

This means that the freezing temperature has risen too high during the last few hours or days due to a power failure. Check the quality of the food.

Information system*

The symbols have the following signification:

Symbol	Name
	soup, pre-cooked meals
	ice-cream
	cheese
	bread
	vegetables
	fruit
	sausages
	fish
	poultry
	pork
	game
	beef/veal
	mushrooms

Set the information system on the drawer to the type of food and month of consumption.

* Depending on model and options

Congratulations on your purchase. In choosing this appliance you have opted for all the benefits of state-of-the-art refrigeration technology, guaranteeing you top quality, a long life span and excellent reliability.

The features on your appliance have been designed to ensure maximum convenience - day in, day out.

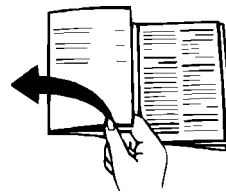
This appliance has been manufactured with recyclable materials using an environmentally friendly process, so together you and we are making an active contribution to the preservation of our environment.

To get to know all the benefits of your new appliance, please read the information contained in these operating instructions carefully.

We wish you much pleasure with your new appliance.

Additional benefits

- ▶ CFC- and HFC-free
- ▶ Easy to use - intelligent electronic controls
- ▶ Temperature controlled within the temperature range regardless of the ambient temperature
- ▶ Two optimised refrigerant circuits
- ▶ Refrigerator and freezer can be adjusted separately
- ▶ Efficient insulation
- ▶ Low energy consumption
- ▶ Integrated transport grips
- ▶ Transport castors at back
- ▶ Door handle with integrated opening mechanism
- ▶ Big net refrigerator capacity
- ▶ Big net freezer capacity
- ▶ Variable, practical features
- ▶ Freezer temperature increase alarm
- ▶ Power failure/"frost-control" display
- ▶ Fresh food can be fast-frozen as required
- ▶ All drawers suitable for fast freezing
- ▶ Automatic defrosting in refrigerator
- ▶ Defrost drain device in freezer
- ▶ Easy to clean
- ▶ Door hinges can be changed over
- ▶ Decor frames available*



Before reading, please fold out and refer to the illustrated front page.

Keep these operating instructions in a safe place and pass them on to the next owner, where applicable.

GB

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1 Safety instructions and warnings

The **packaging** is designed to protect the appliance and individual components during transport and is made of recyclable materials.

- Corrugated board/board
- Moulded polystyrene (foamed, CFC-free polystyrene)
- Polythene bags and sheets
- Polypropylene straps

- **Keep packaging materials away from children - polythene sheets and bags can suffocate!**
- Please return the packaging material to your nearest official collection point so that the various materials can be reused or recycled as far as possible.

Your old appliance:

This contains some reusable materials and should not simply be disposed of with household or bulk refuse.

- Disable discarded appliances immediately by removing the plug and cutting through the connection cable.
Remove the spring-action or bolt catch from the appliance or render it unusable so that children cannot become trapped inside and suffocate.
- Ensure that the refrigerant circuit is not damaged before the appliance that is no longer needed is taken away for disposal. In this way the refrigerant or oil will not escape into the environment.
- Exact details of the refrigerant used can be found on the type plate. The heat insulator is PU with Pentane.
- Information on collection dates or collection points can be obtained from the waste disposal authorities or local council.

Technical safety

- To prevent injury or damage to the unit, the appliance should only be transported wrapped and set up by two people.
- The refrigerant R 600a is environmentally friendly but flammable.
- Do not damage the refrigerant circuit pipes. Splashes of refrigerant can harm your eyes or ignite.
- If refrigerant escapes, remove all naked flames or sources of ignition in the vicinity of the leak, disconnect the appliance from the mains and ventilate the area well.
- In the event that the appliance is damaged, 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 (not by pulling on the mains cable) or switch off or remove the fuse.
- **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.

Safety during use



- 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 can identify such sprays by the printed contents or a flame symbol.
- Only store high-percentage alcohol in tightly sealed, upright containers.
- Do not allow naked flames or ignition sources to enter the appliance.
- Do not use electrical appliances inside the appliance (e.g. steam cleaners, heaters, ice makers, etc.).
- Do not stand on the plinth, drawers or doors or use them to support anything else.

- Do not let children play with the appliance, e.g. do not allow them to sit in the drawers or swing on the door.
- Do not eat ice-cream, particularly 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.

Setting up

- When setting up/fitting ensure that the refrigerant circuit pipes are not damaged.
- Screw the handles* onto the doors using the holes provided.
By fitting these parts yourself you will help to save on packaging material.*
- Once in position, use the 10 spanner provided to adjust the feet so that the appliance is level and does not wobble.
- Avoid positioning in direct sunlight or next to an oven, radiator or similar, in damp locations or near spraying water.
- **The ventilation grilles should not be obstructed. Always ensure that there is good ventilation and that the outward flowing air is able to escape.**
- More information can be found in the installation and modification instructions.
- Do not place heat-emitting appliances, e.g. microwave oven, toaster, etc., on top of the refrigerator or freezer.
- Remove the transport attachments on the shelves and insert at the desired height.

2 Operation and control elements

You are advised to clean the appliance before switching it on for the first time (see "Cleaning"). Switch on the appliance approx. 2 hours before loading it with frozen food for the first time. Do not load with frozen food until the temperature shows at least -18°C . The  refrigerator and  freezer compartments can be operated separately.

