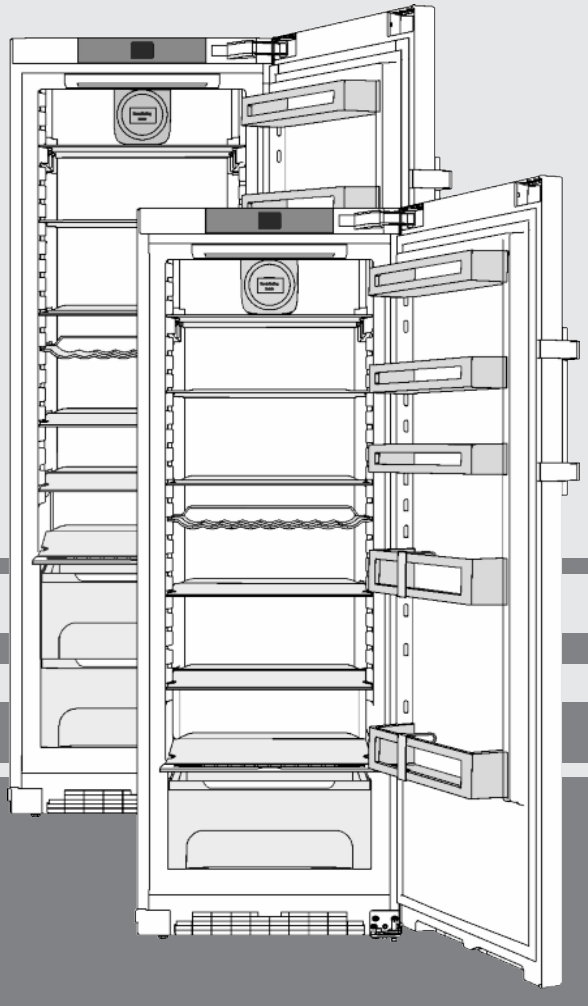
Operating and installation instructions

Upright refrigerator

EN



220216 **7086254 - 01**

K(ef)/ SK(ef) ... C

LIEBHERR

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The manufacturer works constantly on the further development of all the types and models. Therefore please understand that we have to reserve the right to make design, equipment and technical modifications.

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

The instructions apply to several models. Differences may occur. Text relating only to specific appliances is marked with an asterisk (*).

Instructions for action are marked with a ▶, the results of action are marked with a ▷.

1 Appliance at a glance

1.1 Overview of the appliance and its equipment

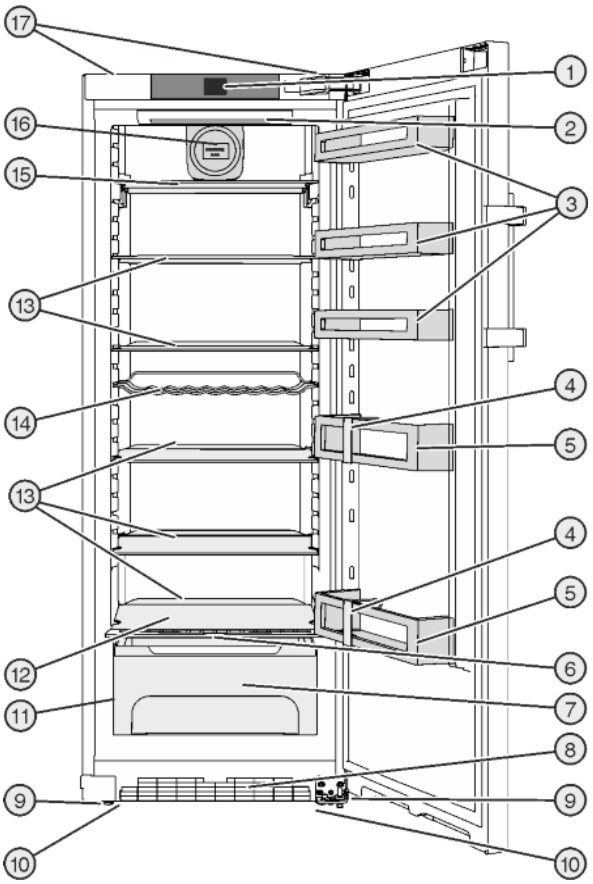


Fig. 1

(1) Operating and control elements
(2) LED interior lighting
(3) Can rack
(4) Bottle rack
(5) Bottle shelf
(6) Humidity adjustment plate
(7) BioCool box, controllable
(8) Ventilation grid
(9) Adjusting feet
(10) Front transport handles, rear transport castors
(11) Model plate
(12) Coldest zone
(13) Shelf
(14) Bottle shelf
(15) Shelf, can be split
(16) Fan, with holder for fresh air filter
(17) Rear transport handles

Note

▶ Shelves, drawers and baskets are arranged for optimum energy efficiency on delivery.

1.2 Appliance range of use

Intended use

The appliance is only suitable for refrigerating food in a domestic or domestic-like environment. This includes, for example, using

- in staff kitchens, bed and breakfast establishments,
- by guests in country houses, hotels, motels and other accommodation,
- for catering and similar services in the wholesale trade.

All other types of use are not permitted.

Foreseeable misuse

The following applications are expressly forbidden:

- Storing and refrigerating medicines, blood plasma, laboratory preparations or similar substances and products based on the Medical Device Directive 2007/47/EC
- Use in areas at risk of explosions
- Use on moving substrates, such as ships, rail travel or aeroplanes
- Storing live animals

Misusing the appliance may lead to damage to the goods stored or they may spoil.

Climate classifications

Depending on the climate classification the appliance is designed to operate in restricted ambient temperatures. The climate classification applying to your appliance is printed on the rating plate.

Note

▶ Keep to the specified ambient temperatures in order to guarantee that the appliance works properly.

Climate classification	for ambient temperatures of
SN	10 °C to 32 °C
N	16 °C to 32 °C
ST	16 °C to 38 °C
T	16 °C to 43 °C

1.3 Conformity

The refrigerant circuit is tested for leakage. The appliance complies with the relevant safety regulations and EC Directives 2006/95/EC, 2004/108/EC, 2009/125/EC and 2010/30/EU.

1.4 Setup dimensions

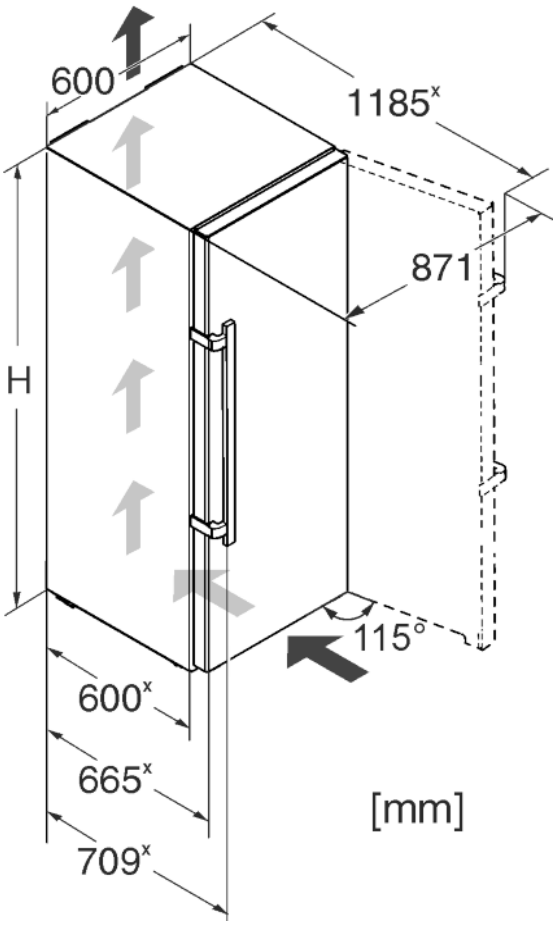


Fig. 2

Model	Appliance height H (mm)
K(ef) 37..	1650
K(ef) 43.. / SK(ef) 43..	1850

x If you are using wall spacers, add 15 mm (see 4.2) to the dimensions.

With the door open, the dimensions apply to an opening angle of 115 °. Distances vary according to the opening angle.

1.5 Saving energy

- Pay attention to good ventilation. Do not cover ventilation holes or grids.
- Always keep the fan air slits clear.
- Do not install the appliance in direct sunlight, next to an oven, radiator or similar.
- Energy consumption depends on the installation conditions, e.g. the ambient temperature (see 1.2) .
- Open the appliance for as short a time as possible.
- The lower the temperature is set the higher the energy consumption.
- Sort food before arranging (see Appliance at a glance).
- Store all food well packaged and covered. A build up of frost is avoided.
- Only take food out for as long as necessary so that it doesn't warm up too much.
- Inserting hot food: let it cool to room temperature first.

1.6 Example of food arrangement

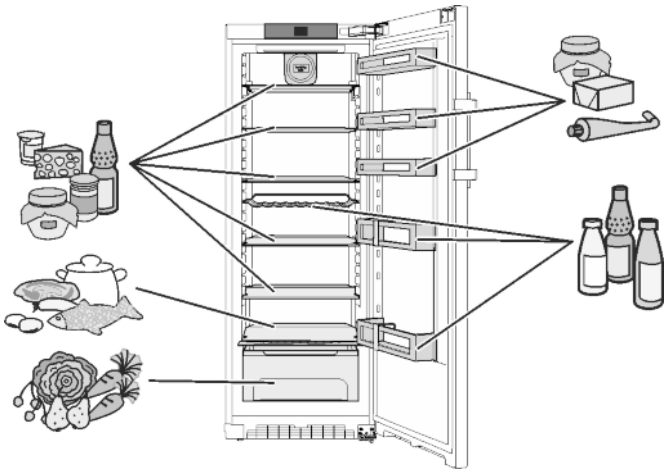


Fig. 3

1.7 Smart device

The appliance is ready for integration into a smart home and for extended services. Other options can be selected with a SmartDeviceBox. This is activated via the MyLiebherr customer portal.



