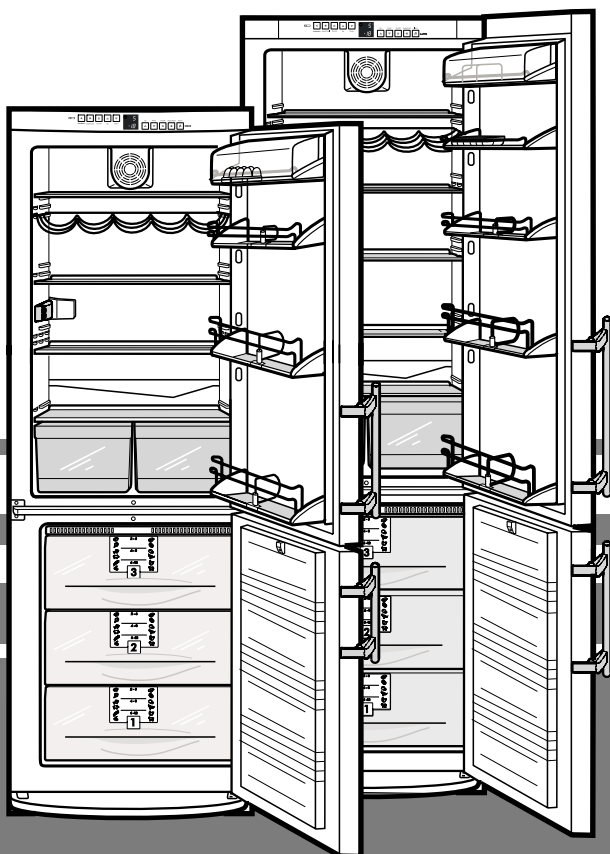


Operating instructions

for fridge-freezer combination, NoFrost

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The appliance at a glance

Operating and control elements, fig. A1

Freezer compartment

- ① Temperature and setting display, with nA display for power failure and Frostcontrol with query of highest temperature
- ② Setting buttons for temperature: Up-button = higher, Down = lower, recommended setting: -18 °C
- ③ **Appliance main on/off button**
- ④ SuperFrost button, lit = function activated
For fast freezing of fresh food
- ⑤ Audible warning on/off button
- ⑥ Child-proofing (illuminated symbol = active, refrigerator and freezer compartment are protected against being switched on accidentally)

Refrigerator compartment

- ⑦ Temperature display and setting display
- ⑧ Setting buttons for temperature: Up-button = higher, Down = lower, recommended setting: 5 °C
- ⑨ Appliance on button / **refrigerator off button**
- ⑩ SuperCooling button, lit = function activated
For fast cooling of food in refrigerator
- ⑪ Fan button*, on/off for circulation cooling, lit = function activated

Type/Data plate, fig. A2

- ① Type designation
- ② Service number
- ③ Appliance number
- ④ Freezing capacity in kg/24 hours

Description of appliance and equipment, fig. A

Refrigerator, approx. 5°C

- Transport grips
- Operating and control elements
- Butter and cheese compartment
- Fan for circulation cooling
- Bottle shelf
- Egg tray*
- Sectioned shelf for tall containers, adjustable* storage shelves
- Interior light
- Defrost drain (refrigerator)
- Adjustable bottle/can holder*
- Adjustable door storage rack*
- Coldest area of the refrigerator compartment, suitable for cold-sensitive and highly perishable foods
- Vegetable, salad and fruit bins
- Type/Data plate
- Door rack for large bottles and drinks

