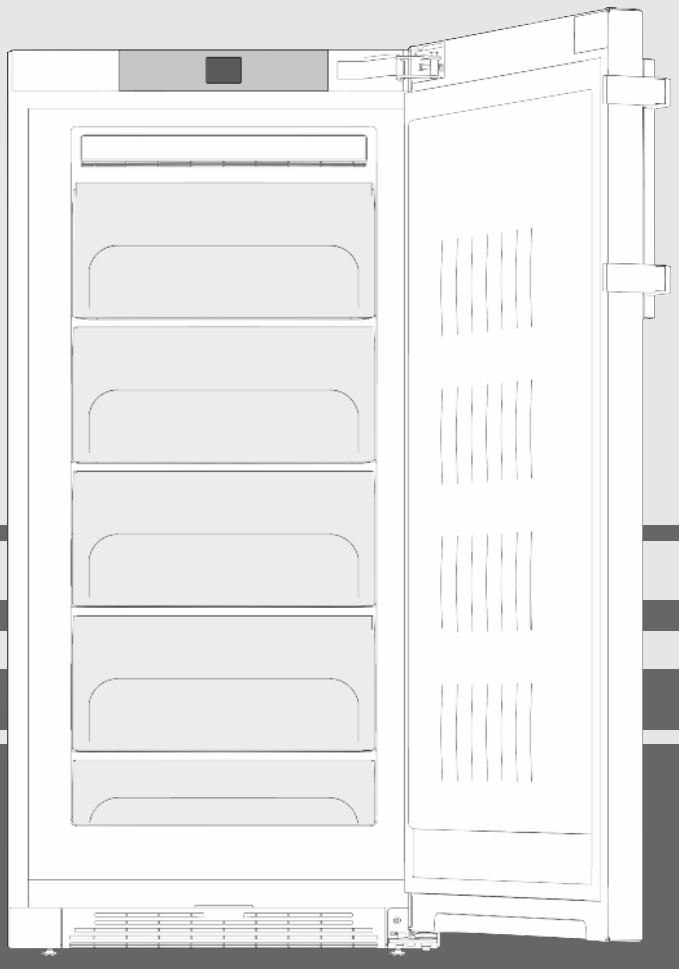
Operating and installation instructions

full-height BioFresh fridge

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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

Exemplary illustration of the appliance model

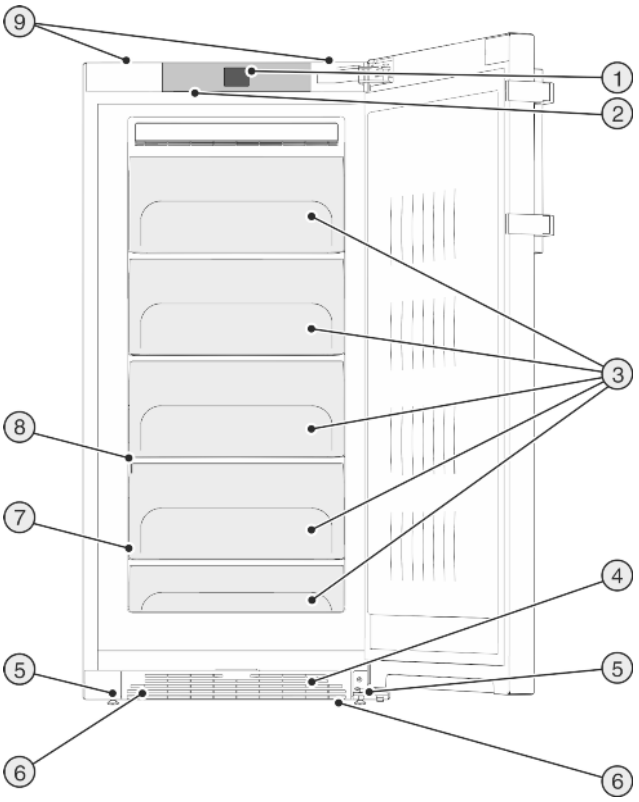


Fig. 1

(1) Operating and control elements
(2) LED interior lighting
(3) Biofresh compartment
(4) Ventilation grid
(5) Adjusting feet
(6) Front transport handles, rear transport castors
(7) Rating plate
(8) VarioSpace
(9) 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 cooling food products in a domestic or household-like environment. This includes, for example, use:

- 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 has been tested for leaks. This appliance complies with the applicable safety stipulations and with directives 2014/35/EU, 2014/30/EU, 2009/125/EG, 2011/65/EU and 2010/30/EU.

The BioFresh compartment satisfies the requirements for a cold storage compartment in acc. with DIN EN 62552.

1.4 Product data

Product data is included with the appliance, as per Directive (EU) 2017/1369. The complete product data sheet is available on the Liebherr website under Downloads.

1.5 Installation dimensions

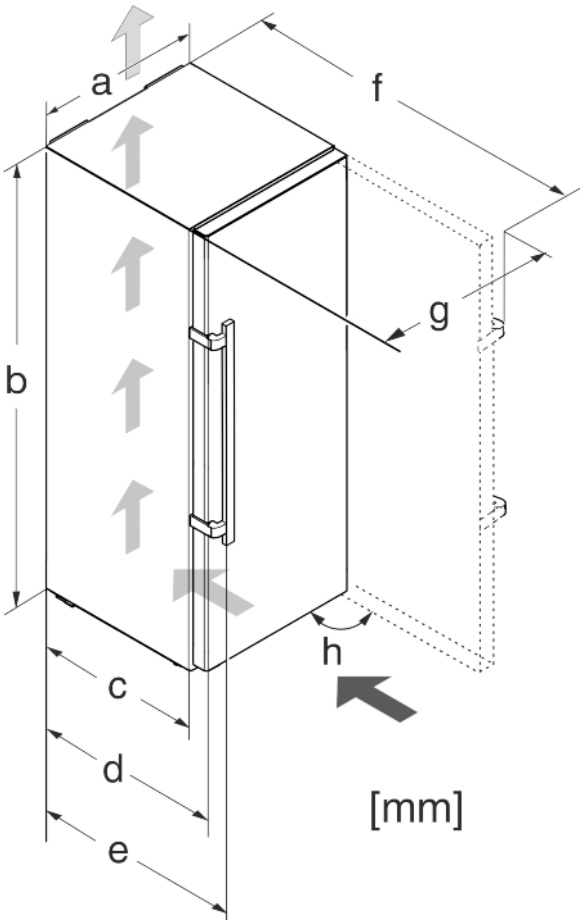


Fig. 2

Model	a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)	h (°)
B 28...	600	1250	600[x]	665[x]	709[x]	1223[x]	640	90

[x] When using wall spacers, the dimensions increase by 15 mm (see 4.2) .