You will find more information about availability and pre-requisites and the individual options on the website www.smartdevice.liebherr.com.

2 General safety information

Danger for the user:

- This appliance can be used by children of 8 years old and over, and also by persons with restricted physical, sensory or mental capacity or lack of experience and knowledge, if they are supervised or have been instructed on safe use of the appliance and understand the resulting risks. Children must not be allowed to play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.
- When disconnecting the appliance from the supply, always take hold of the plug. Do not pull the cable.
- In the event of a fault pull out the mains plug or deactivate the fuse.
- Do not damage the mains power cable. Do not operate the appliance with a defective mains power cable.
- Only customer service or other specially trained staff may repair or perform other operations on the appliance.
- Only assemble, connect and dispose of the appliance according to the instructions.
- Please keep these instructions in a safe place and pass them on to any subsequent owners.
- Special lights, such as LED lights on the appliance, are used to illuminate the interior of the appliance and are not suitable for room lighting.

Fire hazard:

- The refrigerant R 600a is environmentally friendly but flammable. Escaping refrigerant may ignite.
  - Do not damage the refrigerant circuit pipes.
  - Do not allow naked flames or ignition sources to enter the appliance.
  - Do not use any electrical appliances in the interior (e.g. steam cleaners, heaters, ice cream maker etc.).
  - If refrigerant escapes: remove any naked flames or sources of ignition from the leakage area. Ventilate the room well. Notify the after-sales service.
- Do not store explosives or sprays using combustible propellants such as butane, propane, pentane, etc. in the appliance. To identify these spray cans, look for the list of contents printed on the can, or a flame symbol. Gases possibly escaping may ignite due to electrical components.
- Keep burning candles, lamps and other items with naked flames away from the appliance so that they do not set the appliance on fire.
- Please be sure to store alcoholic drinks or other packaging containing alcohol in tightly closed containers. Any alcohol that leaks out may be ignited by electrical components.

Danger of tipping and falling:

- Do not misuse the plinth, drawers, doors etc. as a step or for support. This applies particularly to children.

Danger of food poisoning:

- Do not consume food which has been stored too long.

Danger of frostbite, numbness and pain:

- Avoid lasting skin contact with cold surfaces or refrigerated/frozen food or take protective steps, e.g. wear gloves. Do not consume ice cream, water ice or ice cubes immediately and do not consume them too cold.

Danger of injury and damage:

- Hot steam can lead to injury. Do not use electrical heating or steam cleaning equipment, open flames or defrosting sprays to defrost.
- Do not use sharp implements to remove the ice.

Danger of crushing:

- Do not hold the hinge when opening and closing the door. Fingers may get caught.

*** Depending on model and options**

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Symbols on the appliance:

	The symbol can be located on the compressor. It refers to the oil in the compressor and indicates the following danger: Swallowing or inhaling can be fatal. This is only relevant for recycling. There is no danger in normal operation.

Please observe the specific information in the other sections:

	DANGER	identifies a situation involving direct danger which, if not obviated, may result in death or severe bodily injury.
	WARNING	identifies a dangerous situation which, if not obviated, may result in death or severe bodily injury.
	CAUTION	identifies a dangerous situation which, if not obviated, may result in minor or medium bodily injury.
	NOTICE	identifies a dangerous situation which, if not obviated, may result in damage to property.

	Note	identifies useful information and tips.

3 Controls and displays

3.1 Home screen

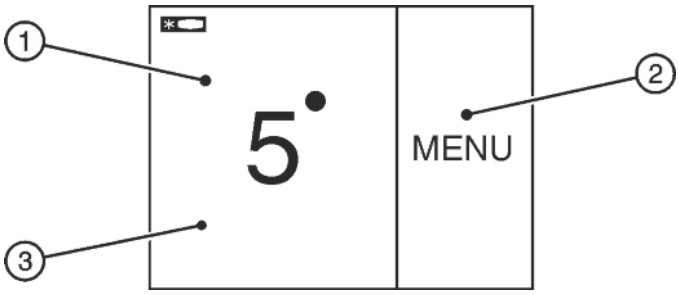


Fig. 4

(1) Fridge compartment field
(2) Menu field
(3) Screen

The home screen is the first screen the user sees. All settings can be made from there.

All functions can be called up by touching the screen and values can be changed.

3.2 Operating structure

Fridge compartment field

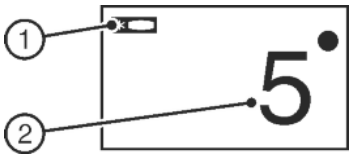


Fig. 5

(1) Fridge compartment symbol
(2) Fridge compartment temperature display

The fridge compartment temperature is displayed in the fridge compartment field.

The following settings can be entered:

- Temperature settings
- Switch off appliance. Screen remains functional.

Menu field

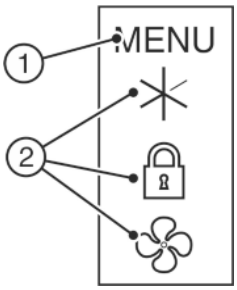


Fig. 6

(1) Main menu
(2) Option selected

The menu field gives access to the appliance options and settings. Selected options are also displayed.

3.3 Navigation

Touch the menu to access the individual options. An audible signal sounds after confirming an option or a setting. The display switches to the home screen.

The appliance is operated using the following symbols:



Standby:

Switches the appliance or temperature zone on.

MENU

Menu:

Calls up options.



Minus / Plus:

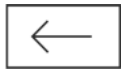
Changing settings (e.g. adjusting temperatures).



Left/right navigation arrow:

Selects options and navigates through the menu.

You can scroll through the individual options using the navigation arrows. The first option is displayed again after the last one.



Back:

Cancels the selection.

The display switches to the next higher level or to the home screen

OK

OK:

Confirms the selection.

After confirmation the display switches to the home screen.

ON OFF

START STOP

ON / OFF, START / STOP

Starts/ stops options.

After selecting or cancelling an option the display switches to the home screen.

RESET

RESET:

Resets timer.



Access to customer service

Note

If no selection is made after 1 minute the display switches to the home screen.

3.4 Display symbols

Display symbols provide information on the current appliance status:



Up arrows:

The temperature increases.



Down arrows:

The temperature reduces.



Standby:

The appliance or temperature zone is switched off.



Messages:

There are active error messages and reminders.

3.5 Appliance options

You can select or set the following options; explanations and setting options, (see Control):

Symbol	Option
	SuperCool[x]
	Fan[x]
	SabbathMode
	Child safety device[x]
	Temperature unit

[x] If the option is selected, the relevant symbol is displayed in the menu field.

If more than 6 selected options are selected only 4 options are displayed in the menu field. The other options are displayed by pressing the bottom navigation arrow. Pressing the navigation arrow repeatedly takes you back to the home screen.

The symbol disappears if the option ends or is disabled.

4 Putting into operation

4.1 Transporting the appliance

CAUTION

Risk of injury and danger of damage as a result of incorrect transport!

- ▶ Transport the appliance in a packed condition.
- ▶ Transport the appliance upright.
- ▶ Do not transport the appliance without assistance.

4.2 Installing the appliance

WARNING

Fire hazard due to dampness!

If live parts or the mains lead become damp this may cause short circuits.

- ▶ The appliance is designed for use in enclosed areas. Do not operate the appliance outdoors or in areas where it is exposed to splash water or damp conditions.

WARNING

Risk of fire due to short circuit!

If the mains cable/connector of the appliance or of another appliance touch the rear of the appliance, the mains cable/connector may be damaged by the appliance vibrations, leading to a short circuit.

- ▶ Stand the appliance so that it is not touched by connectors or main cables.
- ▶ Do not plug the appliance or any others into sockets located near the rear of the appliance.

WARNING

Fire hazard due to refrigerant!

The refrigerant R 600a is environmentally friendly but flammable. Escaping refrigerant may ignite.

- ▶ Do not damage the piping of the refrigeration circuit.

WARNING

Fire hazard and danger of damage!

- ▶ Do not place appliances emitting heat e.g. microwaves, toasters etc. on the appliance!

WARNING

Blocked ventilation openings pose a risk of fire and damage!

- ▶ Always keep the ventilation openings clear. Always ensure that the appliance is properly ventilated!

NOTICE

Risk of damage due to condensate!

- ▶ Do not install the appliance directly alongside a further refrigerator/freezer.

- ❑ In the event that the appliance is damaged, contact the supplier immediately before connecting to the mains.
- ❑ The floor at the site must be flat and level.
- ❑ Do not install the appliance in a location where it is exposed to direct radiation of the sun, next to a cooker, heater and similar.
- ❑ Always stand the appliance backed directly to the wall using the enclosed wall spacers (see below).
- ❑ The appliance may be moved only when it is empty.
- ❑ Do not install the appliance without assistance.
- ❑ The more R 600a refrigerant there is in the appliance, the larger the room in which the appliance is standing needs to be. In rooms that are too small, a flammable mix of gas and air may be created if there is a leak. According to the EN 378 standard, every 11 g of R 600a refrigerant requires at least 1 m^3 space in the room for the appliance. The amount of refrigerant in your appliance is on the type plate inside the appliance.

- ▶ Remove the protective film from the outside of the appliance.

NOTICE
Risk of damage from stainless steel care products!
The **stainless steel doors** and **stainless steel side panels** are treated with a premium surface finish.
Stainless steel care products attack these surfaces.

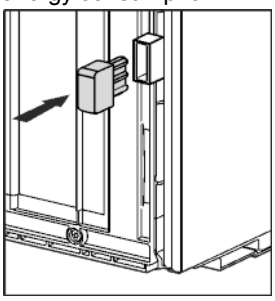


▶ Only use a soft, clean cloth to wipe down **finished door and side panel surfaces** and **painted door and side panel surfaces**. To remove heavy dirt, use a little water or neutral detergent. Alternatively, you can use a micro-fibre cloth.