Switching the appliance on and off

fig. A1



- **Switching on:** Press the on/off buttons (9) on left for refrigerator, (3) on right for freezer) so that the temperature displays light up or flash.
 - *Refrigerator:* The interior light will light up when the door is open.
 - *Freezer:* The alarm will sound when the appliance is switched on for the first time and when the appliance is "warm". Press the alarm off button (5) to switch it off. See the "Audible warning signal" for more information.
- **Switching off:** Press the on/off buttons again so that the temperature displays go out.

Setting the temperature

fig. A1



- The appliance is pre-set for normal operation. We recommend temperatures of $+5^{\circ}\text{C}$ in the refrigerator and -18°C in the freezer.
- **To reduce the temperature:** Press the *bottom* button; (8) on left for refrigerator and (2) on right for freezer.
 - **To increase the temperature:** Press the *top* button.
- While you are entering the temperature, the **set temperature will flash** on the display.
 - When you press the temperature setting buttons for the first time, the *most recent setting* (known as the "reference setting") is displayed.
 - You can change the settings in increments of 1°C by briefly pressing the buttons again. If the buttons are held down the temperature setting will change faster.
 - Approximately 5 seconds after the button has been released, the display will automatically show the *actual* freezing or cooling temperature (known as the "actual setting").
 - You can change the temperatures
 - in the refrigerator:* between 11° and 2°C and
 - in the freezer:* between -14° and -28°C .Whether you can obtain the lowest temperature depends on where the appliance is positioned (if it is located in an area with a high ambient temperature it will not reach the lowest temperature).

Child-proof lock

fig. A1



The child-proof lock is designed to protect the appliance from being switched off accidentally.

- **Switching on the child-proof lock:** Hold down the audible warning on/off button (5) and then press the Superfrost button (4), and keep both buttons pressed simultaneously for approx. 3 seconds.
 - A double beep confirms your entry.
 - *The LED (6) will come on.*
- **Switching off:** Press this key combination again; the LED (6) will now go out.

Temperature display

fig. A1



In normal operation, the following settings will be displayed:

- the *average refrigerator temperature* in display (7) and
- the *warmest frozen food temperature* in display (1).

When starting up for the first time or when the appliance is warm, *dashes* will appear until the temperature reaches a level that can be displayed (19° to 0°C in the refrigerator and below 0°C in the freezer).

The display will *flash*:

- if you change the temperature or
- if the temperature rises by several degrees, indicating cold loss, e.g. if you place fresh, "warm" food in the freezer or if you remove or re-pack frozen food the temperature may rise for a short time due to warm air flowing into the freezer. Once you have finished loading or re-packing, the electronics will automatically re-set the temperature to the most recent setting. Short-term rises in temperature will not affect the frozen food.
- If "F1" to "F5" appears in the display, the appliance has a fault. Consult the customer service department indicating the fault number displayed as this will tell the technician what kind of irregularity has occurred.

Display brightness

Your appliance is delivered with the display brightness set to low.

When the door is opened or the temperature settings changed, the display automatically switches to bright for one minute, or as long as the alarm state lasts.

You can change the brightness if required, fig. A1:

- **To make display brighter:** Keep the audible warning on/off button pressed and press button (2) (increase temperature in freezer) simultaneously.
- **To make display darker:** Keep the audible warning on/off button pressed and press button (2) (reduce temperature in freezer) simultaneously.

GB

2 Operation and control elements

Audible warning signal

fig. A1

ALARM



The audible warning signal helps to protect frozen food and to save energy.

- The audible warning device is switched off by pressing the audible warning on/off button ⑤.
 - It switches off automatically as soon as the temperature is low enough.
 - It always sounds if the freezer temperature is not low enough (dependent on the temperature setting).
 - The *temperature display flashes* at the same time.

This can be caused by:

- warm, fresh food being placed in the freezer,
- too much warm air from the outside entering when re-arranging or removing frozen food.

The temperature display will continue to *flash* until the cause of the alarm has been rectified. It will then stop flashing and light up continually. The audible warning signal is now automatically *reset*.

Supercooling

fig. A1

SUPER COOL



The Supercooling button switches the refrigerator compartment to maximum cooling.

It is recommended particularly if you wish to cool *large* quantities of food, drinks, freshly baked cakes or meals rapidly.

- **Switching on Supercooling:** Press the Supercooling button ⑩ briefly so that the LED comes on.
 - The refrigerator temperature will drop to its lowest value (dependent on the room temperature).

Note:

The Supercooling function uses slightly more energy. After approx. 6 hours, however, the refrigerator switches back *automatically* to normal energy-saving operation.

If required, the Supercooling function can be switched off sooner.

- **Switching off:** Press the Supercooling button again so that the LED goes out.

Power failure/"frost-control" display

nR

fig. A1

If **nR** appears in the display, this means that the freezer temperature has risen too *high* during the last few hours or days due to a power failure.

Once the power is re-instated, the appliance will continue to operate at the most recent temperature setting.

- If you press the audible warning on/off button ⑤ whilst the display is reading **nR**, the *highest* temperature registered during the power failure will be displayed.

Check the quality of the food and its suitability for consumption in case it has become too warm or even defrosted.

The highest temperature will appear for approx. 1 minute. After that, the actual temperature in the freezer will re-appear. The display can be switched off by repeatedly pressing the audible warning on/off button.