1.6 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 is dependent on the installation conditions, e.g. ambient temperature (see 1.2) . If the ambient temperature deviates from the standard temperature of 25°C, the energy consumption may differ.
- Open the appliance for as short a time as possible.
- The lower the temperature is set the higher the energy consumption.
- Keep all food properly packed and covered. This prevents frost from forming.
- Only take food out for as long as necessary so that it doesn't warm up too much.
- Inserting warm food: allow to cool down to room temperature first.
- Use the holiday function if you intend to be away for an extended period .

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1.7 Example of food arrangement

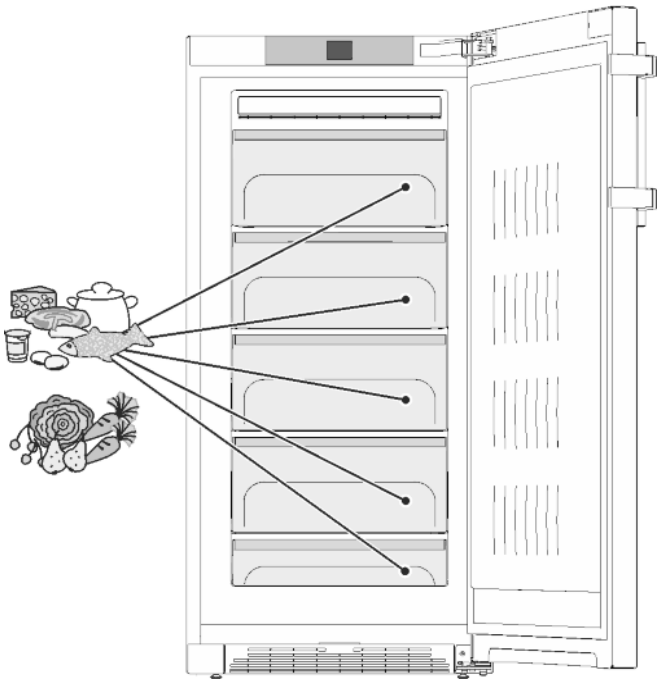


Fig. 3

1.8 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 device can be used by children and people with impaired physical, sensory or mental abilities or with a lack of experience and knowledge provided that they are supervised or have received instruction in the safe use of this device, and about the resulting hazards. Children must not play with this appliance. Cleaning and user maintenance work must not be carried out by children without adult supervision. Children aged between 3 and 8 are allowed to load and unload the appliance. Children below the age of 3 must be kept away from the appliance unless they are under continuous adult 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 coolant used (information on the model plate) is eco-friendly but also flammable. Any leaking coolant may ignite.
  - Do not damage the refrigerant circuit pipes.
  - Do not use an open flame or other source of ignition inside the appliance.
  - Do not use electrical appliances inside the appliance (e.g. steam cleaners, heaters, ice cream makers, etc.).
  - If the refrigerant leaks: remove any naked flames or ignition sources from the vicinity of the leakage point. Properly air the room. Inform customer services.
- 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.

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.
	This symbol is found on the compressor and indicates the danger of flammable materials.
	A sticker to this effect may be applied to the rear of the appliance. It refers to the foam-padded panels in the door and/or the housing. This is only relevant for recycling. Do not remove the sticker.

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

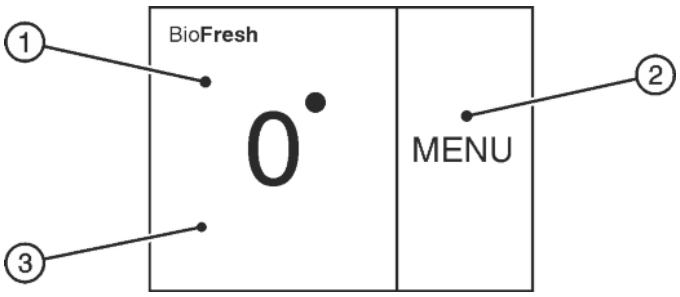


Fig. 4

(1) BioFresh 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

BioFresh field



Fig. 5

(1) BioFresh symbol
(2) BioFresh temperature display

In the BioFresh field, the BioFresh temperature setting is displayed.

The following settings can be entered:

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

Menu field

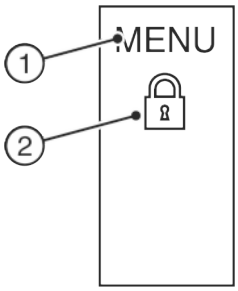


Fig. 6

(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:

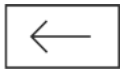
Changing settings (e.g. adjusting temperatures).



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:

Confirms the selection.

After confirmation the display switches to the home screen.





ON / OFF, START / STOP

Starts/ stops options.

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



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 5) :

Symbol	Option



SabbathMode



Child safety device[x]



Holiday function



Temperature unit



Humidity[x]

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

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 coolant used is eco-friendly but also flammable. Any leaking coolant 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.

Note
If you have several appliances next to one another, leave a gap of 70mm between appliances. Otherwise condensation will build up between the units.