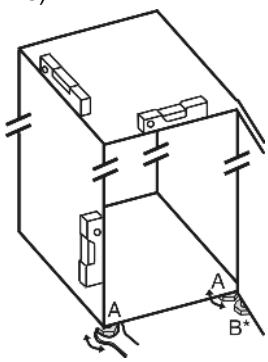
▶ Remove the protective film from the decorative trims.
▶ Remove all transit supports.

Spacers must be used to achieve the declared energy consumption and to prevent condensation in the event of high surrounding humidity. This increases the appliance depth by about 15 mm. The appliance will work perfectly well without the spacers but will have a slightly higher energy consumption.

▶ If your appliance comes with wall spacers, mount these on the back of the appliance, bottom left and right.



▶ Dispose of packaging material (see 4.5) .
▶ Align the appliance so that it stands firmly and on a level by applying the accompanying spanner to the adjustable-height feet (A) and using a spirit level.



▶ Then support the door: Use saddle wrench SW10 to unscrew the base on mounting block (B) until it makes contact with the ground, then continue turning it for a further 90°.

Note
▶ Clean the appliance (see 6.3) .

If the appliance is installed in a very damp environment, condensate may form on the outside of the appliance.
▶ Always see to good ventilation at the installation site.

4.3 Reversing the door

If necessary, you can change the way the door opens:

Ensure that the following tools are available:

❑ Torx® 25 (T25)
❑ Torx® 15 (T15)
❑ Slotted screwdriver
❑ Saddle wrench SW10
❑ Spirit level
❑ Open-ended wrench supplied with the T25 tool
❑ If necessary, a cordless screwdriver
❑ Get a stepladder if necessary
❑ If necessary, a second person for assembly

4.3.1 Remove the door

Note
▶ Remove any food from the door racks before removing the door, so that no food falls out.

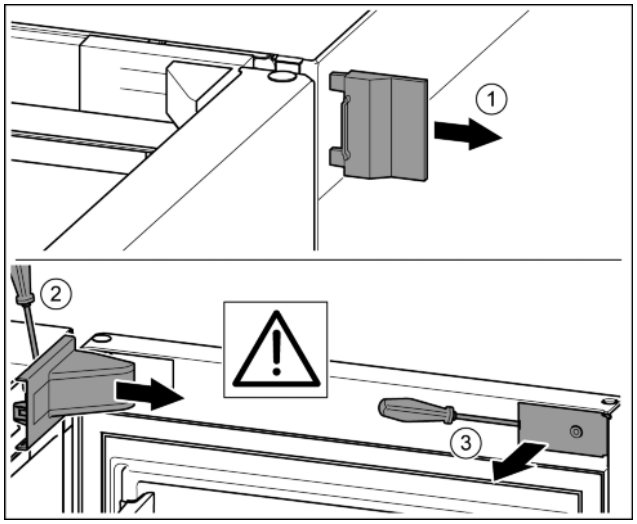


Fig. 7
▶ Open the door.

NOTICE
Risk of damage!
If the door seal is damaged, the door may fail to close properly and the cooling will be inadequate.
▶ Do not damage the door seal with the screwdriver!

▶ Remove the outer cover. *Fig. 7 (1)*
▶ Unlatch and undo the bearing bracket cover with a screwdriver. Remove the bearing bracket cover. *Fig. 7 (2)*
▶ Unlatch the cover plate with a slotted screwdriver and swivel it to one side. *Fig. 7 (3)*

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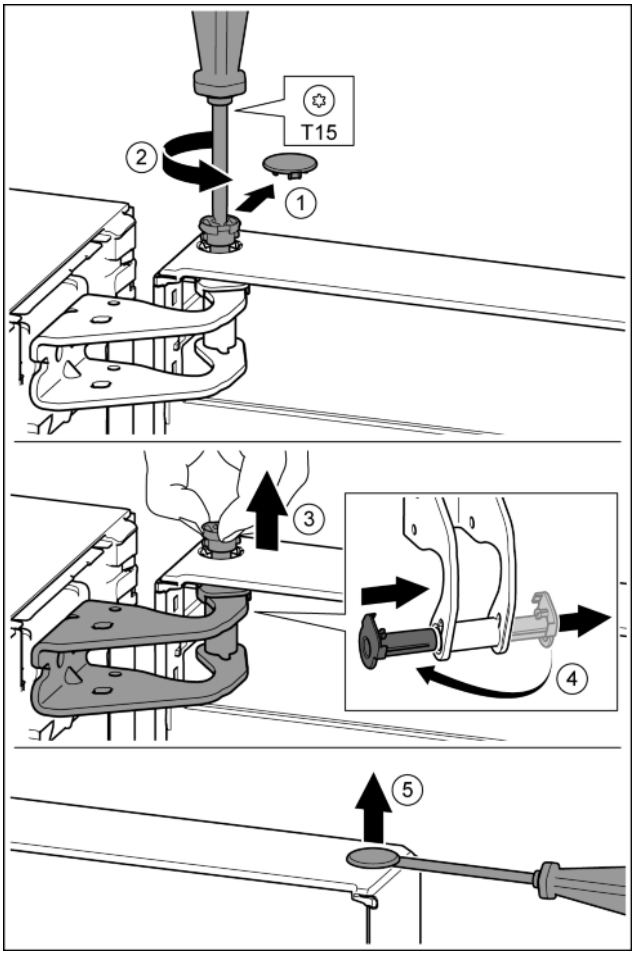


Fig. 8

CAUTION
Risk of injury if the door tips!
- ▶ Take good hold of the door.
- ▶ Set down the door carefully.

- ▶ Carefully remove the safety cover. *Fig. 8 (1)*
- ▶ Undo the bolt a little with a T15 screwdriver. *Fig. 8 (2)*
- ▶ Hold the door and remove pins with your fingers. *Fig. 8 (3)*
- ▶ Pull the bearing bush out of the guide. Insert from the other side and click into place. *Fig. 8 (4)*
- ▶ Lift door and place to one side.
- ▶ Carefully lift the plugs out of the door bearing bush with a slotted screwdriver and remove. *Fig. 8 (5)*

4.3.2 Changing the upper storage parts

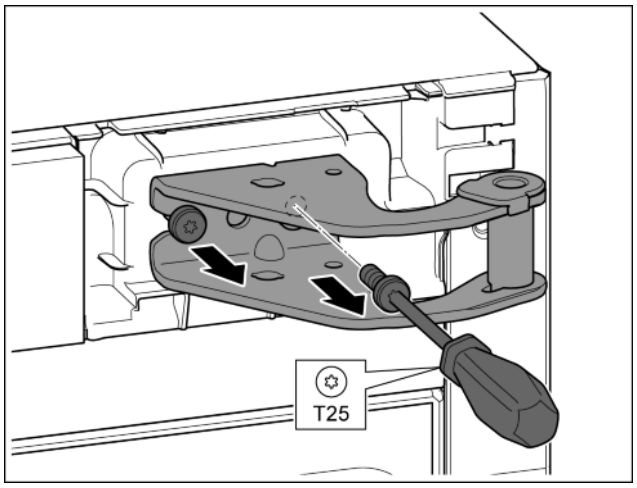


Fig. 9

- ▶ Remove both screws with the T25 screwdriver.
- ▶ Lift and remove the mounting block.

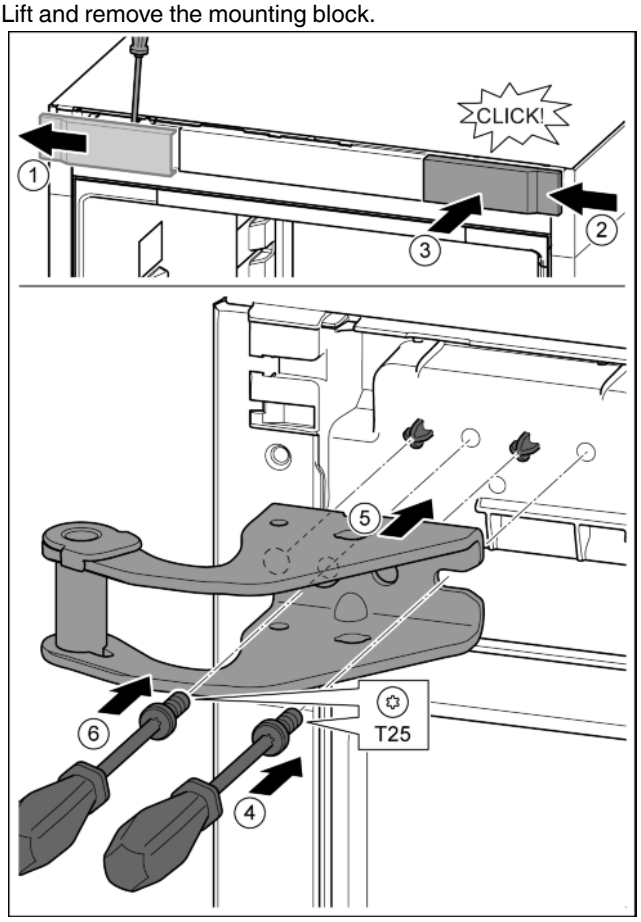


Fig. 10

- ▶ Undo the cover with a screwdriver and remove sideways. *Fig. 10 (1)*
- ▶ Rotate the cover 180° and clip onto the other side from the right. *Fig. 10 (2)*
- ▶ Click the cover into place. *Fig. 10 (3)*
- ▶ Position the screw with a T25 screwdriver. *Fig. 10 (4)*
- ▶ Position the upper bearing bracket. *Fig. 10 (5)*
- ▷ Place the pins in the screw holes provided.
- ▶ Tighten the screw. *Fig. 10 (4)*
- ▶ Insert the screw with a T25 screwdriver and tighten. *Fig. 10 (6)*