3 Refrigerator compartment

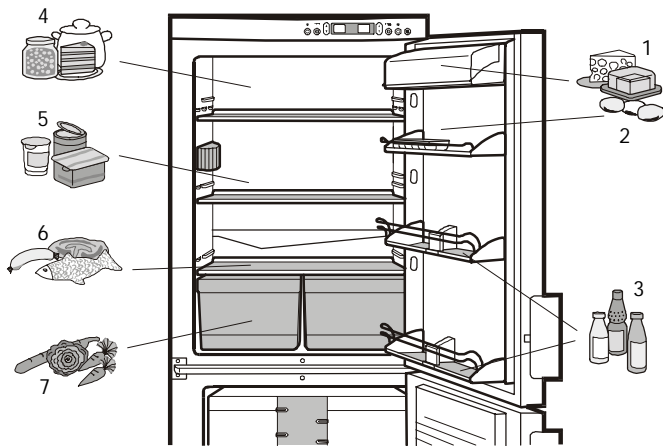


fig. B

- 1 butter, cheese
- 2 eggs
- 3 cans, drinks, bottles
- 4 preserves, baked goods, pre-cooked meals
- 5 dairy products
- 6 meat and sausage products, fish
- 7 fruit, vegetables, salad

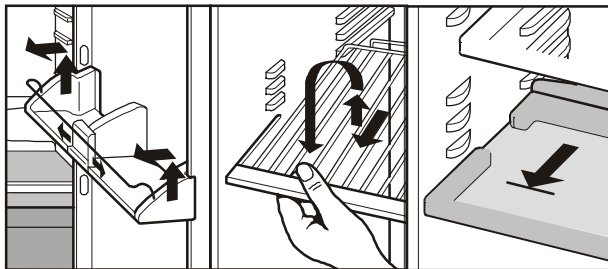


fig. C

fig. D1

fig. D2

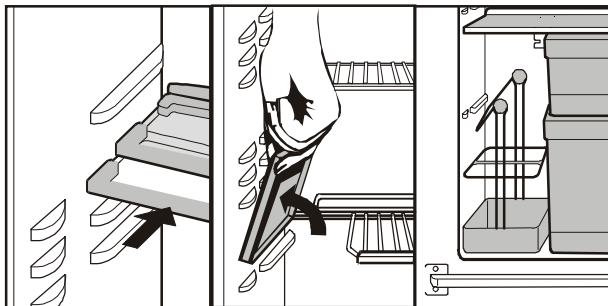


fig. E1

fig. E2

fig. E3

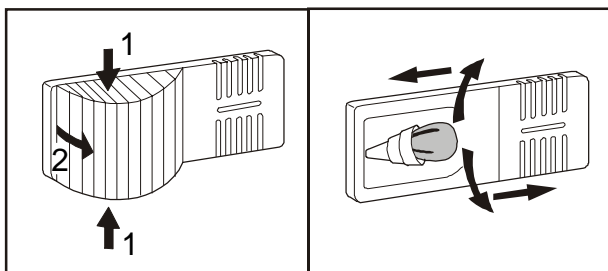


fig. F1

fig. F2

Arranging food in the refrigerator

Because of the natural circulation of air in the refrigerator compartment, the temperature in different parts of the refrigerator will differ, each area being suitable for different types of food. The refrigerator is coldest just above the vegetable bins and against the rear wall (suitable for sausage and meat products etc.); it is warmest at the front at the top and in the door (suitable for spreadable butter, cheese etc.). See fig. B for food storage suggestions.

Notes on cooling

- Store food so that air can circulate properly around it. Do not pack the refrigerator too full.
- Food which gives off or absorbs odours and flavours, and liquids should always be stored covered or in closed containers. High-percentage alcoholic drinks should be tightly sealed and stored upright.

Changing shelf arrangement

You can re-arrange the height of the shelves and door racks as required.

- **Re-positioning the door racks**, fig. C: Slide the door rack up, pull out towards you and replace in reverse order.
- By adjusting the **bottle holder** you can protect the bottles from falling over when the door is opened and closed.
- **Shelves*** (grids or glass shelves) can be adjusted in height for different height items, fig. D1:
 - Slide the shelf forwards, lift and remove. Always insert shelves with the raised edge at the back pointing upwards, otherwise food may freeze onto the rear wall.
 - The glass shelves can be pulled out a certain distance, fig. D2. This enables you to reach and remove items at the back of the shelves more easily.
- If you require space for large bottles and containers,
 - slide one *half* of the glass shelf* to the back, fig. E1, or
 - lift up the flap* in the grid shelf, fig. E2.
- You can use the **bottle basket***, fig. E3, to chill drinks and carry several bottles at once.

Interior light

This switches off automatically after the door has been opened for approx. 15 minutes. If it does not switch on when the door is opened briefly, but the temperature display is working, the bulb may be defective.

Replacing the bulb:

- **Bulb data:** max. 25 W; current and voltage must agree with the details on the type plate. Bulb fitting: E 14.
- Switch off the appliance. **Disconnect from the mains or remove or unscrew the fuse.**
- Press the light cover together at the sides as in fig. F1 (1). Lift it out and unclip at back (2).
- Replace the bulb as in fig. F2. To counteract the friction seal, turn with slightly more pressure. When inserting, make sure that the seal is properly in place in the lamp socket.
- Clip the back end of the cover in and clip the sides into place.