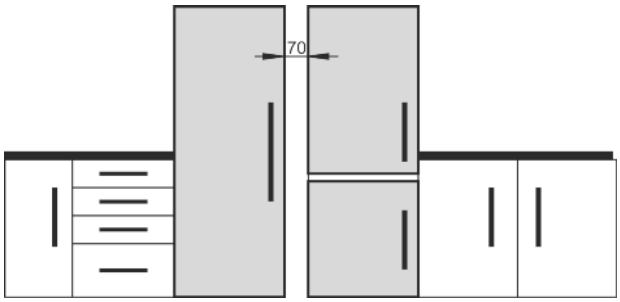


Fig. 7

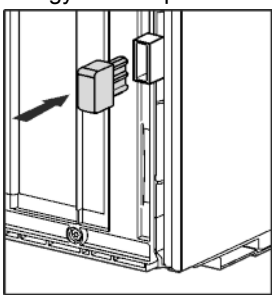
- ❑ Before you connect the appliance, report any damage immediately to the delivery company.
- ❑ The floor of the installation site must be horizontal and even.
- ❑ Do not install the appliance in direct sunlight, next to an oven, radiator or similar.
- ❑ Install the appliance with the rear panel up against the wall and always use the supplied wall spacers (see below).
- ❑ Only ever move the appliance when it is empty.
- ❑ The surface supporting the appliance must be at the same level as the surrounding floor.
- ❑ Do not install the appliance on your own.
- ❑ The more coolant there is in the appliance, the larger the room in which the appliance is installed must be. If the room is too small, any leak may create a flammable mixture of gas and air. For each 8 g of coolant the installation space must be at least 1 m^3. Information on the coolant is on the model plate inside 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.

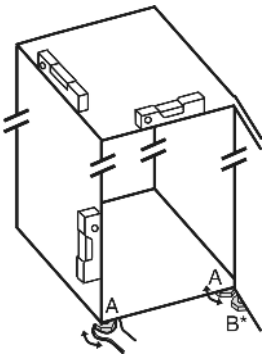
Stainless steel care products attack these surfaces.
▶ Only use a soft, clean cloth to wipe down **finished door and side panel surfaces** and **painted door and side panel surfaces**. To remove heavy dirt, use a little water or neutral detergent. Alternatively, you can use a micro-fibre cloth.

▶ Remove the protective film from the decorative trims and drawer fronts.
▶ 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.



Note
▶ Clean the appliance (see 6.2) .

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
- ❑ Open-ended 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

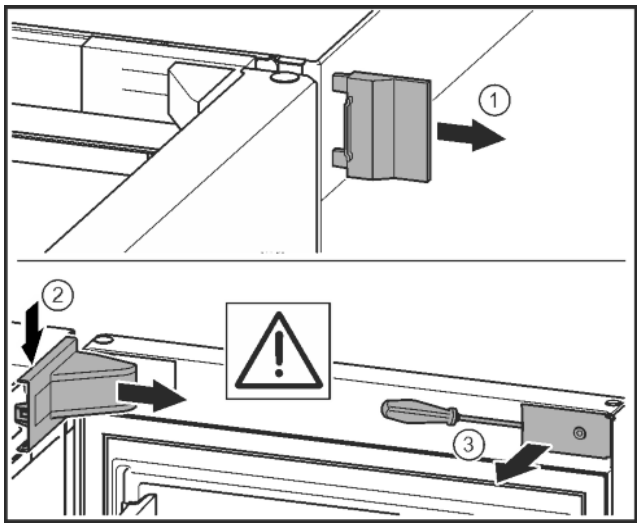


Fig. 8

▶ 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. 8 (1)*
▶ Disengage and release the bearing bracket cover. Remove the bearing bracket cover. *Fig. 8 (2)*
▶ Unlatch the panel with a slotted screwdriver and swivel it to one side. *Fig. 8 (3)*

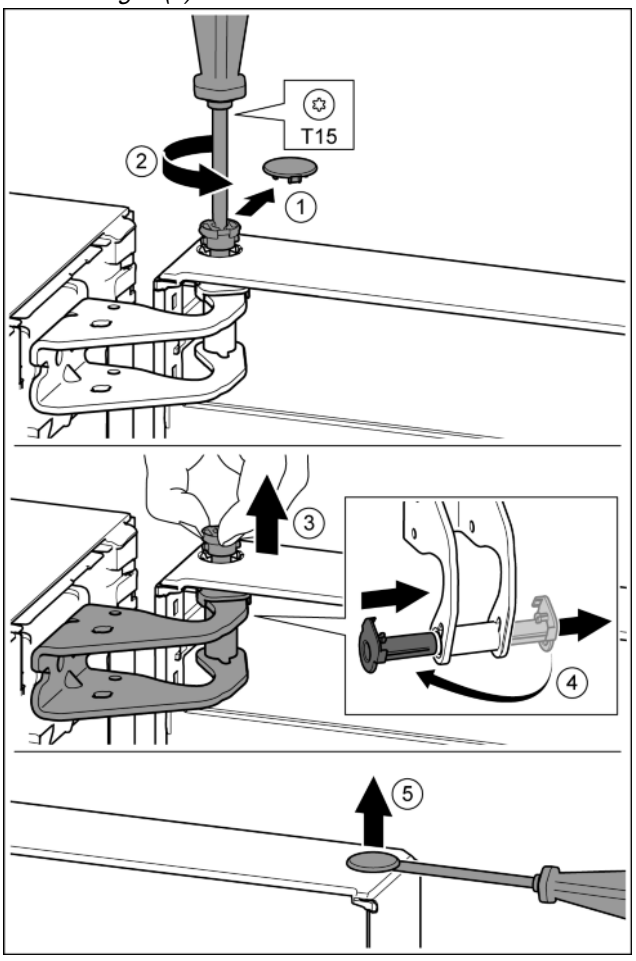


Fig. 9

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

▶ Carefully remove the protective cover. *Fig. 9 (1)*
▶ Undo the bolt a little with a T15 screwdriver. *Fig. 9 (2)*
▶ Hold the door and remove the bolts with your fingers. *Fig. 9 (3)*
▶ Pull the bearing bush out of the guide. Insert from the other side and click into place. *Fig. 9 (4)*
▶ Lift the door and set it aside.
▶ Carefully lift the plugs out of the door bearing bush with a slotted screwdriver and remove. *Fig. 9 (5)*

4.3.2 Moving the upper bearing parts to the other side

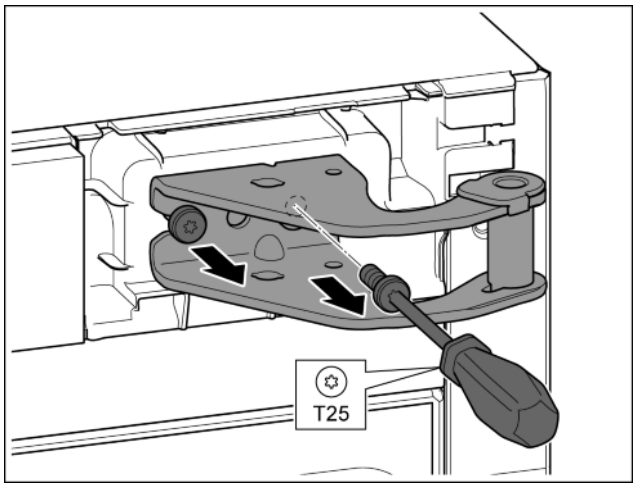


Fig. 10

▶ Remove both screws with the T25 screwdriver.
▶ Lift and remove the bearing bracket.