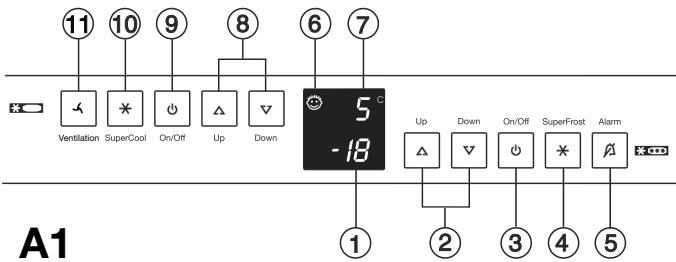
Freezer, approx. -18°C

- Freezer tray*, cold-storage accumulator*, ice-cube tray*

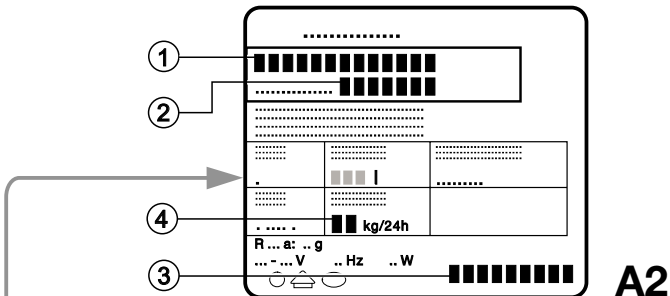
- Information system*

- Drawers with transparent fronts

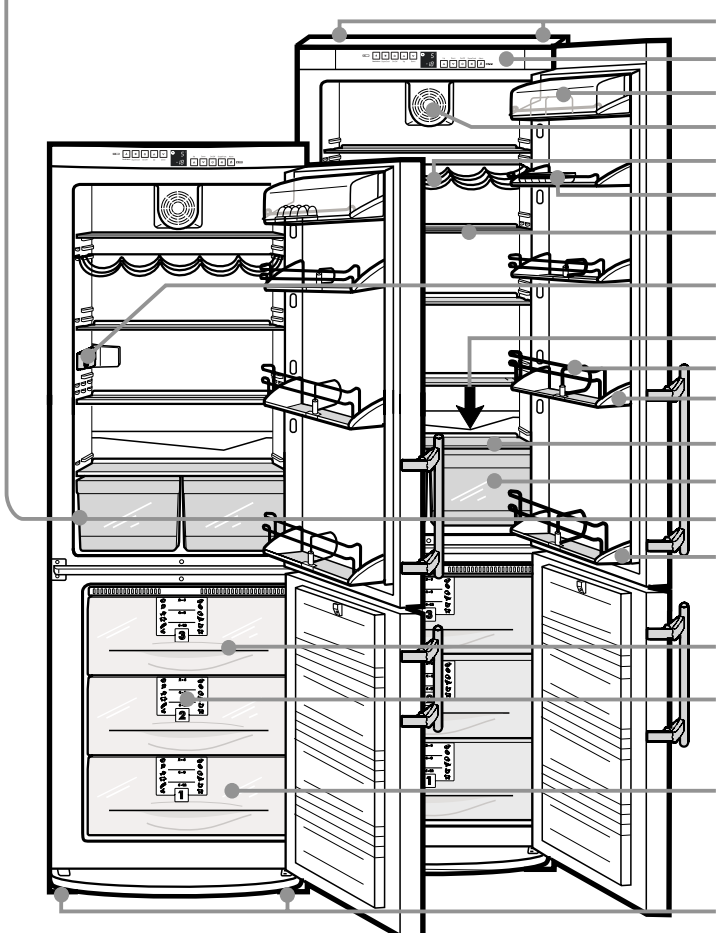
- Adjustable-height feet, transport grips, transport castors at back



A1



A2



A

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.

Keep these operating instructions in a safe place and pass them on to the next owner, where applicable. The instruction is valid for several models, deviations are therefore possible.

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Safety regulations

- The appliance is designed to cool, freeze and store food and to make ice. It is designed as a household appliance. Perfect functioning cannot be guaranteed for any other use.
- 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 class	designed 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.

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.
- Keep the appliance door shut in the event of a breakdown. This will delay the cold loss. The quality of the frozen goods is maintained longer.

Safety instructions and warnings

Disposal notes

The packaging is made of recyclable materials.



- Corrugated board/board
- EPS moulded parts
- Polythene sheets
- Polypropylene straps

Keep packaging materials away from children - polythene sheets and bags can cause suffocation!

- Please return the packaging to an official collection point.



Your old appliance: This contains some reusable materials and should be disposed of properly - not simply with unsorted household refuse.

- Discarded appliances should be disabled: Remove the plug, cut through the connection cable and render the catch unusable so that children cannot become trapped inside.
- Ensure that the refrigerant circuit is not damaged when the appliance that is no longer needed is taken away for disposal.
- Details of the refrigerant can be found on the type plate.
- Appliances which are no longer needed must be disposed of in a professional and appropriate way, in accordance with the current local regulations and laws.