* Depending on model and options

4 Freezer compartment

Superfrost

Fresh food should be frozen to the core as rapidly as possible. Frozen food can also be given a cold boost. This is provided by the "Superfrost" facility and ensures that the nutritional value, appearance and flavour of the food remain intact.

- The maximum amount of food which can be frozen in 24 hours is shown on the type plate ("Freezing capacity ... kg/24h"), fig. A2, pos. ④. This amount varies according to the model and climate rating.

Freezing with Superfrost

- Press the Superfrost button ④ briefly so that the LED lights up. The freezer temperature will decrease and the appliance will switch to the lowest temperature.
- For small amounts of frozen food, it is normally sufficient to switch on Superfrost 6 hours beforehand. For the *maximum* amount (see freezing capacity on the type plate) you will need to switch it on 24 hours beforehand.
- Then place the fresh food inside the freezer, preferably in the top drawers. If freezing the *maximum* quantity of food, do *not* use the drawers; instead, place the wrapped food directly on the cooling plates. Once the food is frozen you can load it into the drawers.
- The Superfrost function switches off **automatically**. Depending on the quantity of food placed in the freezer, this will normally be between 30 and max. 60 hours. The freezing process is now complete, the **Superfrost LED will go out**, and the freezer will switch back to normal energy-saving operation.

Note:

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 and storage

- **Items suitable for freezing:** meat, game, poultry, fresh fish, vegetables, fruit, dairy products, bread, baked goods, pre-cooked meals.
Not suitable: lettuce, radishes, grapes, whole apples and pears, fatty meat.
- **Pack frozen food** in standard freezer bags or reusable plastic, metal or aluminium containers.
- 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 exceed the stated storage time for the food. This prevents any risk of quality impairment.

- Pack food which you are freezing yourself in quantities appropriate to your household. To ensure that the food freezes right through quickly, the following quantities should not be exceeded per package:
 - fruit, vegetables: up to 1 kg;
 - meat: up to 2.5 kg.
- Blanch **vegetables** after washing and cutting them. (Add to boiling water for 2-3 minutes, remove and quickly cool down in cold water. If you blanch with a steamer or microwave oven, please observe the relevant operating instructions.)
- Do not salt or season fresh food or blanched vegetables before freezing. Only lightly salt and season other food. Some spices can alter their flavour intensity.
- Do not freeze bottles and cans which contain carbonated drinks as they might burst. Drinks can be cooled down quickly, but take the bottles out of the freezer compartment after an hour at the most.

- **Storage:** Each drawer and cooling plate can take up to 25 kg frozen food.

- **Removing drawers:** Pull forward until the drawer stops and lift out.

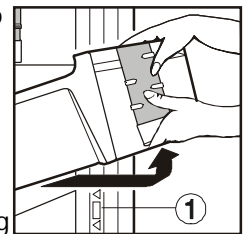
If the drawers are removed, the cooling plates must not be loaded above the loading limit (arrows on the side walls) at the front, fig. ①.

- Always store identical food items together to avoid the door being open for unnecessarily long periods and to save energy.
- Do not exceed storage times given.

- **Thawing:** Only take out as much food as is immediately required for thawing. Cook food which has been thawed as quickly as possible. Frozen food can be thawed in the following ways:

- in a conventional or fan oven
- in a microwave oven
- at room temperature
- in the refrigerator: the cold given off by the frozen food is used for cooling the other food.
- Flat portions of meat or fish can be cooked when partially thawed.
- Vegetables can be cooked from frozen (in half the normal time).

- For more details on thawing and storage times, consult a specialist book on freezing.



4 Freezer compartment

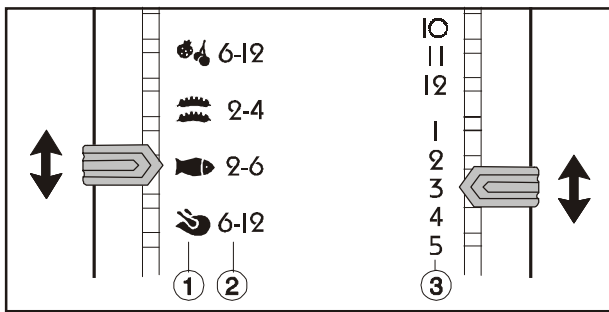


fig. G

The information system*

Helps you keep track of what you have stored in the freezer. It shows you at a glance what has to be used and when. It tells you what food you have in the freezer ①, the number of months it can be stored ② and the month by which it should be consumed ③.

Storage times given are guide times for food frozen at home. Whether or not the lower or upper value is applicable depends on the food quality and how it was processed prior to freezing. The lower values always apply to food with a high fat content. You can calculate the month by which the food should be consumed by adding the storage time to the month of freezing. For ready-frozen food, check the use-by date on the packaging.

Fig. G:

- Position a slide against the symbol for the frozen food you are storing and position the slide of the same colour against the month by which the food should be consumed.
- *Example:* For fish that can be kept until March, position one slide against the symbol for fish and the slide of the same colour against the month number 3 for March.

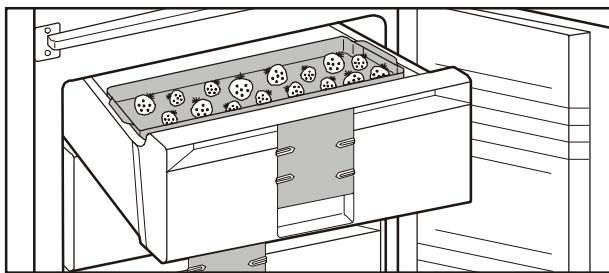


fig. H

The freezer tray*

This is used for gently freezing berries, herbs, vegetables and other small items and prevents them from sticking together. Items being frozen will largely retain their shape, and it will be easier to remove exactly the right quantity later on.