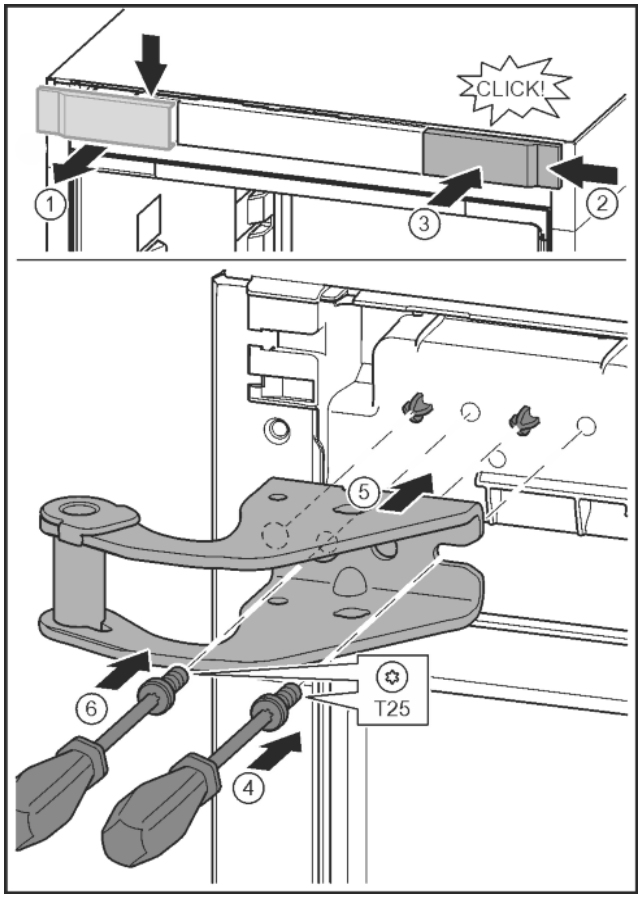


Fig. 11

- ▶ Release the cover and remove from the side. *Fig. 11 (1)*
- ▶ Rotate the cover 180° and clip onto the other side from the right. *Fig. 11 (2)*
- ▶ Click the cover into place. *Fig. 11 (3)*
- ▶ Position the screw with a T25 screwdriver. *Fig. 11 (4)*
- ▶ Position the upper bearing bracket. *Fig. 11 (5)*
- ▷ Place the pins in the provided screw holes.
- ▶ Tighten the screw. *Fig. 11 (4)*
- ▶ Insert the screw with a T25 screwdriver and tighten. *Fig. 11 (6)*

4.3.3 Moving the lower bearing parts to the other side

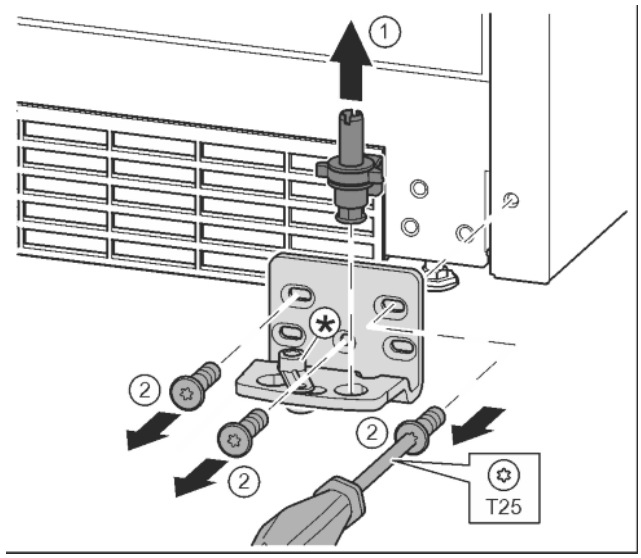


Fig. 12

- ▶ Lift the bearing pin completely upward and remove. *Fig. 12 (1)*
- ▶ Undo the screws with a T25 screwdriver and remove the bearing bracket *Fig. 12 (2)*

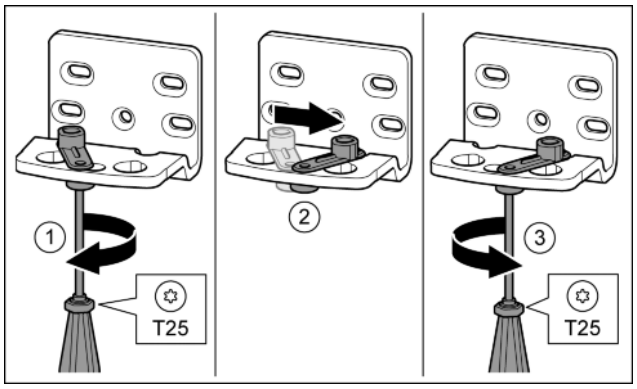


Fig. 13

- ▶ Loosen the screw using a T25 screwdriver. *Fig. 13 (1)*
- ▶ Lift the door closure aid and turn it 90° to the right in the hole. *Fig. 13 (2)*
- ▶ Tighten the screw using a T25 screwdriver. *Fig. 13 (3)*