Technical safetyA

- 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.
- In the event of a fault, disconnect appliance from mains: pull out the plug (do not pull on connection cable) or trip or turn out 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 any explosive materials or spray cans with flammable propellants in the appliance, such as butane, propane, pentane etc. 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).
- Do not stand on the plinth, drawers or doors or use them to support anything else.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given initial supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Avoid prolonged skin contact with cold surfaces or chilled/frozen food. This could cause pain, numbness and frostbite. In the case of prolonged skin contact, protective measures should be taken, e.g. gloves should be worn.
- Do not eat ice-cream, particularly ice lollies or ice-cubes, immediately after taking them from the freezer compartment as there is a

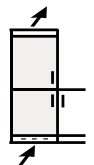


risk of „burning“ because of the very cold temperatures.

- 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.
- Standard EN 378 specifies that the room in which you install your appliance must have a volume of 1 m³ per 8 g of R 600a refrigerant used in the appliance, so as to avoid the formation of inflammable gas/air mixtures in the room where the appliance is located in the event of a leak in the refrigerant circuit. The quantity of refrigerant is given on the type plate in the interior of the appliance.
- Avoid positioning in direct sunlight or next to an oven, radiator or similar, in damp locations or near spraying water.
- Once in position, use the 10 spanner provided to adjust the feet so that the appliance is level and does not wobble.
- **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.
- Condensation may form on the outside of the refrigerator/freezer during periods of high humidity. Constant ventilation of the installation site is recommended.
- Do not place heat-emitting appliances, e.g. microwave oven, toaster, etc., on top of the refrigerator or freezer.
- Remove all transportation safety components:
 - Remove sticky tape or spacers* from shelves and insert shelves in the required position.
 - Remove all protective film: from the decorative trims, front walls and side walls*.



Connecting to the mains

Power supply (AC) and voltage

at the operating point must comply with the details on the type plate, which is located inside the appliance on the left, fig. A.



- **Connect the appliance with a properly earthed fused plug and socket only.**
- The socket must be fused with a 10 A fuse or higher, it must be away from the rear of the appliance and must be easily accessible.
- Do **not** connect the appliance to the supply with other equipment using an extension cable - risk of overheating.
- When removing the mains cable from the back of the appliance, remove the **cable holder** so as to avoid vibration noise.

The wires in the mains lead are coloured in accordance with the following code:

green/yellow = earth,
blue = neutral,
brown = live.

Warning! This appliance must be earthed.

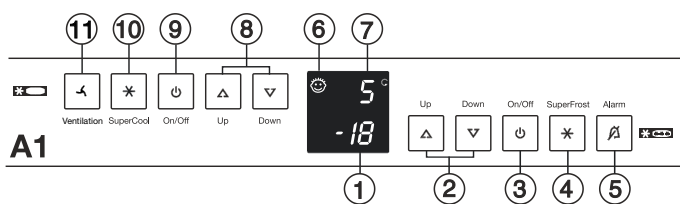
Non-rewireable plugs BS 1363

If this machine or appliance is fitted with a non-rewireable plug, the following information applies: If the socket outlets are not suitable for the plug supplied with this product, it must be cut off and an appropriate plug fitted. The plug cut from the flexible cord should be disposed of and on no account be inserted into a 13 A socket elsewhere in the house (electric shock hazard).

The fuse cover **must** be re-fitted when changing the fuse, and if the fuse cover is lost the plug **must not** be used until a suitable replacement is obtained. The colour of the correct replacement cover is that of the coloured insert in the base of the plug, or the colour that is embossed in words on the base of the plug (as applicable to the design of the plug fitted).

The correct rating of the replacement fuses that are ASTA approved to BS 1362 should be fitted. Replacement fuse covers may be purchased from your local electrical suppliers, electricity showroom or approved service agent.

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.

Switching the appliance on and off

Pressing the main on/off switch ③ always switches the entire appliance, both the refrigerator and the freezer compartment, on or off.