- Spread the items out loosely on the tray, fig. H.
- Suspend the freezer tray in one of the top drawers. Freeze for 10 to 12 hours, then transfer to a freezer bag or container and put in a drawer.
- To defrost, spread the frozen items out loosely.

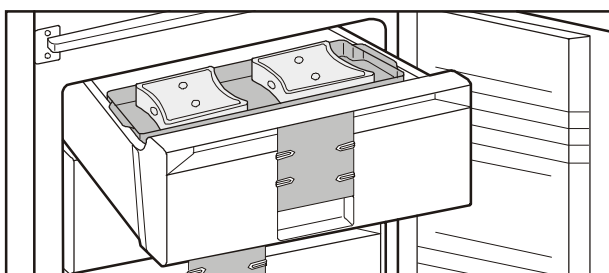


fig. J

Cold-storage accumulators*

These prevent the temperature in the freezer from rising too quickly in the event of a power failure, thus preserving the quality of the food.

- To save space, you can freeze and store the cold-storage accumulators in the freezer tray, fig. J.
- To ensure maximum storage time in the event of a power failure, place the *frozen* cold-storage accumulators in the top freezer drawer on top of the food.

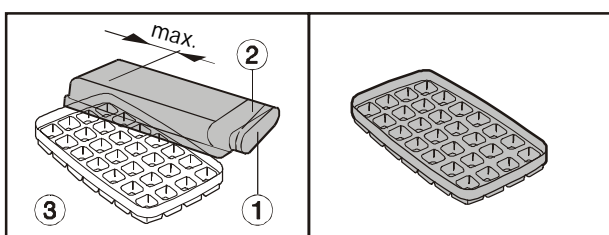


fig. K1

fig. K2

Making ice-cubes

Fill the **ice-cube bottle*** up to the mark with water, fig. K1, and seal with the lid ①. Distribute the water evenly amongst the cells in the ice-cube bottle by holding the bottle horizontally and shaking gently from side to side, and freeze. To remove the ice-cubes, hold the ice-cube side of the bottle under running water for a short time. The ice-cubes can then be shaken out through the bottle opening. The ice-cube bottle can be separated into an upper ② and lower ③ section for cleaning.

Fill the **ice-cube tray*** three-quarters full with water and freeze, fig. K2. The ice-cubes can be removed from the tray by twisting or by holding upside down for a short time under running water.

* Depending on model and options

5 Defrosting, cleaning, energy savings

Defrosting



The refrigerator compartment defrosts automatically. The defrost water is evaporated by the heat from the compressor; drops of water on the rear wall are perfectly normal.

- Ensure that the defrost water can flow freely through the drain hole in the rear wall (arrow in fig. A).

The freezer compartment

After the appliance has been in operation for some time, a layer of ice will form on the aluminium panels and the fronts of the drawers if the door is opened and fresh food placed inside the freezer regularly. This is completely normal.

However, a thick layer of ice will increase the appliance's energy consumption. You should therefore defrost the appliance regularly:

- Switch on "Superfrost" the day before defrosting to give the food a cold boost.
- To defrost, disconnect the appliance from the mains or press the freezer on/off button so that the temperature display goes out. If the display does not go out, the child-proof lock is activated.
- If possible, put the frozen goods in the freezer drawer with the cold-storage accumulators on top, wrap in newspaper or a blanket and store in a cool place.
- Pull out the defrost drain pipe ① (fig. A3) and place a bowl or the empty bottom freezer drawer underneath. If you use the bottom drawer ②, push the drain pipe through the slot in the end (fig. A4).
- To speed up the defrosting process put a saucepan of hot but not boiling water on one of the shelves.
Do not use electric heaters or steam cleaners, defrosting sprays or naked flames for defrosting nor any metal objects for removing the ice. Risk of injury and damage!
- Leave the door of the appliance open while defrosting.
After defrosting, mop up the remaining water and clean the appliance.

Cleaning



- **Before cleaning, always switch off the appliance. Disconnect from the mains or unscrew or remove the fuse.**
- Clean the outer walls, inside and equipment by hand with lukewarm water and a little detergent. Because of the risk of injury and damage to the appliance, steam cleaning equipment should not be used.
Never use abrasive or scouring sponges. Do not use concentrated cleaning agents and never use abrasive or acid cleaners or chemical solvents.
- We recommend using a soft cloth and an all-purpose cleaner with a neutral pH value.
- We recommend treating stainless steel appliances* with a special stainless steel cleaning agent after normal cleaning.
- Do not allow cleaning water to run down the

drain gully or to penetrate the ventilation grilles or electrical components. Dry the appliance.

- Do not damage or remove the type plate on the inside of the appliance. It is very important for servicing purposes.
- The butter dish can be washed in a dishwasher. The racks, shelves and other components should be cleaned by hand as they are not dishwasher-safe.
- Clean the **drain hole** on the rear wall above the vegetable bins frequently, fig. A, **arrow**.
If necessary, clean with a thin object, e.g. a cotton swab or similar.
- The dust should be removed from the **refrigeration unit** and heat exchanger - metal grid at the back of the appliance - once a year. Dust deposits increase energy consumption.
- Ensure that none of the wires or other components are dislodged, bent or damaged.
- Then connect/switch on the appliance and start to insert the food to be frozen as the temperature drops.