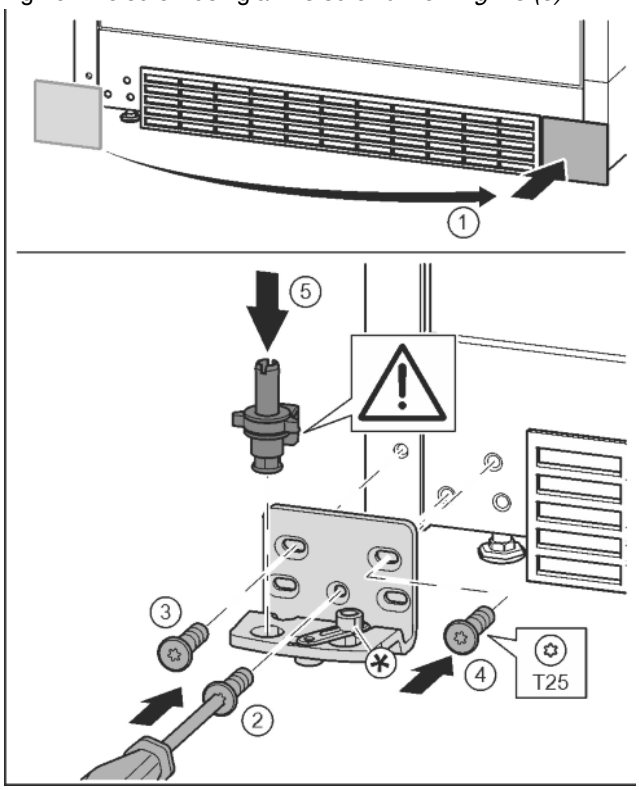


Fig. 14

- ▶ Remove the cover and fix it on the other side. *Fig. 14 (1)*
- ▶ Place the bearing bracket on the other side and screw in with the aid of a T25 screwdriver. Start with screw 2 at the bottom in the middle. *Fig. 14 (2)*
- ▶ Screw in screws 3 and 4. *Fig. 14 (3, 4)*
- ▶ Insert the bearing pin completely. Make sure that the catch mechanism is pointing to the rear. *Fig. 14 (5)*

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4.3.4 Moving the door bearing parts to the other side

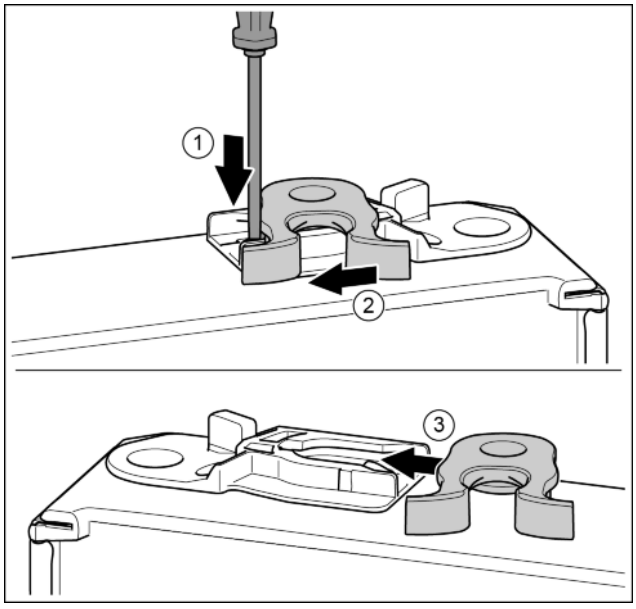


Fig. 15

- ▶ Underside of door faces upwards: Turn the door.
- ▶ Push the tab downwards with a slotted screwdriver. *Fig. 15 (1)*
- ▶ Pull the door latch out of the guide. *Fig. 15 (2)*
- ▶ Push the door latch into the guide on the other side. *Fig. 15 (3)*
- ▶ Upper side of door faces upwards: Turn the door.

4.3.5 Moving the handles to the other side

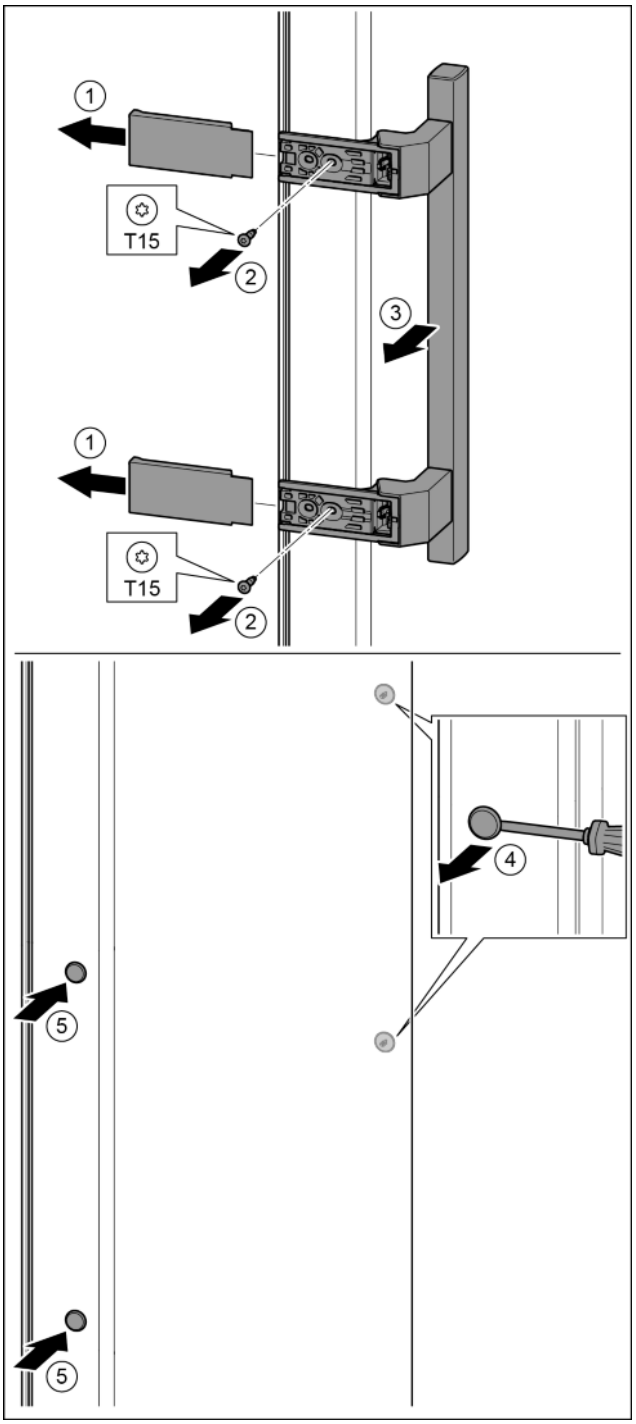


Fig. 16

- ▶ Pull off the cover. *Fig. 16 (1)*
- ▶ Remove the screws with the T15 screwdriver. *Fig. 16 (2)*
- ▶ Remove the handle. *Fig. 16 (3)*
- ▶ Carefully lift up the side plugs with a slotted screwdriver and pull them out. *Fig. 16 (4)*
- ▶ Insert the plugs again on the other side. *Fig. 16 (5)*