4.3.3 Changing the lower storage parts

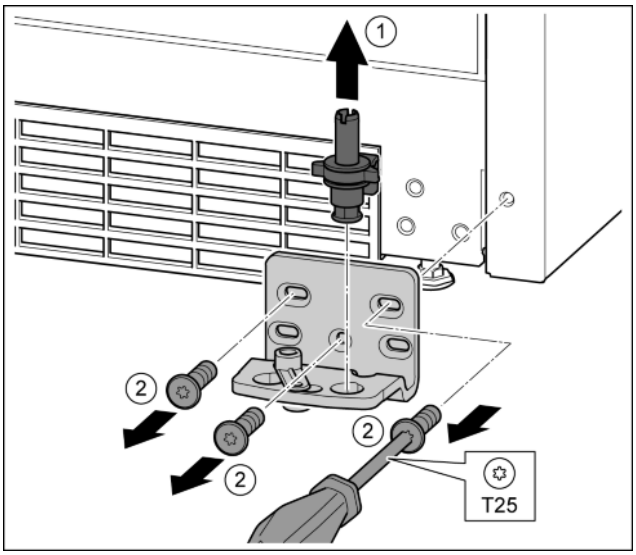


Fig. 11

- ▶ Lift the bearing bolts upwards and remove. *Fig. 11 (1)*
- ▶ Undo the screws with a T25 screwdriver and remove the mounting block. *Fig. 11 (2)*

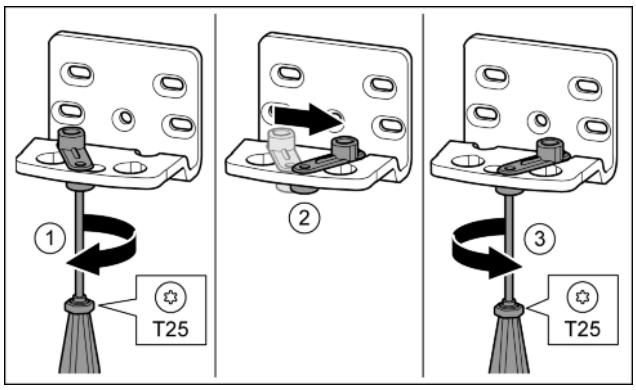


Fig. 12

- ▶ Loosen screw using a T25 screwdriver. *Fig. 12 (1)*
- ▶ Lift the door closure aid and turn it 90° to the right in the hole. *Fig. 12 (2)*
- ▶ Tighten screw using a T25 screwdriver. *Fig. 12 (3)*

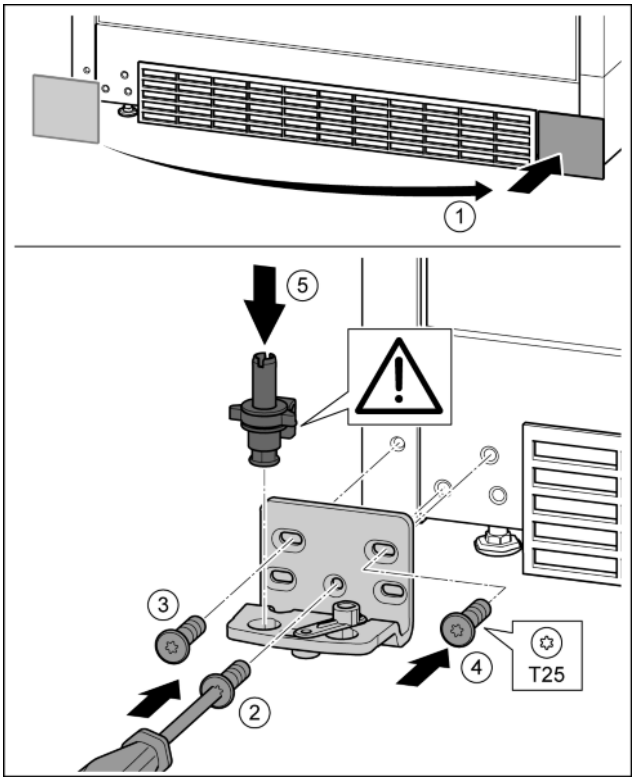


Fig. 13

- ▶ Remove the cover and fix onto the other side. *Fig. 13 (1)*
- ▶ Place the bearing bracket on the other side and screw in with the T25 screwdriver. Start with screw 2 at the bottom in the middle. *Fig. 13 (2)*
- ▶ Screw in screws 3 and 4. *Fig. 13 (3, 4)*
- ▶ Insert the bearing bolts completely. Ensure here that the catch mechanism points backwards. *Fig. 13 (5)*

4.3.4 Changing door on storage parts

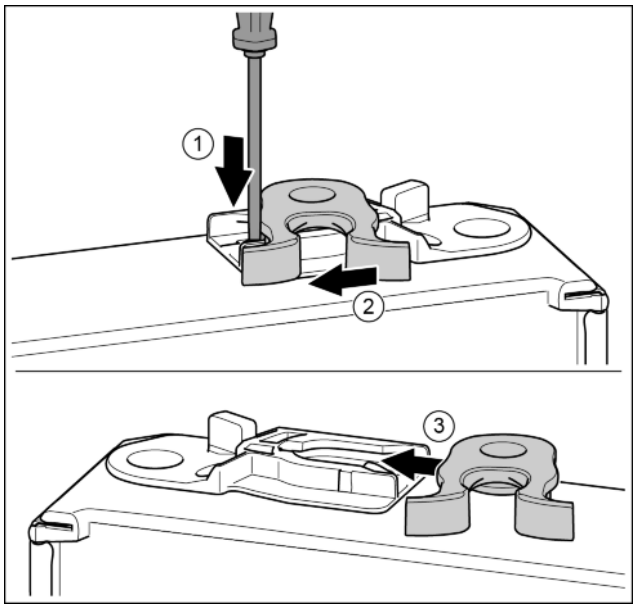


Fig. 14

- ▶ Underside of door faces upwards: Turn the door.
- ▶ Push the lug downwards with a slotted screwdriver. *Fig. 14 (1)*
- ▶ Pull the door latch out of the guide. *Fig. 14 (2)*
- ▶ Push the door latch into the guide on the other side. *Fig. 14 (3)*
- ▶ Upper side of door faces upwards: Turn the door.

4.3.5 Changing the handles

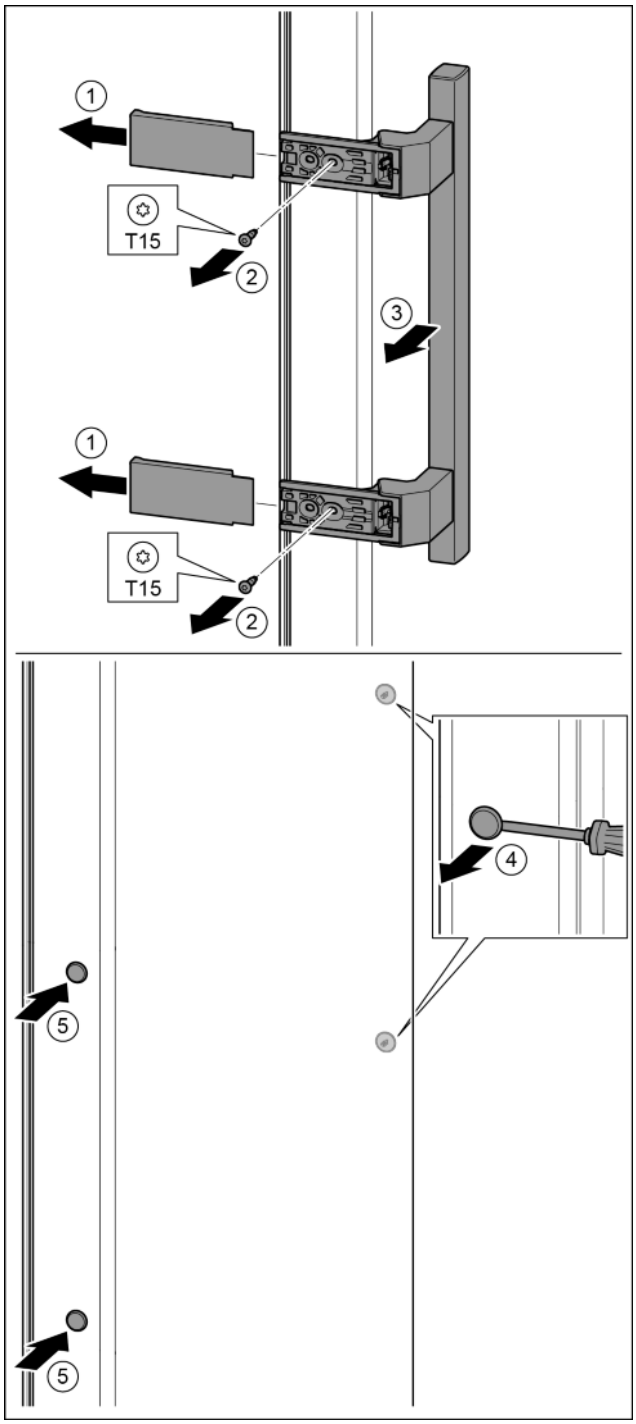


Fig. 15

- ▶ Remove the cover. *Fig. 15 (1)*
- ▶ Remove the screws with the T15 screwdriver. *Fig. 15 (2)*
- ▶ Remove the handle. *Fig. 15 (3)*
- ▶ Carefully lift up the plugs and remove them with a slotted screwdriver. *Fig. 15 (4)*
- ▶ Insert the plugs again on the other side. *Fig. 15 (5)*

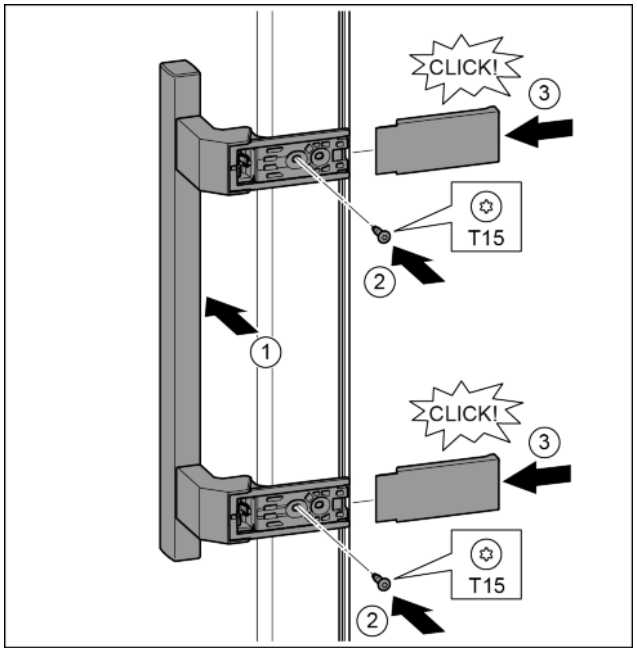


Fig. 16

- ▶ Position the handle on the other side. *Fig. 16 (1)*
- ▷ The screw holes must be exactly above each other.
- ▶ Tighten the screws with the T15 screwdriver. *Fig. 16 (2)*
- ▶ Position the covers on the side and push in. *Fig. 16 (3)*
- ▷ Ensure that it clicks into place.