If the appliance is to be **left switched off for any length of time**, empty the appliance, disconnect from the mains, clean as described above and leave the door open so as to avoid odours.

Notes on energy saving

- Ensure that there is adequate space around the appliance for ventilation and air extraction.
- Avoid keeping the door open for too long.
- Store food logically. Do not exceed the storage period specified.
- Keep all food properly packed and covered so as to avoid its frosting up on the outside.
- Always allow hot food to cool to room temperature before placing in the appliance.
- Defrost frozen food in the refrigerator.
- If an ice layer forms in the freezer, defrost it. This will improve the cold transfer and reduce energy consumption.
- Keep the appliance door shut in the event of a breakdown. This will delay the cold loss and will help to maintain the quality of the frozen food for longer.

6 Malfunctions

Your appliance is designed and manufactured for a long life span and reliable operation.

If a malfunction nonetheless occurs during operation, check whether it is due to an operating error. Please note that even during the warranty period the resultant servicing costs in this case will have to be borne by the owner.

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

Malfunction	Possible cause and remedy
Appliance does not work, display is off	<ul style="list-style-type: none"> - Is the appliance switched on properly? - Is the mains plug properly inserted in the socket? - Is the socket fuse intact?
The interior light does not come on	<ul style="list-style-type: none"> - Is the refrigerator compartment switched on? - Has the door been open for more than 15 minutes? - The bulb is defective. Change the bulb as described in "Interior light".
Loud running noise	<ul style="list-style-type: none"> - Is the appliance standing firmly on the floor, or does the compressor cause nearby items of furniture or objects to vibrate? If necessary, move the appliance slightly, align by adjusting the adjustable feet, or move bottles and containers apart. - <i>Bubbling noises</i> are normal. These are caused by the refrigerant flowing round the refrigerant circuit. <i>A short clicking sound:</i> This will be heard whenever the refrigeration unit (the motor) switches on or off automatically. <i>Motor noise:</i> This will be slightly louder for a brief period when the refrigeration unit switches on.
The alarm sounds, the temperature is not low enough	<ul style="list-style-type: none"> - Is the temperature setting correct? - If necessary, set a lower temperature and check the display after 24 hours. - Check as described in "Audible warning signal". - Loose thermometer in appliance is showing a wrong reading. - Is the ventilation system working properly? Make sure the ventilation grilles are not blocked.
nR appears in the display	<ul style="list-style-type: none"> - There has been a power failure; proceed as described in "Power failure/"frost-control" display".



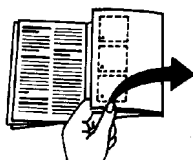
Customer service and type plate

If none of the above causes apply and you cannot rectify the fault yourself, or if the temperature display reads "F1" to "F5", this means that there is a fault. Please contact your nearest customer service department (see enclosed list for addresses). Give the **fault number displayed**, together with the

type designation ①,
service number ② and
appliance number ③

as given on the type plate, fig. A2, so as to ensure rapid, accurate servicing. The type plate is located inside the appliance on the left-hand side.

Instructions for installation and modification



Before reading, please fold out the illustrated back page.

Safety regulations

- The appliance is designed to cool, freeze and store food and to make ice. It is designed as a household appliance. If used commercially, the relevant regulations on commercial use must be observed.
- The appliance is set to operate within specific ambient temperature limits according to its climate rating. These temperature limits should not be exceeded. The correct climate rating for your appliance is indicated on the type plate. This is explained as follows:

Climate rating	Set for ambient temperatures of
SN	+10°C to +32°C
N	+16°C to +32°C
ST	+18°C to +38°C
T	+18°C to +43°C

- The refrigerant circuit has been tested for leaks.
- The appliance complies with current safety regulations and EC directives 73/23/EEC and 89/336/EEC.

Dimensions

The external dimensions of the appliance can be seen on the illustration at the back (fig. A) and in the table below.

Gross capacity of appliance (l) (see type plate)	height H (mm)
252 (26..)	1431
291 (30..)	1625
339 (35..)	1806
378 (39..)	2000
385 (40..)	1982

Changing over door hinges

fig. B

The door hinges can be changed from one side to the other if required.

- With the door open, lever out plinth panel ① with a screwdriver and remove.
 - Lever out cover ② with a screwdriver. Close door.
 - Unscrew screw M5 ③.
- Pull hinge component ④ with hinge pin ⑤ out from underneath and remove.
 - Open door, lift out at bottom and remove.
 - Pull middle hinge pin ⑥ out from underneath.
 - Tilt out top door and lift off from underneath; do not lose the spacer.
- Transfer all hinge components onto the other side:

- Unscrew top hinge pin ⑦ and screw in on opposite side. Use the hexagon socket on the open-ended spanner provided (spanner width 5).
- Centre: Change over cover ⑧ with hinge ⑩: remove the cover caps ⑨ with the blade of a knife, unscrew screws ⑩, lift off cover ⑧ and hinge ⑩ to the side, turn through 180° and replace on the other side, remove mounting point ⑫ and insert from top.
- Bottom: Using a screwdriver, remove the spacer ⑬ and replace on the other side.
- Re-attach the doors:
 - Remove plugs ⑭ from the door mounting points and replace on the other side.
 - Suspend top door with spacer in hinge pin ⑦, close door.
 - Slide middle hinge pin ⑥ into the door mounting from below through the hinge ⑩. Make sure the door is flush with the body of the appliance; adjust if necessary using the slots on the hinge.
 - Suspend lower door, close.
 - Rotate hinge component ④ by 180°, remove hinge pin ⑤ and replace in the reverse order. Mount both parts in the hinge ⑩: slide the pin into the door mounting through the hinge, tilt in the hinge component, slide up and attach with screw ③.
 - Align the door *flush* with the body of the appliance using the slot on the hinge ⑩, then tighten screw ③.
 - Attach the plinth panel ① and click into place by pressing.
 - With the door open, insert the cover ② in the plinth panel at the front and click into place at the back.
 - Assemble* **door handles** ⑮ and plugs ⑯: click cover strip* ⑰ into place. (To remove: prise out the cover strip in the slot in the handle using a knife blade).
 - Remove and re-attach slimline handles* with the 2.5 mm hexagon key provided as illustrated in fig. B2.

- If your refrigerator has a **bottle basket**, put the vegetable bin on the other side (the bottle basket should always be on the *same side as the door handle*) to facilitate removal of the basket:
 - Remove bottle basket, vegetable bins and glass shelf.
 - Move the plastic rail ① on the glass shelf, fig. B1: turn the shelf over, lift out the rail at the front by tapping slightly and remove towards back.
 - Replace the rail ① on the other *outside* attachment on the glass shelf, put in position at back and clip into place at front.
 - Remove side component ② sideways and replace on the other side. Replace glass shelf, vegetable bins and bottle basket.

* Depending on model and options

Instructions for installation and modification

Insertion into row of kitchen units

fig. C

The appliance can be installed in any fitted kitchen. 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. The greater the area the more economically the appliance will run.

- When installing with standard kitchen units (max. depth 580 mm) and decor panels of max. 2 mm thickness, the appliance can be set up right next to the kitchen unit. The door protrudes 34 mm from the side of the kitchen unit and 51 mm at the front. This enables it to be opened and closed without difficulty.
- When setting up the appliance next to a wall ④, a minimum distance of 36 mm must be provided on the hinge side between the appliance and the wall (for the handle when the door is open).
- If you wish to attach the appliance to adjacent units or to fit a spacer between the appliance and the wall, please note the following:
 - Verify that the door can open and close properly.
 - **Do not drill holes inside the marked area** (fig. C), otherwise damage could be caused to foamed components. For dimension figure A according to the specific freezer size see the table below.

Freezer compartment with	dimension figure A (mm)
2 drawers	660
3 drawers	850
4 drawers	1040

- Attach appliance to kitchen units with self-tapping screws (max. depth 10 mm).
 - ① top unit
 - ② refrigerator/freezer
 - ③ kitchen unit side panel
 - ④ wall

Notes on assembling decor panels*

Decor panel and frames can be attached to the door of your appliance to match or contrast it to the existing kitchen colour scheme.

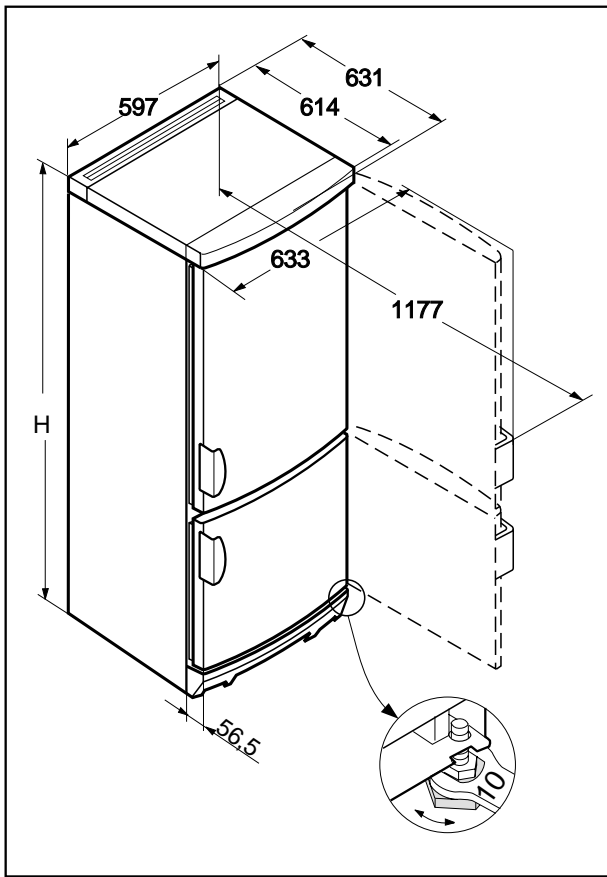
The panels are available from your kitchen furniture supplier. The frames can be fitted later and are available from your dealer.

If you wish to fit the decor panels yourself, you will need a drill or a rechargeable screwdriver to pre-drill the retaining holes. For further instructions and dimensions see the installation instructions included in the retrofit kit.