- **Switching on:** Press the on/off buttons ③ or ⑨ so that the temperature displays light up or flash.
 - **Refrigerator:** The interior light will light up when the door is open.
 - **Freezer compartment:** When putting the appliance into operation and when it is warm, lines are shown in the freezer compartment display until a temperature less than 0 °C is reached.
- **Switching off:** Press the main on/off switch ③ for about one second, so that the temperature displays go out.
- If you only want to switch off the **refrigerator compartment** (keeping the freezer compartment switched on; useful when you go on holiday, for example), press the **on/off switch ⑨**. The **refrigerator** temperature display ⑦ and the interior light will go out. The **freezer** temperature display ① **must remain on**.

Setting the temperature

The appliance is set as standard for normal operation mode, a temperature of +5 °C is recommended for the refrigerator compartment and -18 °C for the freezer compartment.

Lower temperature/colder: Press the **Down**-setting button, left for refrigerator compartment: ⑧, right for freezer compartment: ②.

Increase temperature / warmer: Press the **Up**-setting 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°C and 2°C and

in the freezer: between -16°C and -26°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).

Temperature display

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.

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 „F 1“ to „F 5“ 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.

Audible warning signal

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 or
 - the door is closed.

Audible door alarm – for refrigerator and freezer compartments

- This sounds when the door has been left open for longer than about 60 seconds. The sound switch-off function is active as long as the door is left open. The alarm automatically switches back to standby when the door is shut.

Audible/visual temperature alarm – for the freezer compartments

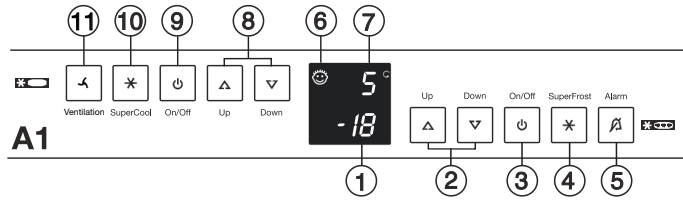
- It always sounds if the freezer temperature is not low enough (dependent on the temperature setting).
- The **temperature display flashes** at the same time.

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**.

Operation and control elements



SuperCooling

The SuperCooling button switches the refrigerator compartment to maximum cooling. This will enable you to achieve temporarily lower refrigerating temperatures.

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

- **Switch on:** Briefly press SuperCooling button (10), so that it is lit.
The refrigerator temperature will drop to its lowest value.
- NB:** „SuperCooling“ consumes slightly more energy. After approx. 6 hours, however, the refrigerator switches back **automatically** to normal energy-saving operation.
According to requirements, you can also switch „SuperCooling“ on earlier.
- **Switch off:** Press again briefly, so that the button is unlit.

Fan switch*

for re-circulated air cooling (1):

You can use the fan switch as required to:

- chill large quantities of fresh food fast;
- keep the temperature evenly distributed throughout the entire refrigerator compartment. The air will circulate more intensively, thus keeping all the different areas in the appliance at the same temperature and ensuring that all the food inside is chilled at the same temperature.
- You are recommended to always use the fan switch:
 - in **high** room temperatures (approx. 30°C or higher) or
 - if the air humidity is high, e.g. during the summer.
- **To switch on:** Press the fan button (1) briefly so that it lights up.
- **To switch off:** Press the fan button again so that it goes dark.

NB:

- To save energy, the fan will switch off automatically when the door is open.

Power failure/“Frostcontrol“display *nR*

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.

- 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.

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

Additional functions

In set-up mode you can set the **child-proof lock** and adjust the **brightness of the display***:

Activating set-up mode:

- Press SuperFrost button for approx. 5 secs - the SuperFrost button flashes - the display shows **c** for child-proof lock. Note: the value to be altered flashes.
- Select the required function by pressing the Up/Down button: **c** = **child-proof lock** or **h** = **brightness**.
- Now select/acknowledge function by pressing SuperFrost button briefly:
 - For **c** = **child-proof lock**, press the Up/Down button to select **c1** = child-proof lock **on** or **c0** = child-proof lock **off** and acknowledge with the SuperFrost button. When the symbol (6) is lit, the child-proof lock is activated.
 - For **h** = **brightness**, press Up/Down button to select **h1** = **minimum** to **h5** = **maximum** brightness and acknowledge with the SuperFrost button.