4.3.6 Fit door

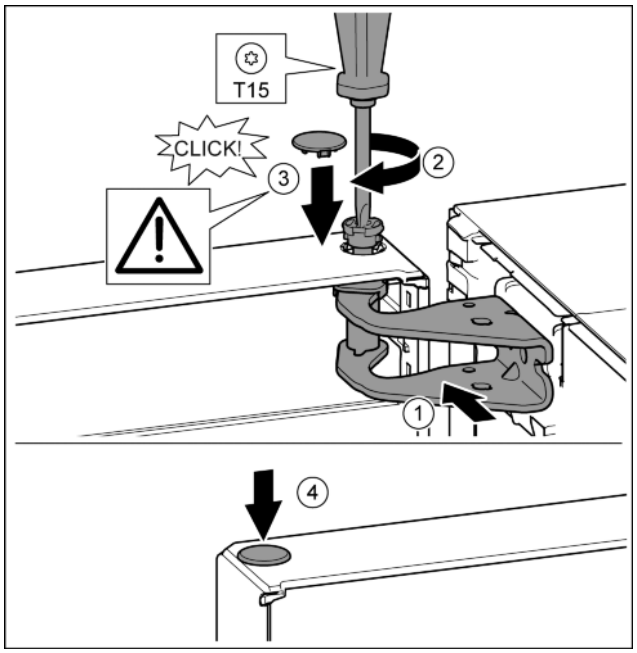


Fig. 17

- ▶ Place the upper door onto the lower bearing bolt.
- ▶ Align top of door with aperture in mounting block. *Fig. 17 (1)*
- ▶ Insert the bolt and tighten with a T15 screwdriver. *Fig. 17 (2)*
- ▶ Fit protective cover to protect the door: Install protective cover and check that it is attached to the door. If not, insert the bolt fully. *Fig. 17 (3)*
- ▶ Insert the plugs. *Fig. 17 (4)*

4.3.7 Align the door

WARNING
Risk of injury due to the door dropping out!
If the bearing parts are not screwed into place firmly enough, the door may drop out. This may lead to severe injuries. What is more, the door may not close and therefore the appliance may fail to cool properly.
▶ Screw the turn hinges firmly into place with 4 Nm.
▶ Check all of the screws and retighten if necessary.

▶ It may be necessary align the door to be flush at the bottom with the appliance housing: if so, use the two slots for this operation. To do this undo the middle screw in the bottom bearing bracket with the T25 tool supplied. Undo the remaining screws a little with the T25 tool or with a T25 screwdriver and align over the slotted holes.
▶ Support the door: Use saddle wrench SW10 to unscrew and remove the base on the mounting block until it makes contact with the ground, then continue turning it for a further 90°.

4.3.8 Fit the covers

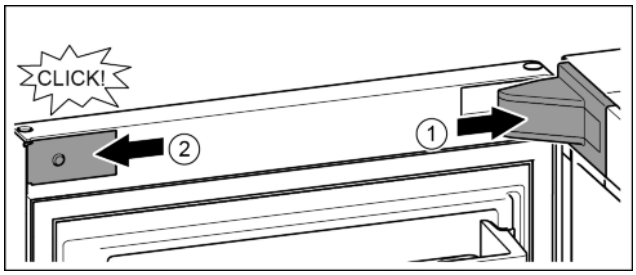


Fig. 18
The door is open 90°.
▶ Put the mounting block cover on and click into place. If necessary push apart carefully. *Fig. 18 (1)*
▶ Position the cover plate on the side and click into place. *Fig. 18 (2)*

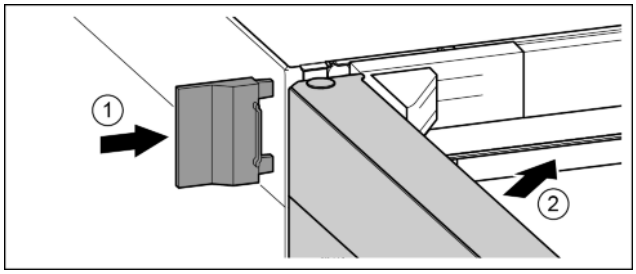


Fig. 19
▶ Push the external cover on. *Fig. 19 (1)*
▶ Close the upper door. *Fig. 19 (2)*

4.4 Insertion into a row of kitchen units

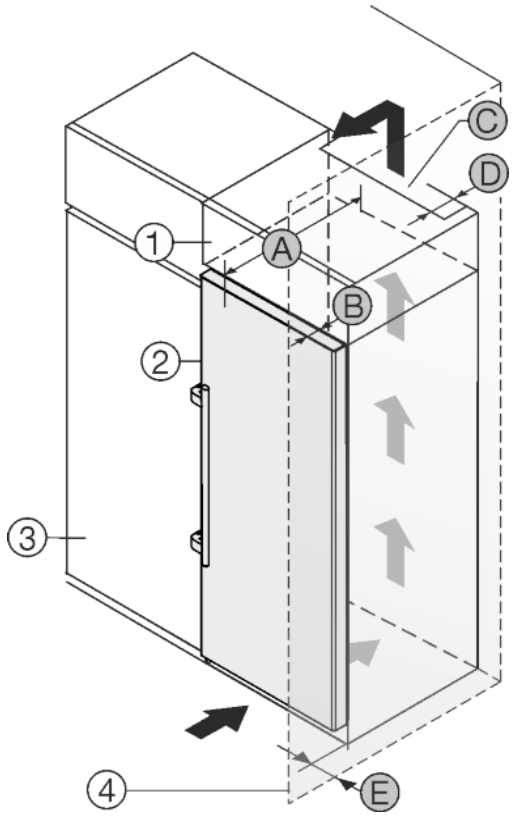


Fig. 20

A [mm]	B [mm]	C [cm²]	D [mm]	E [mm]
665 x	65 x	at least 300	at least 50	at least 40

x If wall spacers are used, the dimensions increase by 15 mm (see 4.2) .

The appliance can be built into kitchen units. A top cupboard *Fig. 20 (2)* can be added above the appliance in order to bring the appliance *Fig. 20 (1)* up to the height of the fitted kitchen units.

The appliance can be installed right next to the kitchen cabinet *Fig. 20 (3)*. The appliance must stick out by the depth *Fig. 20 (B)* from the front of the cabinet so that the doors can be opened fully. The appliance may protrude further depending on the depth of the kitchen cabinets and whether wall spacers are used.

NOTICE
Danger of overheating due to insufficient air ventilation!
The compressor may be damaged if there is insufficient air ventilation.
▶ Take care to ensure adequate air ventilation.
▶ Observe the ventilation requirements.

Ventilation requirements:

- Spacer ribs on the back of the appliance provide sufficient air ventilation. In the final appliance position, these must not be placed in recesses or cut-outs.
- There must be a ventilation shaft with the depth *Fig. 20 (D)* at the back of the top cupboard over the entire width of the cupboard.
- The ventilation shaft *Fig. 20 (C)* must be observed under the ceiling.
- the larger the ventilation space, the more energy-saving the appliance is in operation.

If the appliance is installed with the hinges next to a wall *Fig. 20 (4)* the distance *Fig. 20 (E)* between the appliance and the wall must be observed. This is how far the handle protrudes when the door is open.

4.5 Disposing of packaging

WARNING
Danger of suffocation due to packing material and plastic film!
▶ Do not allow children to play with packing material.

The packaging is made of recyclable materials:
- corrugated board/cardboard
- expanded polystyrene parts
- polythene bags and sheets
- polypropylene straps
- nailed wooden frame with polyethylene panel*

▶ Take the packaging material to an official collecting point.

4.6 Connecting the appliance

WARNING
Failure to connect properly
Fire.
▶ Do not use an extension cable.
▶ Do not use distributor blocks.

NOTICE
Failure to connect properly
Damage to the electronics.
▶ Do not use a standalone inverter.
▶ Do not use an energy saving plug.

Note
Only use the power connection lead supplied.
▶ A longer power connection lead can be ordered from Customer Service.

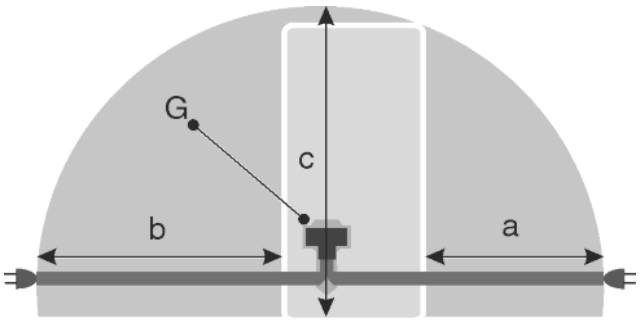


Fig. 21

a	b	c	G
~ 1400 mm	~ 1800 mm	~ 2100 mm	Appliance plugs

Ensure that the following conditions are met:
- The type of current and voltage at the installation site correspond to the information on the model plate (see Appliance at a glance).
- The socket is earthed according to the regulations and fused.
- The fuse tripping current is between 10 and 16 A.
- The socket is easily accessible.
- The socket is outside the back of the appliance area in the specified area *Fig. 21 (a, b, c)*.