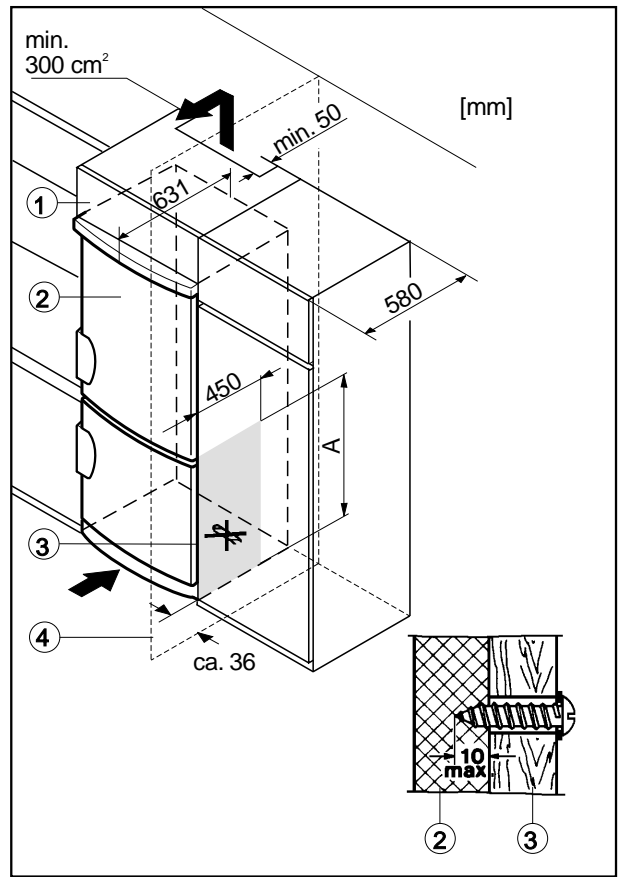
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All types and models are subject to continuous improvement and the manufacturer therefore reserves the right to make modifications in the shape, equipment and technology.

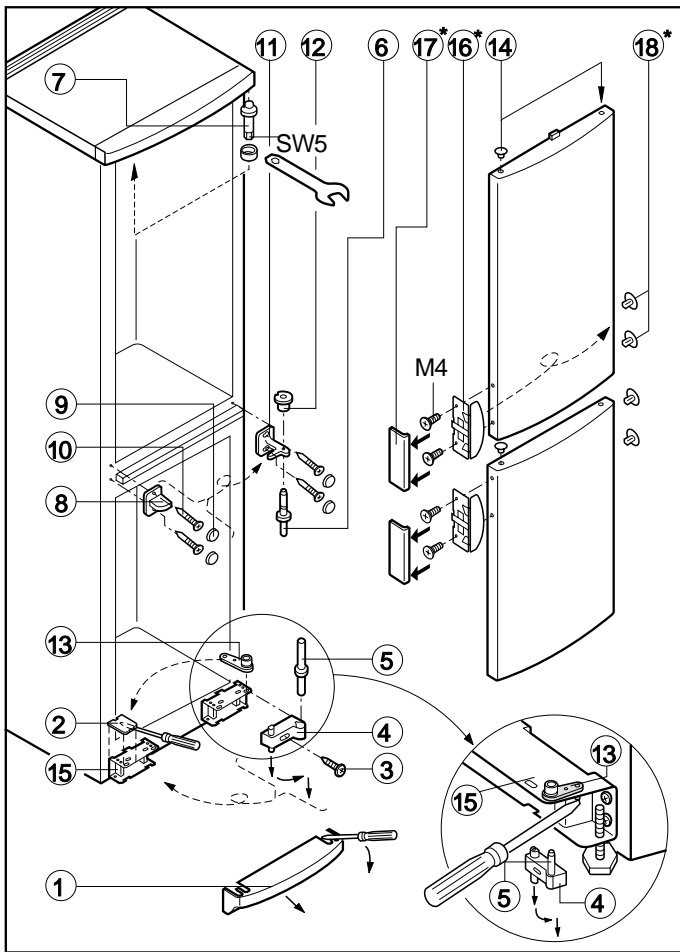
* Depending on model and options



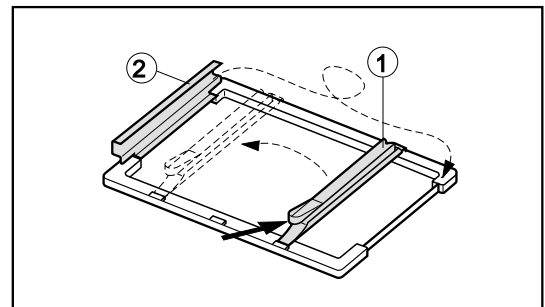
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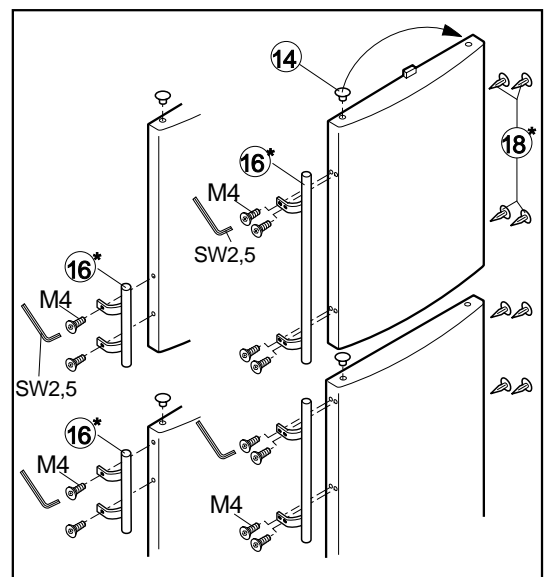
C



B



B1



B2