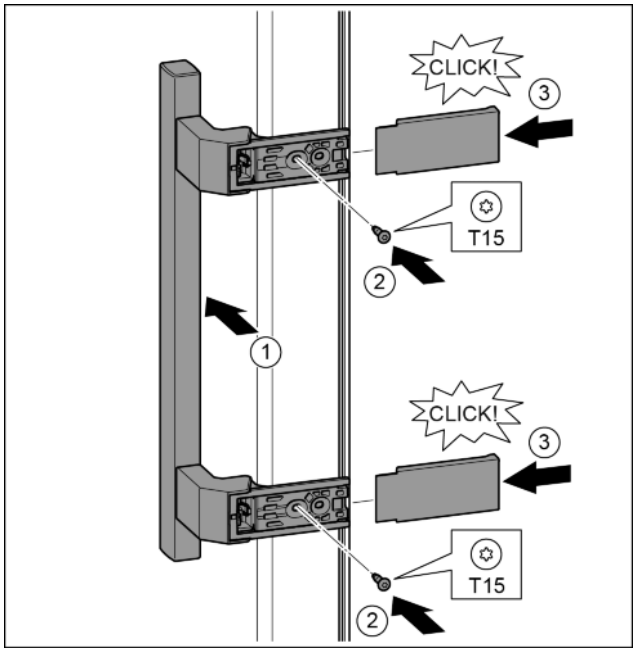


Fig. 17

- ▶ Position the handle on the other side. *Fig. 17 (1)*
- ▷ The screw holes must be exactly above each other.
- ▶ Tighten the screws with the T15 screwdriver. *Fig. 17 (2)*
- ▶ Position the covers on the side and push in. *Fig. 17 (3)*
- ▷ Ensure that it clicks into place.

4.3.6 Fitting the door

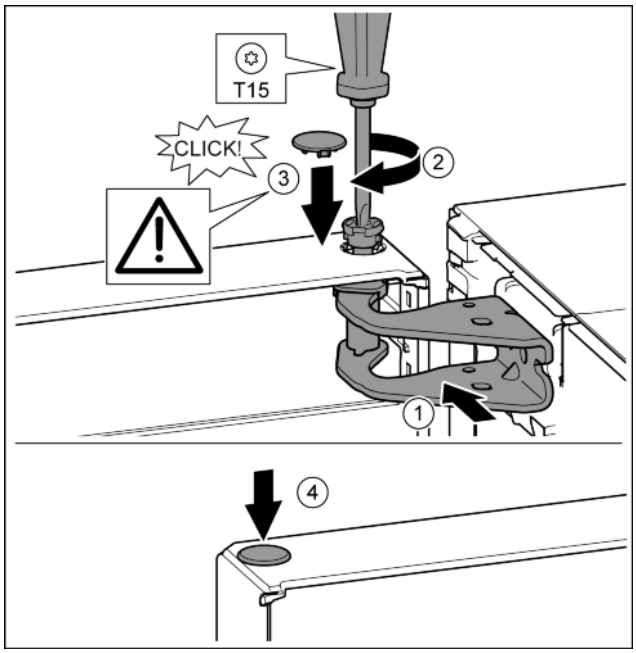


Fig. 18

- ▶ Place the door on the lower bearing pins.
- ▶ Align the top of the door with opening in the bearing bracket. *Fig. 18 (1)*
- ▶ Insert the bolt and tighten with a T15 screwdriver. *Fig. 18 (2)*
- ▶ Fit the protective cover to protect the door: Insert the protective cover and check that it is attached to the door. If not, insert the bolt fully. *Fig. 18 (3)*
- ▶ Insert the plugs. *Fig. 18 (4)*

4.3.7 Aligning 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.

EN

- ▶ Align the doors flush with the appliance housing using the two oblong holes in the lower bearing bracket if needed. 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 using the slotted holes.
- ▶ Support the door: Take off the adjustable foot on the bearing bracket using the open-ended wrench SW10 until it comes into contact with the floor, then turn an additional 90°.

4.3.8 Fit the covers

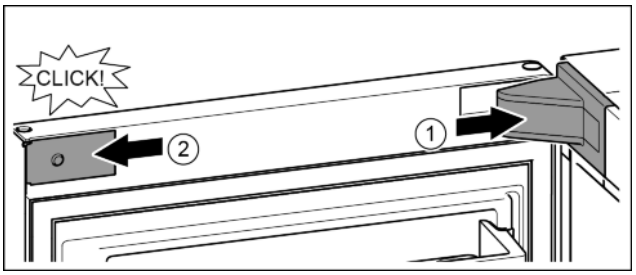


Fig. 19

The door is open 90°.

- ▶ Position the bearing bracket and engage. If necessary push apart carefully. *Fig. 19 (1)*
- ▶ Position the panel on the side and click into place. *Fig. 19 (2)*

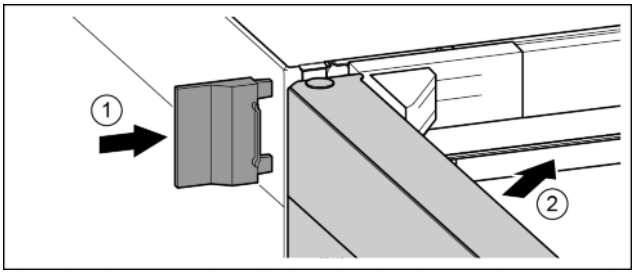


Fig. 20

- ▶ Slide on the external cover. *Fig. 20 (1)*
- ▶ Close the upper door. *Fig. 20 (2)*