▶ Check the electrical connection.
▶ Insert the appliance plug *Fig. 21 (G)* into the back of the appliance. Ensure that it clicks into place.
▶ Connect the power plug to the power supply.
▷ The Liebherr logo appears on the screen.
▷ The display switches to the standby symbol.

4.7 Switching on the appliance

Note
Demonstration mode is active: *DemoMode active!*, appears on the screen.
▶ Cancelling demo mode. (see Malfunction).

Connect and switch on appliance approx. 2 hours before loading for the first time.

4.7.1 Switch on appliance

If the standby symbol is displayed over the whole screen:
▶ Press the standby symbol.
▷ The appliance is switched on. The display switches to the home screen.
▷ The appliance sets itself to the displayed temperature. This is shown by down arrows.

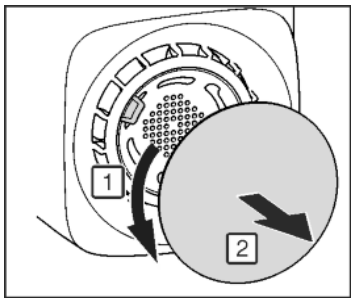
If the Standby symbol appears in the fridge compartment field:
▶ Press the standby symbol.
▷ The appliance is switched on.
▷ The appliance sets itself to the displayed temperature. This is shown by down arrows.

If the screen is black:
▶ Touch the screen.
▷ The standby symbol appears on the whole screen.
▶ Press the standby symbol.
▷ The appliance is switched on. The display switches to the home screen.
▷ The appliance sets itself to the displayed temperature. This is shown by down arrows.

4.8 Inserting the FreshAir filter.

The supplied FreshAir filter can be used for optimum air quality.

The retainer is located in the top of the fridge compartment. (see Appliance at a glance)
▶ Remove cover.



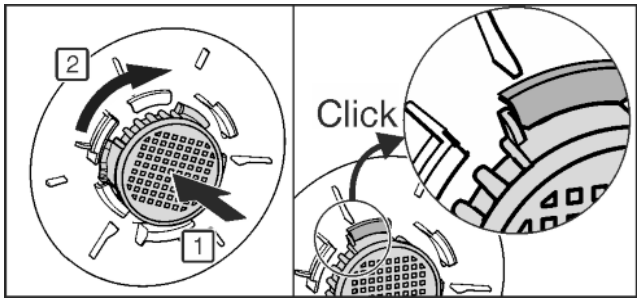


Fig. 22

▶ Place the FreshAir filter into the cover and turn to the right.
▶ Ensure that the filter clicks into place.
▶ Replace the cover again.

* Depending on model and options

Setting the timer

▶ Press menu.
▶ Press the navigation arrows until the FreshAir filter is displayed.
▶ Press the FreshAir filter symbol.
▶ Press ON.
▷ The timer is set. After the interval has expired a message prompts you to change the FreshAir filter.

4.9 Setting the clean ventilation grid timer

The ventilation grid must be cleaned at least once a year for sufficient ventilation. The timer can be set as a reminder.

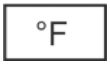
▶ Press menu.
▶ Press the navigation arrows until the ventilation grid is displayed.
▶ Press the ventilation grid symbol.
▶ Press ON.
▷ The timer is set. After the interval has expired a message prompts you to clean the ventilation grid.

5 Control

5.1 Changing the temperature unit

The temperature display can be switched from °C to °F.

▶ Press menu.
▶ Press the navigation arrow until °C is displayed.
▶ Press °F.
▷ The temperature is displayed in °F.



Switch from °F to °C in the same way.

5.2 Child proofing

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

5.2.1 Switching on the child safety device

▶ Press menu.
▶ Press the navigation arrows until the child safety device is displayed.
▶ Press ON.
▷ The child safety device is switched on.

5.2.2 Switching the child safety device off

▶ Press menu.
▶ Press the navigation arrows until the child safety device is displayed.
▶ Press OFF.
▷ The child safety device is switched off.

5.3 Sabbath Mode

This function meets the religious requirements on the Sabbath or Jewish feast days. When Sabbath mode is on some of the electronic control functions are switched off. After setting Sabbath mode you no longer need to worry about indicator lamps, figures, symbols, displays, alarm messages and fans. The thawing cycle only works for the specified time without taking account of fridge use. After a power cut the appliance automatically switches back to Sabbath mode.

WARNING
Danger of food poisoning.
If a power cut occurs when Sabbath mode is enabled, this message is not saved. Once the power is restored the appliance continues to work in Sabbath mode. When this mode is over no message about the power cut is displayed on the temperature display.
If a power cut occurred during Sabbath mode:

▶ Check the food for quality. Do not eat the food if it has thawed.

- All functions are blocked until Sabbath mode is switched off.
- If functions such as SuperFrost, SuperCool, ventilation etc. are selected when Sabbath mode is switched on they remain switched on.
- No audible signals are emitted and the temperature display does not indicate any warnings or settings (such as a temperature alarm or door alarm).
- The internal light is off.

5.3.1 Switching SabbathMode on.

▶ Press menu.
▶ Press the navigation arrow until SabbathMode is displayed.
▶ Press ON.
▷ SabbathMode is switched on. Only the SabbathMode symbol appears on the screen.

SabbathMode switches off automatically after 120 hours if it has not already been switched off manually. The display switches to the home screen.

5.3.2 Switch off the SabbathMode

▶ Touch the screen.
▶ Press OFF.
▷ SabbathMode is switched off.

5.4 Food refrigeration

Note
The energy consumption increases and the cooling performance decreases if the ventilation is inadequate.

▶ Always keep the air slits of the fan free.

▶ Store perishable food such as ready-to-serve dishes, meat products and sausages in the coldest zone. Place butter and preserves in the upper area and in the door (see Appliance at a glance).
▶ Use recyclable plastic, metal, aluminium and glass containers and cling film for wrapping.
▶ Always store liquids and food which is subject to odour or taste transfer in closed containers or cover them.
▶ Foods which give off a large amount of ethylene gas and delicate foods, such as fruit, vegetables, salad, should always be stored separately or wrapped so as not to reduce the storage life; e.g. do not store tomatoes together with kiwis or cabbage.
▶ Use the front area of the refrigerator compartment floor only for briefly putting down cooled products, e.g. when rearranging and sorting. However do not leave cooled products there otherwise they may be pushed back or tipped over when the door is closed.
▶ Do not store food too close together to enable good air circulation.

5.5 Setting the temperature

The temperature depends on the following factors:

- the frequency of opening the door

- the room temperature of the installation location
- the type, temperature and quantity of the food

The temperature can be set from 9 °C to 1 °C.

Recommended temperature setting: 5 °C

▶ Press the fridge compartment field.
▷ The following screen is displayed:

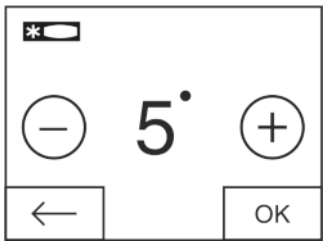


Fig. 23

Setting a higher temperature:

▶ Press plus.

Setting a lower temperature:

▶ Press minus.

The minus symbol is greyed out when the coldest temperature is selected.

The plus symbol is greyed out if it is pressed again after selecting the hottest temperature. The standby symbol is displayed on the screen.

▶ Confirm the required temperature with OK.
▷ The display switches to the home screen.
▷ The selected temperature is displayed.
▷ Up or down arrows indicate the change in temperature. The arrows are greyed out when the target temperature is reached.

5.6 SuperCool

With SuperCool you switch to the highest cooling performance to reach lower cooling temperatures. Use SuperCool, to rapidly cool large amounts of food.



When SuperCool is activated, the fan* may run. The appliance operates with maximum cooling performance, which means that the noise of the refrigeration unit may be temporarily louder.

The SuperCool function uses slightly more energy.

5.6.1 Switching on SuperCool

▶ Press menu.
▶ Press the navigation arrow until SuperCool is displayed.
▶ Press the SuperCool symbol.
▷ The following screen is displayed:

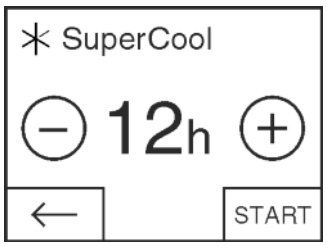


Fig. 24

The running time can be set to four levels.

Setting the running time:

▶ Press plus or minus.

The minus symbol is greyed out when the lowest level is selected.

The plus symbol is greyed out when the highest level is selected.

▶ Confirm the required running time with START.
▷ The display switches to the home screen.
▷ SuperCool is selected.
▷ The remaining running time and the SuperCool symbol are displayed in the fridge compartment field.
▷ The lowered temperature is shown by the down arrows.
▷ After the remaining running time has elapsed the appliance returns to normal mode. The temperature is set to the preset value again. Up arrows show the temperature increase.

5.6.2 Switching SuperCool off ahead of schedule

▶ Press menu.
▶ Press the navigation arrow until SuperCool and the remaining running time are displayed.
▶ Press on the remaining running time.
▶ Press STOP.
▷ SuperCool is switched off.
▷ The temperature is set to the preset value again. Up arrows show the temperature increase.

5.7 Fan

With the fan you can rapidly cool large quantities of fresh food or achieve a relatively even distribution of temperature across all the storage levels.

The forced-air cooling is to be recommended:

- at high room temperature (above33 °C)
- at high humidity

The forced-air cooling uses slightly more energy. To save energy, the fan switches off automatically when the door is open.

5.7.1 Switching on the fan

▶ Press menu.
▶ Press the navigation arrows until the fan is displayed.
▶ Press ON.
▷ The fan is switched on.