Exit set-up mode:

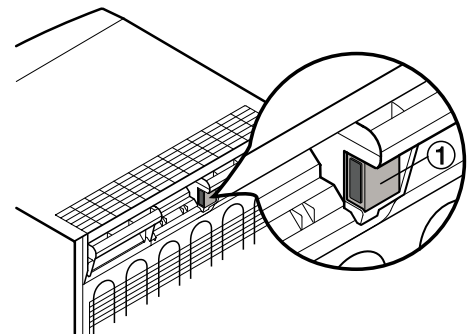
- To exit the set-up mode, press the On/Off button; after 2 mins. the electronic system switches over automatically.
- The normal operating mode is activated again.

Net@Home

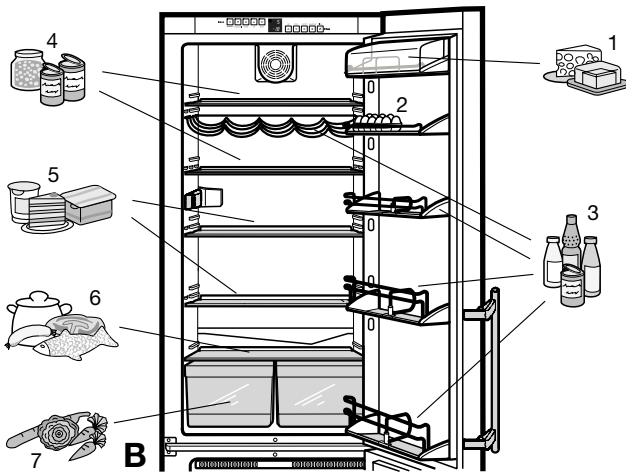
If necessary, the appliance can be retrofitted with an additional interface (1) via our customer service department.

The appliance can be connected to a network with a further optional Net@Home module, e.g. a TeleSafe module or a home bus slave module (EHS).

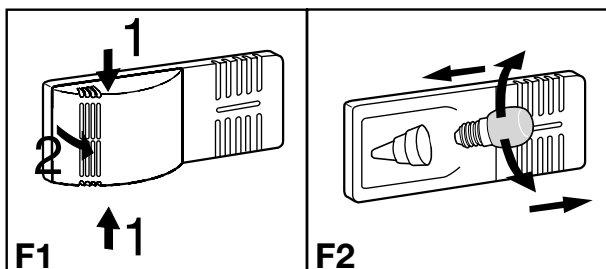
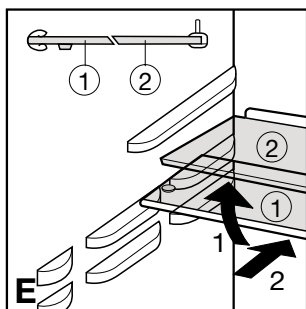
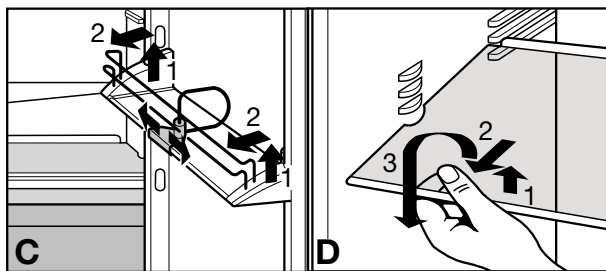
For more information, please visit our website at www.liebherr.com



Refrigerator compartment



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



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 coldest temperature is immediately above the vegetable bins and on the rear wall (useful, for example, for sausages and meats); the warmest temperature is at the top front area and in the door (useful, for example, for spreadable butter and cheese). See fig. B for food storage suggestions.

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Notes on cooling

- Store food in such a way that the air can circulate well, i.e. do not store goods too close together.
- Food which gives off or absorbs odours and flavours, and liquids should always be stored covered or in closed containers.
- Always store food which gives off or is sensitive to ethylene gases such as fruit, vegetables and salads separately or wrapped in order not to affect their storage life; e.g. do not store tomatoes together with kiwis or cabbage.