4.4 Insertion into a row of kitchen units

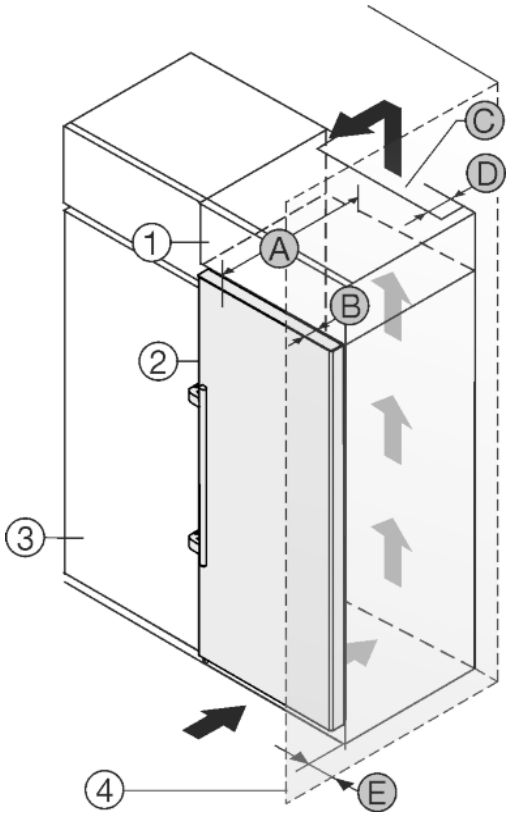


Fig. 21

A [mm]	B [mm]	C [cm²]	D [mm]	E [mm]
665 x	65	Min. 300	Min. 50	Min. 46

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. 21 (2)* can be added above the appliance in order to bring the appliance *Fig. 21 (1)* up to the height of the fitted kitchen units.

The appliance can be installed right next to the kitchen cabinet *Fig. 21 (3)*. The appliance must stick out by the depth *Fig. 21 (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. 21 (D)* at the back of the top cupboard over the entire width of the cupboard.
- The ventilation shaft *Fig. 21 (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. 21 (4)* the distance *Fig. 21 (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 hazard.
▶ 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.

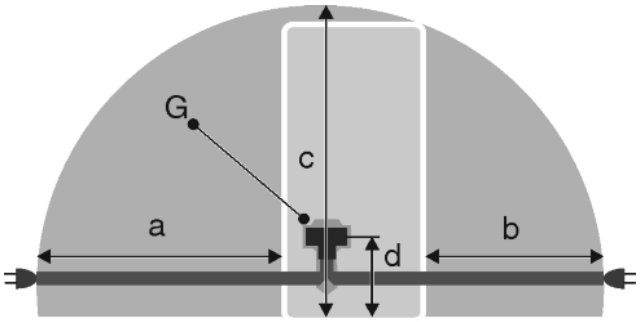


Fig. 22

a	b	c	d	G
~ 1800 mm	~ 1400 mm	~ 2100 mm	~ 200 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 1) .
- 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. 22 (a, b, c)*.

▶ Check the electrical connection.
▶ Insert the appliance plug *Fig. 22 (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.

* Depending on model and options

4.7 Switching on the appliance

Note
If the appliance is in demo mode, DEMO appears on the home-screen.
▶ Disable demo mode (see 7) .

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 is displayed in the Biofresh 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 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.

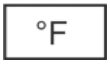


▶ Press the ventilation grid symbol.
▶ Press ON.
▷ The timer is set. After the interval has expired a message prompts you to clean the ventilation grid.

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.

There is a list of Star-K certified appliances at www.star-k.org/appliances.

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 Setting the humidity

The humidity in the appliance can be adjusted depending on which food is being stored.




The humidity in the compartment depends on the moisture content of the items being stored and the number of times the door is opened. The default setting is DrySafe.

EN

5.4.1 Setting HydroSafe

On the humid setting the HydroSafe is suitable for storing loose salad, vegetables and fruit with a high moisture content. When the drawer is very full a very fresh climate is set with a humidity of up to a max. of 90%.

▶ Press menu.
▶ Press the navigation arrows until DrySafe appears.



▶ Press HydroSafe.

▷ HydroSafe is switched on.

5.4.2 Setting DrySafe

The DrySafe is suitable for storing dry or packaged food (e.g. dairy products, meat, fish, sausage). Here a relatively dry storage climate is set.

▶ Press menu.
▶ Press the navigation arrows until HydroSafe appears.



▶ Press DrySafe.

▷ HydroSafe is switched off.

5.5 Storing food

Note

▶ Do not put the following in the BioFresh section: cold-sensitive vegetables including cucumbers, aubergines, tomatoes, courgettes and any cold-sensitive tropical fruits.

▶ To prevent food spoilage due to transfer of germs: Store unwrapped animal and vegetable products separate from one another in the drawers. This also applies to different sorts of meat.
If food has to be stored together due to lack of space:
▶ wrap the food.
▶ The top drawer can be loaded with a max. of 15 kg, the bottom drawer with a max. of 10 kg and the other drawers each with a max. of 25 kg.
▶ The shelves can each be loaded with 35 kg.

5.6 Storage times

Guidelines for storage periods at low humidity 0 °C			
Butter	up to	90	days
Hard cheese	up to	110	days
Milk	up to	12	days
Cold meats	up to	9	days
Poultry	up to	6	days
Pork	up to	7	days
Beef	up to	7	days
Game	up to	7	days

Note

▶ Please note that protein-rich food deteriorates faster, i.e. shellfish and crustaceans deteriorate faster than fish, fish faster than meat.

Guidelines for storage periods at high humidity 0 °C			
Vegetables, salads			
Artichokes	up to	14	days
Celery	up to	28	days
Cauliflower	up to	21	days
Broccoli	up to	13	days
Chicory	up to	27	days
Leaf lettuce	up to	19	days
Peas	up to	14	days
Kale	up to	14	days
Carrots	up to	80	days
Garlic	up to	160	days
Cabbage	up to	55	days
Round lettuce	up to	13	days
Herbs	up to	13	days
Leeks	up to	29	days
Mushrooms	up to	7	days
Radishes	up to	10	days
Sprouts	up to	20	days
Asparagus	up to	18	days
Spinach	up to	13	days
Savoy cabbage	up to	20	days
Fruit			
Apricots	up to	13	days
Apples	up to	80	days
Pears	up to	55	days
Blackberries	up to	3	days
Dates	up to	180	days
Strawberries	up to	7	days
Figs	up to	7	days
Blueberries	up to	9	days
Raspberries	up to	3	days
Red currants	up to	7	days
Cherries, sweet	up to	14	days
Kiwis	up to	80	days
Peaches	up to	13	days
Plums	up to	20	days
Cranberries	up to	60	days
Rhubarb	up to	13	days
Gooseberries	up to	13	days
Grapes	up to	29	days

5.7 Setting the temperature

The temperature depends on the following factors:

- the amount of times the door is opened
- how long the door is open for
- the room temperature of the installation site
- the type, temperature and amount of food

The temperature can be set from 0 °C to 3 °C. At 0 °C the temperature may drop below 0 °C so that the food can freeze.