5.7.2 To switch off the fan

▶ Press menu.
▶ Press the navigation arrows until the fan is displayed.
▶ Press OFF.
▷ The fan is switched off.

If the compressor is running, the ventilator runs even if it is switched off, to save energy. It switches off automatically 2 minutes after the compressor runtime.

5.8 Shelves

5.8.1 Moving or removing shelves

The shelves have stops preventing them from being unintentionally pulled out.

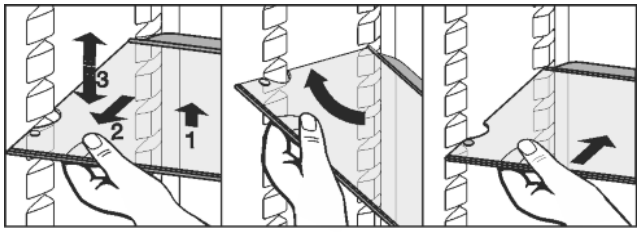


Fig. 25

*** Depending on model and options**

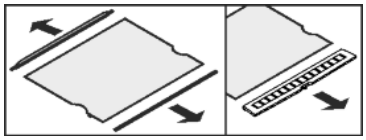
- ▶ Lift the shelf slightly and pull forward a little.
- ▶ Adjust the height of the shelf. To do so, push the cut-outs along the supports.
- ▶ In order to remove the shelf fully, place it at a slant and pull out towards the front.
- ▶ Insert shelf with the raised edge pointing upwards at the back.
- ▷ The food does not freeze onto the rear wall.

When storing and removing food on the top shelf, please pay attention to the fold-out interior lighting.

Do not store any goods on the humidity regulation plate of the bottom shelf.

5.8.2 Dismantling shelves

▶ The shelves can be dismantled for cleaning.



5.9 Using the sectioned shelf

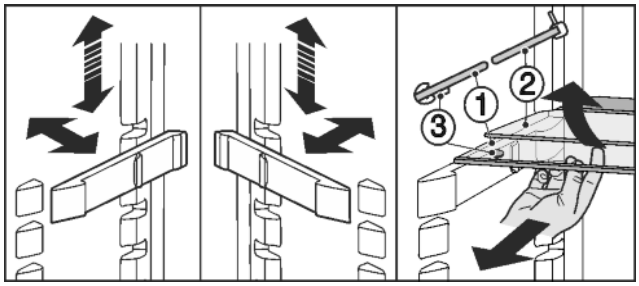


Fig. 26

Adjusting the height:

- ▶ Pull the glass plates out forwards one by one.
- ▶ Remove the support from the catch mechanism and click into place at the required height.

Using both shelves:

- ▶ Lift the top glass plate and pull the bottom glass plate forwards.
- ▷ The glass plate (1) with the pull out stops must be at the front so that the stops (3) point downward.

5.10 Door racks

5.10.1 Moving the storage rack

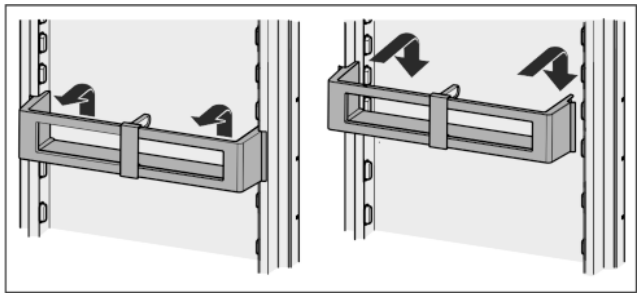


Fig. 27

5.10.2 Dismantling door racks

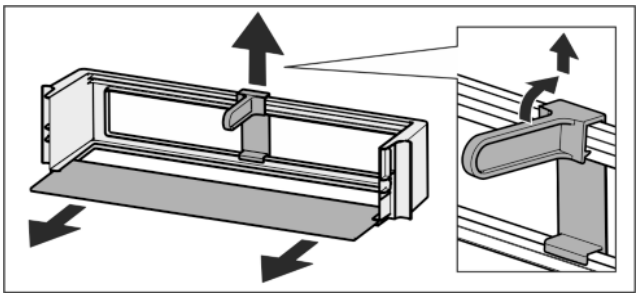
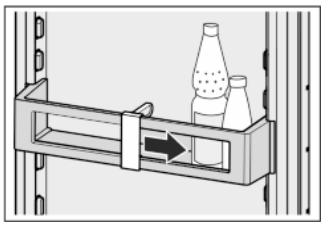


Fig. 28

- ▶ The door racks can be dismantled for cleaning.

5.11 Using the bottle holder

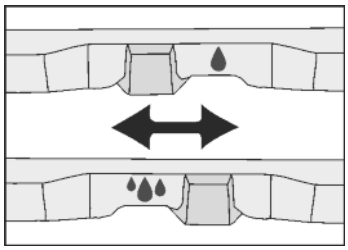
▶ To avoid the bottles tipping over, push the bottle holder along.



5.12 BioCool boxes.

Controlling humidity

- ▶ Low humidity: Move the slide control to the left.
- ▶ High humidity: Move the slide control to the right.



Removing theBioCool box

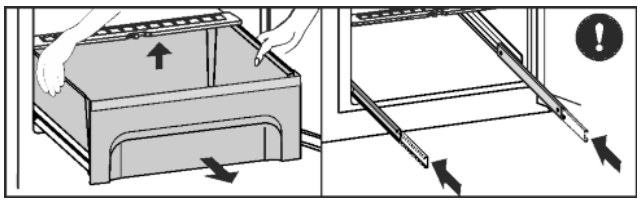


Fig. 29

- ▶ Pull out drawer, lift it at the back and remove it from the front.
- ▶ Slide in the rails.

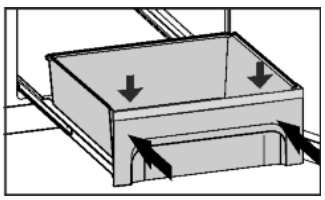


Fig. 30

- ▶ When sliding in the drawer, place it on the rails and slide inwards until you hear it click into place at the back.
- ▶ BioCool boxes can be removed for cleaning purposes.

6 Maintenance

6.1 Change the FreshAir filter.

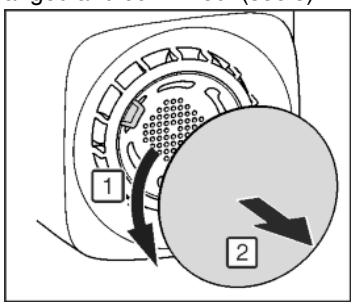
The FreshAir filter guarantees optimum air quality. It should be changed every 12 months. When the timer is set a message on the display prompts you to change it. The FreshAir filter can be ordered from the specialist dealer.
Change FreshAir filter is displayed.



▶ Press the change FreshAir filter symbol
▷ The display switches to the home screen.

The message can be displayed again by pressing on the menu field until the filter has been changed and confirmed. (see 8) .

▶ Remove cover.



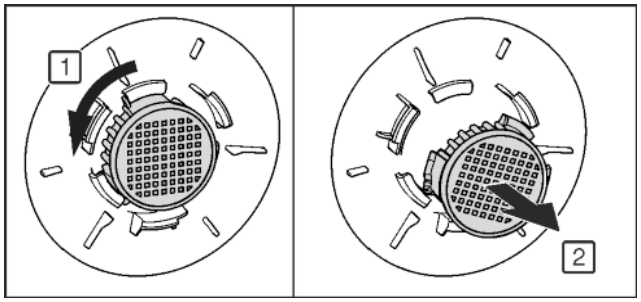


Fig. 31

▶ Remove the FreshAir filter.
▶ Insert the new filter in the reverse order.
▶ Ensure that the filter clicks into place.
▶ Replace the cover again.

Confirming the filter change

▶ Press menu.
▶ Press the navigation arrows until the FreshAir filter is displayed.



▶ Press the FreshAir filter symbol.
▶ Press the navigation arrows until change FreshAir filter is displayed.



▶ Press RESET.



▷ The timer is reset. The change interval starts all over again.

Turning the timer off

If a new FreshAir filter is not inserted the timer can be turned off

▶ Press menu.
▶ Press the navigation arrows until the FreshAir filter is displayed.



▶ Press the FreshAir filter symbol.
▶ Press OFF.
▷ The timer is turned off.

6.2 Cleaning the ventilation grid

The ventilation grid ensures that the appliance works properly due to optimum aeration and ventilation.

▶ Clean the ventilation grid regularly with a vacuum cleaner.
▶ Remove stubborn stains with a soft cloth.

When the timer is set a message on the display prompts you to clean it. The clean ventilation grid symbol appears on the screen.



▶ Press the clean ventilation grid symbol.
▷ The display switches to the home screen.

The message can be displayed again by pressing the menu field until it has been cleaned and this has been confirmed. (see 8) .

Confirming that the ventilation grid has been cleaned

▶ Press menu.
▶ Press the navigation arrows until the ventilation grid is displayed.



▶ Press the ventilation grid symbol.
▶ Press the navigation arrows until clean ventilation grid is displayed.



▶ Press RESET.



▷ The timer is reset. The cleaning interval starts all over again.

Turning the timer off

If the reminder function is to be switched off the timer can be turned off.

▶ Press menu.
▶ Press the navigation arrows until the ventilation grid is displayed.



▶ Press the ventilation grid symbol.
▶ Press OFF.
▷ The timer is turned off.

6.3 Cleaning the appliance

WARNING
Risk of injury and damage as a result of hot steam!
Hot steam can lead to burns and can damage the surfaces.
▶ Do not use any steam cleaners!

NOTICE
Incorrect cleaning damages the appliance!
▶ Do not use cleaning agents in concentrated form.
▶ Do not use any scouring or abrasive sponges or steel wool.
▶ Do not use any sharp or abrasive cleaning agents, nor any that contain sand, chloride or acid.
▶ Do not use chemical solvents.
▶ Do not damage or remove the type plate on the inside of the appliance. It is important for the customer service.
▶ Do not pull off, bend or damage cables or other components.
▶ Do not allow any cleaning water to enter the drain channel, ventilation grille or electrical parts.
▶ Please use soft cleaning cloths and a universal pH-neutral cleaning agent.
▶ Please use cleaning and care products suitable for contact with foodstuffs in the appliance interior.