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 prevent bottles from tipping when the door is opened and closed. Always grip the plastic part.
- **Re-positioning the shelves**, fig. D:
 - Lift the shelf, slide forwards and remove. Always insert shelves with the guard bar at the back pointing upwards, otherwise food may freeze onto the rear wall.
 - The top storage shelf* (without guard bar at the back) must always be inserted in the uppermost position; it does not fit elsewhere.
 - The glass shelves are fitted with stops to prevent them being pulled out accidentally.
- If you require space for large bottles and containers
 - Lift the **front half** glass shelf* slightly and carefully slide under the rear shelf until the pull-out stops lock into position in the recesses, fig. E.

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. Only use bulbs of the same size. Bulb fitting: E 14.
- Switch off the appliance. **Disconnect from the mains or remove or unscrew the fuse.**
- Push the sides of the lamp cover fig. F1 together 1, disengage and unhook from rear 2.
- Replace the bulb as in fig. F2.
- Clip the back end of the cover in and clip the sides into place.

Freezer compartment

SuperFrost

The **fresh** food should be frozen to the core as rapidly as possible and already stored frozen food will be provided with a „cold reserve“. 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 SuperFrost button ④ briefly, so that it is lit. The freezer temperature will decrease and the appliance will switch to the lowest temperature.
- With a small quantity of food to be frozen, wait/pre-freeze for approx. 6 hours - normally sufficient, for maximum quantity see type plate under freezing capacity, approx. 24 hours.
- 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 complete - the **SuperFrost button is unlit** - the appliance is working in energy-saving normal mode again.

SuperFrost



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 re-usable 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 with carbonated drinks. They may 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 shelf can take **up to 25 kg** frozen food.

- **VarioSpace:** By removing a drawer and a shelf, you obtain the storage space for bulky goods equivalent to two drawer heights. Poultry, meat, large game pieces and tall baked goods can be frozen whole and further prepared in one piece.

- If you want to use the maximum net capacity, you can remove the drawers and store items directly on the shelves.
- **Always** leave the bottom drawer in the appliance.

- If you have removed the top drawer, **do not** cover the fan slits at the back, otherwise the freezer will not work properly.
- **Removing drawers**, fig. **G1**: pull forward until the drawer stops and lift out.

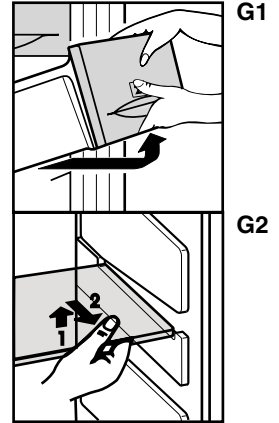
- **Removing the shelf**, fig. **G2**: lift the shelf up at the front and pull out.
To insert: proceed in reverse order, simply push shelf in as far as it will go.

- 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).



Freezer compartment













Information system*

Use frozen food within the recommended period.

The numbers between the symbols indicate the storage period in months for different kinds of frozen foods.

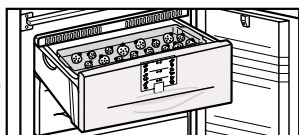
Storage times given are guide times for food frozen at home.

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.

pre-cooked meals		2 - 6		sausages
ice-cream				bread
fish		4 - 8		mushrooms
pork				game
vegetables		6 - 12		poultry
fruit		2		beef/veal

Freezer tray*

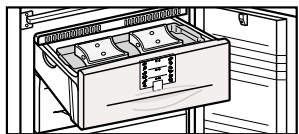
allows individual freezing of berries, herbs, vegetables and other small frozen goods. It prevents foods freezing together. Items being frozen will largely retain their shape, and it will be easier to remove exactly the right quantity later on.



- 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.

Cold-storage accumulators*

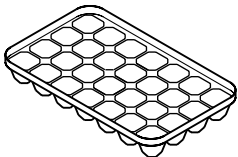
These prevent the temperature in the freezer from rising too quickly in the event of a power failure, thus preserving the quality of the food.



- 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.

Making ice-cubes

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



Defrosting, cleaning

Defrosting

The „No-frost“ system **automatically** defrosts the appliance.


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

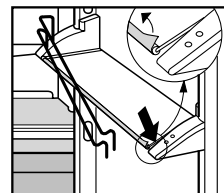
- Ensure that the defrost water can flow freely through the drain hole in the rear wall (arrow in fig. A).