Recommended temperature setting: 0 °C

▶ Press the Biofresh field.

▷ The following screen is displayed:

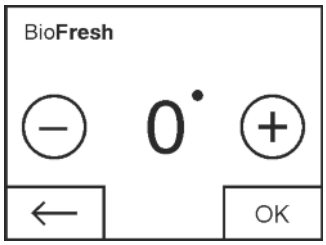


Fig. 23

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.

5.8 Holiday mode

Holiday mode saves energy and prevents any odours from building up if the appliance door of the BioFresh section stays closed for a prolonged period.



5.8.1 Switching on the Holiday function

▶ Remove all food as otherwise it will spoil.
▶ Press menu.
▶ Press the navigation arrow until you see the Holiday function.



▶ Press ON.
▷ The Holiday function is on.



▷ The holiday function symbol appears in the Biofresh field.

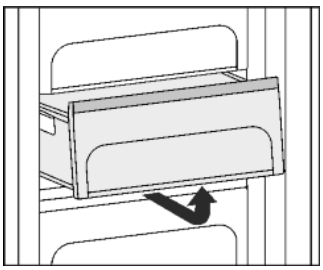
5.8.2 Switching off the Holiday function

▶ Press the holiday function symbol in the Biofresh field.



▷ The Holiday function is off.
▷ The temperature is set to the preset value again. Down arrows show the temperature reduction.

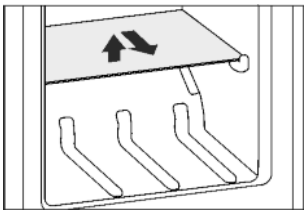
5.9 Drawers



▶ To store the food straight on the shelves: Pull the drawer forwards and lift it out.

5.10 Shelves

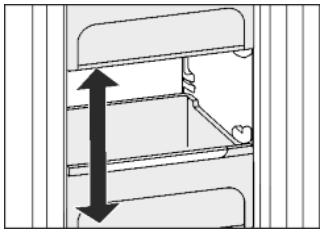
5.10.1 Moving shelves



▶ To remove the shelf: lift up at the front and pull out.
▶ To put the shelf back: simply push in as far as it will go.

EN

5.11 VarioSpace



You can remove the shelves and drawers. This leaves more room for larger food items such as poultry, meat, large game and tall baked goods, which can be frozen whole before further preparation.

▶ The top drawer can be loaded with a max. of 15 kg, the bottom drawer with a max. of 10 kg and the other drawers each with a max. of 25 kg.
▶ The shelves can each be loaded with 35 kg of frozen food.

6 Maintenance

6.1 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.

6.2 Cleaning the appliance

Clean the appliance regularly.

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.
▶ Only use a soft clean cloth to wipe **side walls with a paint finish**. In the case of heavy soiling, use lukewarm water with neutral cleaning agent.

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 drawers** by hand with lukewarm water and a little washing up liquid.
▶ All the **other fittings** can be put in the dishwasher.

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

6.3 Customer service

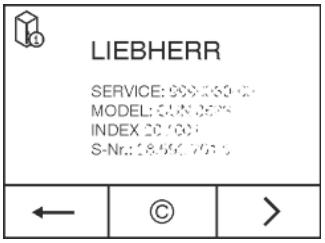
First of all check whether you can eliminate the fault yourself. (see 7) If you can't, contact Customer Services. You can find the address in the enclosed customer service list.

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 6)

Call up the appliance name (model and index), service no. (service), serial no. (s-no.) as well as the expanded functions 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.



▶ To access the customer menu, press it until the key symbol appears.



▶ Enter the numerical code **151** to select the customer menu.

Customer menu

The following functions can be called up in the customer menu:
- **Self diagnostics**
The device carries out self diagnostics and checks all electrical components.
- **RESET**
The appliance is reset to the factory settings.

▶ 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. 24 (1)*, service no. *Fig. 24 (2)* and serial no. *Fig. 24 (3)* from the model plate. The model plate can be found on the inside of the appliance on the left.

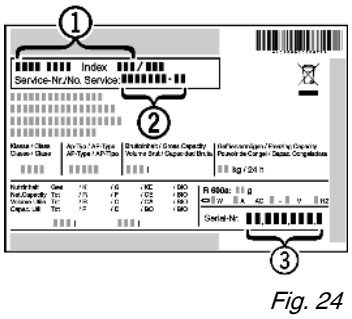


Fig. 24

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

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.

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 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.

The fan runs for a long time
→ With the “hydro” setting, the fan has to run longer for functional reasons.
▶ This is normal.

Vibration noises
→ The appliance is not standing firmly on the floor. As a result objects and adjacent units start to vibrate when the refrigerator is running.
▶ Align the appliance using the adjustable feet.

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

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.
▶ OFF Press .

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 6) .
→ The temperature is incorrectly set.
▶ Set the temperature to a colder setting and check after 24 hours.
→ 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 the appliance on.
→ The door was open for longer than 15 minutes.
▶ The internal light switches itself off automatically after about 15 minutes if the door is open.
→ The LED illumination is faulty 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 lighting corresponds to risk group RG 2.
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 6) :

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.
▶ Close the door.

Appliance faults



An audible warning sounds. The appliance fault symbol appears on the display with the relevant error code.

An appliance component indicates a fault.

▶ Open the door.
▶ Note down the fault code.
▶ Press the appliance fault symbol.
▷ The audible signal stops. The display switches to the home screen.
▶ Close the door.
▶ Contact Customer Services (see 6) .

Other messages



Clean the ventilation grille (see 6)

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 off the appliance via the Biofresh field

The screen remains on.

▶ Press the Biofresh 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 appears in the Biofresh 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 9) .
▶ Remove mains connector.
▶ Remove appliance connector if required: Remove and move from left to right at the same time.



▶ Clean the appliance (see 6.2) .
▶ 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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