▶ **Empty appliance.**
▶ **Pull out the power plug.**



▶ Clean **plastic outer and inner surfaces** with lukewarm water and a little washing-up liquid.

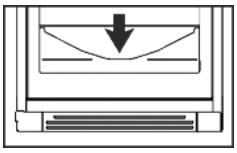
NOTICE
Risk of damage from stainless steel care products!
The **stainless steel doors** and **stainless steel side panels** are treated with a premium surface finish.
Stainless steel care products attack these surfaces.



▶ Only use a soft, clean cloth to wipe down **finished door and side panel surfaces** and **painted door and side panel surfaces**. To remove heavy dirt, use a little water or neutral detergent. Alternatively, you can use a micro-fibre cloth.

Do not treat the lettering on the painted door surfaces with harsh, abrasive agents. Wipe off any dirt with a soft cloth and some water or neutral cleaner.*

▶ Clean **drain hole**: Remove deposits with a narrow instrument, e.g. a cotton bud.



▶ Most of the **parts** can be dismantled for cleaning: see the relevant chapter.
▶ **Clean drawers** by hand with lukewarm water and a little washing up liquid.
▶ All the **other fittings** can be put in the dishwasher.
▶ Only use a damp cloth to clean the **telescopic rails**. The grease in the runners is for lubrication purposes and must not be removed.

After cleaning:
▶ Wipe dry the appliance and items of equipment.
▶ Connect the appliance and switch it on again.
▶ Put the food back inside.

6.4 Customer service

First of all check whether you can eliminate the fault yourself (see Malfunction). If this is not possible, contact Customer Services. You can find the address in the enclosed customer service list.

WARNING
Risk of injury if repair work is not carried out professionally!
▶ Have any repairs and action - not expressly specified - on the appliance and mains cable carried out by service personnel only. (see Maintenance)

Displaying the appliance description (model and index), service no. (service) and serial no. (S. no.) on the screen:
▶ Press menu.
▶ Press the navigation arrows until the appliance information symbol is displayed.
▶ Press the appliance information symbol.
▷ The appliance information is displayed.
▶ Note down the appliance information.
▶ To return to the home screen press the Back symbol.



▶ Close the door.
▶ Contact customer service and give them the required appliance information.
▷ This will help us to provide you with a faster, more accurate service.
▶ Follow any further instructions given by Customer Services.

Alternatively you can read off the appliance information from the model plate:
▶ Read off the appliance name *Fig. 32 (1)*, service no. *Fig. 32 (2)* and serial no. *Fig. 32 (3)* from the model plate. The model plate can be found on the inside of the appliance on the left.

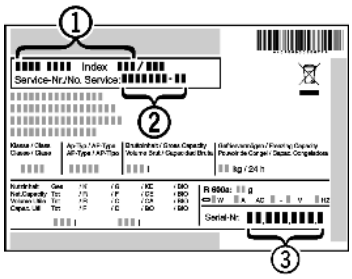


Fig. 32

Licence agreements:
Licences used can be viewed at ©.
▶ © print.

7 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 a handling error. In this case you will have to be charged for the costs incurred, even during the warranty period. You may be able to rectify the following faults yourself:

Appliance does not work.
→ The appliance is not switched on.
▶ Switch on the appliance.
→ The power plug is not properly inserted in the wall socket.
▶ Check power plug.
→ The fuse of the wall socket is not in order.
▶ Check fuse.
→ The appliance plug does not fit the appliance properly.
▶ Check the appliance plug.

The compressor runs for a long time.
→ The compressor switches to a low speed when little cold is needed. Although the running time is increased as a result, energy is saved.
▶ This is normal in energy-saving models.
→ SuperCool is activated.
▶ The compressor runs for longer in order to rapidly cool the food. This is normal.

Excessive noise.
→ Due to the various speed steps, speed-regulated* compressors can generate different running noises.
▶ The sound is normal.

A bubbling and gurgling noise.
→ This noise comes from the refrigerant flowing in the refrigeration circuit.
▶ The sound is normal.

A quiet clicking noise.
→ The noise is produced whenever the refrigeration unit (motor) automatically switches on or off.
▶ The sound is normal.

A hum. It is briefly a little louder when the refrigeration unit (the motor) switches on.
→ The refrigeration increases automatically when the SuperCool function is activated, fresh food has just been placed in the appliance or the door has been left open for a while.
▶ The sound is normal.
→ The ambient temperature is too high.
▶ Solution: (see 1.2)

A low hum.
→ The sound is produced by air flow noise of the fan.
▶ The sound is normal.

Vibratory noise.
→ The appliance is not fixed to the ground. The running of the cooling unit therefore makes objects and adjacent furniture vibrate.
▶ Adjust appliance via the height-adjustable feet.
▶ Move bottles and containers apart.

Flow sound at the soft stop mechanism.
→ The noise is produced when the door is opened and closed.
▶ The sound is normal.

The DEMO symbol appears on the screen. In addition some time elapses.
→ DEMO mode is activated.

▶ Press STOP.

DEMO is displayed in the top right corner of the screen.

→ DEMO mode is activated.

▶ Unplug the appliance.

▶ Plug the appliance in again.

▷ The DEMO symbol appears on the screen. In addition some time elapses.

▶ Press STOP.

The outer surfaces of the appliance are warm*.

→ The heat of the refrigeration circuit is used to prevent condensate from forming.

▶ This is normal.

The temperature is not cold enough.

→ The door of the appliance is not properly closed.

▶ Close the door of the appliance.

→ Insufficient ventilation.

▶ Keep ventilation grille clear, and clean it.

→ The ambient temperature is too high.

▶ Solution: (see 1.2) .

→ The appliance was opened too frequently or for too long.

▶ Wait to see whether the appliance reaches the required temperature by itself. If not, please contact the after sales service (see Maintenance).

→ The appliance is too close to a source of heat (stove, heater etc).

▶ Change the position of the appliance or the source of heat.

The internal light does not come on.

→ The appliance is not switched on.

▶ Switch on the appliance.

→ The door was open longer than 15 min.

▶ The interior light automatically switches off if the door has been open for about 15 min.

→ The LED illumination is defective or the cover is damaged:

WARNING

Risk of injury due to electric shock!

Live parts are located under the cover.

▶ Have the LED interior light changed or repaired only by the customer service or by specialized personnel trained for the purpose.

WARNING

Danger of injury by LED lamp!

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

If the cover is defective:

▶ Do not look into the illumination with optical lenses from the immediate proximity. This can cause injury to the eyes.

The door seal is defective or needs to be replaced for another reason.

→ The door seal can be replaced. It can be replaced without the need for special tools.

▶ Contact Customer Service (see Maintenance):

The unit has iced up or condensation has formed.

→ The door seal may have also slipped out of its groove.

▶ Check to ensure that the door seal is seated properly in the groove.

8 Messages

Error messages and reminders are displayed by an audible signal and a message on the screen. The audible signal gets louder and louder when error messages appear. It only stops when the message is confirmed. Highest priority messages are displayed first if several occur at the same time. Each message must be cleared separately.

The message stays in the menu field as long as it is active or the fault is not eliminated.

Note

Details on the message can be displayed again via the menu field.

▶ Press menu.

▶ Press the message symbol.

▶ The display switches to the next message when you press one. After the last active message the display switches to the home screen.

Door alarm

An audible warning sounds if the door is open for longer than 60 seconds. The door alarm symbol appears on the display. The audible warning stops automatically when the door is closed.



The audible warning can be switched off when the door is open. The audible alarm is switched off while the door is open.

▶ Press the door alarm symbol.

▷ The door alarm stops.

▷ The display switches to the home screen.

Appliance faults

An appliance component indicates a fault.



▶ Note down the fault code.

▶ Press the appliance fault symbol.

▷ The audible signal stops. The display switches to the home screen.

▶ Contact Customer Services (see Maintenance).

Other messages



Change the FreshAir filter . (see Maintenance)



Clean the ventilation grille (see Maintenance)

9 Decommissioning

9.1 Switching the appliance off

Note

If the appliance cannot be switched off, the child safety device is enabled.

▶ Switch the child safety device off (see 5.2.2) .

9.1.1 Switch off the appliance from the menu

The whole appliance is switched off. The screen goes black.

▶ Press menu.

▶ Press the navigation arrows until the standby symbol is displayed.



▶ Press OK.

▷ The standby symbol flashes on the whole screen. The whole appliance is switched off.

▷ After 10 minutes the standby symbol goes out.

9.1.2 Switching the appliance off via the fridge compartment field.

The screen remains on.

▶ Press the fridge compartment field.

▶ Press plus.
▷ The plus symbol is greyed out if it is pressed again after selecting the hottest temperature. The standby symbol is displayed on the screen.
▶ Press OK.
▷ The standby symbol is displayed in the fridge compartment field.
▷ The appliance is switched off and the screen remains switched on

9.2 Taking the appliance out of service

▶ Empty the appliance.
▶ Switch off the appliance (see Decommissioning).
▶ Remove mains connector.
▶ Remove appliance connector if required: Remove and move from left to right at the same time.
▶ Clean the appliance (see 6.3) .
▶ Leave the door open to prevent odour.



10 Disposing of the appliance

The appliance contains some reusable materials and should be disposed of properly - not simply with unsorted household refuse. Appliances which are no longer needed must be disposed of in a professional and appropriate way, in accordance with the current local regulations and laws.



When disposing of the appliance, ensure that the refrigeration circuit is not damaged to prevent uncontrolled escape of the refrigerant it contains (data on type plate) and oil.
▶ Disable the appliance.
▶ Pull out the plug.
▶ Cut through the connecting cable.

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