In the freezer compartment: Any moisture arising collects on the evaporator and freezes, and is periodically defrosted and evaporated. The automatic defrosting system keeps the freezer frost-free.

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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.
- We recommend using a soft cloth and an all-purpose cleaner with a neutral pH value. Only use food-safe cleaning and care products in the interior of the appliance.
- Use a commercially available **stainless-steel cleaning agent for stainless-steel appliances***.
 - To achieve maximum protection, evenly apply a care product for stainless steel in the direction of the grain after cleaning. Points which are darker at the start and a more intensive coloration of the stainless-steel surface are normal.
 - Do not use scouring/abrasive sponges, concentrated cleaning agents and cleaning or chemical solutions containing sand, chloride or acids; they damage the surfaces and can cause corrosion.
- 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 important for the customer service department.
- The butter dish* can be cleaned in a dishwasher; clean the storage shelves, glass trays and other equipment by hand.
- Shelves and door racks can be taken apart for cleaning - remove cover strips and side sections from the glass trays.
- Remove all protective film.
- 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.

Troubleshooting

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 unlit

- 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

- 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

- 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.
- The following are normal: **flow noises**, bubbling or dripping noises, they come from the refrigerant flowing in the refrigerant circuit.

A short **clicking sound**: This will be heard whenever the refrigeration unit (the motor) switches on or off automatically.

Motor noise: This will be slightly louder for a brief period when the refrigeration unit switches on. The refrigerating capacity will increase when the SuperFrost function is activated, fresh food has just been placed in the appliance or the door has been left open for a while. A low-pitched humming sound is caused by **air flow noises** in the fan.

Alarm sounds,

Temperature is not low enough

- Have you put too much fresh food into the freezer **without** activating SuperFrost? (See „SuperFrost“)
- Does the door close properly?
- Is the appliance sufficiently well ventilated? Clear ventilation grilles if necessary.
- Is the ambient temperature too hot? (See „Safety regulations“)
- Has the appliance been opened too often or left open too long?
- If applicable, wait until the appliance reaches the required temperature itself.

appears in the display

- A power failure/interruption has occurred, proceed according to the section „Power failure/“FrostControl“ display“.

The compressor will continue to run for a while

- On energy saving models, this is caused by the functions and is perfectly normal. When less refrigeration is required, the VCC compressor switches to a low speed. It will then be running almost constantly, but it does save energy.

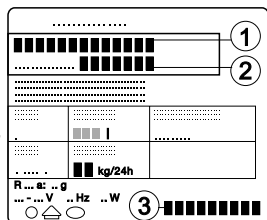
Customer service and type plate

If none of the above causes apply and you cannot rectify the fault yourself, or if „F0“ to „F5“ appears in the temperature display, this means that a fault has occurred. In this case, please contact your nearest service centre (see attached list). Inform the service centre of the **display** number, the **type designation** ①,

service number ② and

appliance number ③ of the type plate. This enables rapid, specific service. The type plate is located inside the appliance on the left-hand side.

Leave the appliance shut until the customer service engineer arrives so as to prevent any further cold loss.



Instructions for installation and modification

Do not install the appliance immediately side-by-side with another refrigerator/freezer. This is important to prevent condensation water and consequential damage.

This does not apply to models with side-wall heating. They are designed for side-by-side installation with this refrigerator/freezer. More information can be obtained from your specialist dealer. Fixing instructions are provided in the bag of accessories of the appliance with side-wall heating.

For the **external dimensions of the appliance**, see fig. **S** attached to the rear of the appliance and the table below.

appliance, gross capacity of models (l) see type plate		height H (mm)
331	(33..)	1806
365	(36..)	2000
377	(38..)	1982

Changing over door hinges

Fig. **T**. The door hinges can be changed from one side to the other if required:

Only change over door hinges when mains plug is disconnected!

- With the door open, lever out plinth panel ① on the hinge side with a screwdriver and remove from front.
- 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, (with version I., observe spacer sleeve ⑨).
- Transfer all hinge components onto the other side:
- Top: depending on version, proceed as follows:
 - Version I. (visible control panel)**: Lever out covers ⑧ with a screwdriver from front and remove at an angle from below. Turn out hinge pins ⑦ and turn in on the opposite side. Use the hexagon socket on the open-ended spanner provided (spanner width 5). Fit covers ⑧ again: insert at rear and push into place at front.
 - Version II. (concealed control panel)**: lift up cover ⑧ on handle side, push outwards; lift up cover on hinge side and pull off.
- Unscrew earthing plate ⑩: first earthing screw ⑩, then inner retaining screw ⑩.
- Unscrew hinge ⑨: first undo earthing screw ⑩, then retaining screws ⑩. Fit hinge ⑨ to opposite side: for easy assembly, fit hinge from above and first tighten with the upper retaining screw ⑩ M5, then screw ⑩ and finally earthing screw ⑩ M4.
- Screw earthing plate ⑩, turned 180°, tight again on the new handle side: first retaining screw ⑩ then earthing screw ⑩.
- Insert hinge pins ⑦ in the other retaining hole. Use the hexagon socket on the open-ended spanner provided (spanner width 5).
- Fit covers ⑧ again: insert hinge-side cover by sliding outwards and click into position; insert handle-side cover by sliding inwards and click into position.
- Centre: Change over cover ⑩ with hinge ⑩: unscrew screws, lift off cover ⑩ and hinge ⑩ to the side, turn through 180° and replace on the other side, remove mounting point ⑩ and insert from top.
- Bottom: Using a screwdriver, remove the spacer ⑩ Fig. **T1**, and replace on the other side.
- Fit doors again:
 - Lift plugs ⑩ out of the hinges and fit to other side.
 - Fit upper door into hinges ⑦, (with version I observe spacer sleeve ⑨). Close door.
 - Push middle hinge pin ⑥ from below through the hinge ⑩ into the door hinge. Ensure that the door is flush with the appli-

Instructions for installation and modification

ance housing, if necessary, align with the elongated holes in the hinge.

- Fit lower door and close.
- Turn hinge part ④ 180°, pull out hinge pin ⑤ and insert on other side. Fit both parts into the hinge (15): push pin through the hinge into the door hinge, swivel hinge part in, push up and pre-mount with screw ③.
- Align the door flush with the appliance housing via the elongated hole in the hinge (15), then tighten screw ③.
- Push up plinth panel ① and press to lock into place.
- With the door open, insert cover ② into the plinth panel at the front, lock into position at rear.
- **Fit door handles (19) and plug (18) on other side***. With the door open, carefully detach pressure plates* (17) at the front and push away to the side; unscrew handle. Fit in reverse order: push the pressure plates and ensure that they lock into position correctly.

Insertion into row of kitchen units

Fig. U. The appliance can be integrated into the kitchen units. To adapt the appliance to the height of the row of kitchen units, a suitable top cupboard can be fitted above the appliance ①. For ventilation and air extraction, an exhaust air shaft at least 50 mm deep must be provided on the rear of the top cupboard over the entire width of the cupboard. The ventilation cross-section below the ceiling of the room should be at least 300 cm². Generally, the bigger the cross section, the more economically the appliance operates.

- When integrating with standard kitchen units (depth max. 580 mm) and decor panels of up to max. 2 mm thick, the appliance can be installed directly next to the kitchen unit. The door of the appliance protrudes beyond the front of the kitchen unit 34 mm at the side and 51 mm in the centre of the appliance. This allows it to be opened and closed easily.
- When installing the appliance next to a wall 4, a distance on the hinge side of min. 36 mm is required between the appliance and the wall (handle projection with door open).

- | | |
|------------------------|-------------------------|
| ① Top cupboard | ③ Wall of kitchen units |
| ② Refrigerator/freezer | ④ Wall |

Note on fitting decor panel*

(with white appliances of height H = 1982 mm)

With decor panel and decor frame, you can adapt the appliance to the front of the kitchen units or contrast with them.

The decor panels can be obtained from your kitchen furniture supplier. The decor frames can be retrofitted from your kitchen furniture supplier.

If you wish to fit the decor panel yourself, you require a drill or cordless screwdriver to pre-drill the retaining holes. For further assembly instructions and dimensions, please see the assembly instructions included in the retrofit set.

The manufacturer is continually working on the continuous improvement of all types and models. We therefore hope for your understanding that we reserve the right to alter design, equipment and technology without notice.

