Operating and installation instructions
Upright refrigerator with BioFresh compartment
1 Appliance at a glance

1.1 Description of appliance and equipment

Note
► Place food inside the appliance as shown in the diagram. This allows the appliance to save energy during operation.
► Shelves, drawers and baskets are arranged for optimum energy efficiency on delivery.

2 General safety information

3 Controls and displays

4 Putting into operation

5 Control

6 Maintenance

7 Malfunctions

8 Decommissioning

9 Disposing of the appliance

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 ▶️.

1.2 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
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.

<table>
<thead>
<tr>
<th>Climate classification</th>
<th>for ambient temperatures of</th>
</tr>
</thead>
<tbody>
<tr>
<td>SN</td>
<td>10 °C to 32 °C</td>
</tr>
<tr>
<td>N</td>
<td>16 °C to 32 °C</td>
</tr>
<tr>
<td>ST</td>
<td>16 °C to 38 °C</td>
</tr>
<tr>
<td>T</td>
<td>16 °C to 43 °C</td>
</tr>
</tbody>
</table>

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 External dimensions of the appliance

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.
- 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.
- If you intend to be on holiday for a long time use the holiday function (see 5.4.4).

Dust deposits increase energy consumption:
- For refrigerators with heat exchangers dust the metal grid on the back of the appliance once a year.

* For appliances supplied with wall spacers, the measurement increases by 35 mm (see 4.2).

Appliance at a glance

<table>
<thead>
<tr>
<th>Name</th>
<th>H (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KBbs 42..</td>
<td>1852</td>
</tr>
<tr>
<td>SKBbs 42..</td>
<td></td>
</tr>
</tbody>
</table>

* Depending on model and options
1.7 HomeDialog

Depending on model and options, the HomeDialog system can be used to network a number of Liebherr appliances (situated, for example, in the basement) with a main appliance (sited, for example, in the kitchen) and control them via the latter. You will find more information on the benefits, requirements and principle of operation on the internet at www.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.
- Have any repairs to or intervention in the appliance, and any change of the mains power cable, carried out by the customer service only or by other specialised personnel trained for the purpose.
- 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-purpose lamps (incandescent lamps, LEDs, fluorescent tubes) in the appliance serve to illuminate the appliance interior and are not suited for room illumination.

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.

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:

* Depending on model and options
### 3 Controls and displays

#### 3.1 Operating and control elements

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Holiday button" /></td>
<td><img src="image" alt="Up setting button" /></td>
<td><img src="image" alt="Down setting button" /></td>
<td><img src="image" alt="Menu symbol" /></td>
<td><img src="image" alt="Alarm symbol" /></td>
<td><img src="image" alt="On/Off button" /></td>
<td><img src="image" alt="SuperCool button" /></td>
<td><img src="image" alt="Alarm button" /></td>
</tr>
</tbody>
</table>

**Fig. 3**


#### 3.2 Temperature display

During normal operation, the display shows:
- the average cooling temperature

The following displays indicate a fault. Possible causes and solutions: (see Malfunction).
- **F0** to **F9**

### 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!

- 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.
- The surface supporting the appliance must be at the same level as the surrounding floor.
- 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 m³ space in the room for the appliance. The amount of refrigerant in your appliance is on the type plate inside the appliance.
- Detach the connecting cable from the rear of the appliance, removing the cable holder at the same time because otherwise there will be vibratory noise!
- Remove the protective film from the outside of the appliance.

* Depending on model and options
Putting into operation

**NOTICE**
Risk of damage from stainless steel care products!
The **stainless steel doors** and **stainless steel side walls** are finished with a high-quality surface coating. Stainless steel care products will damage the surfaces.

- Use only a soft, clean cloth to wipe the **coated door surfaces** and **side walls**.
- Remove the protective film from the decorative trims.
- Remove all transit supports.
- The spacers supplied with some appliances must be used to achieve the stated energy consumption. These will extend the depth of the appliance by approx. 35 mm. The appliance is fully functional if the spacers are not used, but does have a slightly higher energy consumption.
- In the case of an appliance with enclosed wall spacers, mount the wall spacers on the back of the appliance at the top 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:
Extend the adjustable foot at the turn hinge (B) until it rests on the floor and then make a further 90° turn.

When a Side-by-Side appliance (S…) is fitted together with a second appliance (as a SBS combination):
- Proceed according to the Side-by-Side combined fridge-freezer installation instructions. (Accessories bag of the SBS freezer/appliance with freezer compartment)

<table>
<thead>
<tr>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove any food from the door racks before removing the door, so that no food falls out.</td>
</tr>
</tbody>
</table>

4.3 Changing over the door hinges

You can change over the door hinges if necessary.

**NOTICE**
Risk of damage to side-by-side appliances due to condensation!
When a side-by-side appliance (S…) is fitted together with a second appliance (as a SBS combination), the door hinges must remain as delivered.
- Do not change over the door hinges.

Ensure that the following tools are to hand:
- Torx® 25
- Torx® 15
- Screwdriver

4.3.1 Detaching the soft stop unit.*

For appliances with a **closing damper**, start with this point. For appliances without a **closing damper**, start with this point: (see 4.3.2).

![Fig. 4](image)
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!
- Do not change over the door hinges.
- Disengage and remove the faceplate Fig. 4 (1) using a flat-blade screwdriver.
- The faceplate is attached over the soft stop bracket.

![Fig. 5](image)
- Slide the faceplate forwards over the soft stop bracket Fig. 5 (5) in the direction of the appliance.
- Snap the safety lock Fig. 5 (3) into the oblong hole.
- The safety lock prevents the hinge from snap-closing.
- Using a screwdriver, lift off the cover Fig. 5 (2) from the outside and remove it in an outward direction.
- If necessary, tip the appliance backwards with the assistance of a second person.
- Press the pin Fig. 5 (4) out from underneath.
- Press the soft stop bracket Fig. 5 (5) towards the door.
- Remove the faceplate Fig. 5 (1).
- Unscrew the entire soft stop unit (2x Torx® 15) Fig. 5 (6).
- Pull the soft stop unit out a little, push it in the direction of the handle side and swing it out.
- Set the soft stop unit aside.

4.3.2 Detaching the door

<table>
<thead>
<tr>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove any food from the door racks before removing the door, so that no food falls out.</td>
</tr>
</tbody>
</table>

---

* Depending on model and options
>>> Close the door.
>>> Pull off the cover Fig. 6 (10) forwards and upwards.
>>> Lift off the cover Fig. 6 (11).

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

- Unscrew the upper turn hinge Fig. 6 (12) (2x Torx® 25) Fig. 6 (13) and raise it for removal.
- Lift up the door and set it aside.

4.3.3 Changing the bearing parts

**For appliances with a closing damper:**

- Using the accompanying Allen key, unscrew the threaded pin Fig. 7 (40) by about 1 turn.
- Turn and lift out the bearing pin Fig. 7 (22) together with washer Fig. 7 (23) and adjustable-height foot Fig. 7 (24).
- Lift off the stopper Fig. 7 (21).
- Unscrew the turn hinge Fig. 7 (25).
- Fully unscrew the threaded pin Fig. 7 (40) and screw it in on the opposite side, at the turn hinge, until it is flush outside with the turn hinge.

**For appliances with a closing damper:**

- Unscrew the bearing element Fig. 7 (28), turn it through 180° and screw it firmly back into place.

**For appliances without a closing damper:**

- Unscrew storage section Fig. 8 (28) and fit it to the opposing locating bore in the mounting block, then tighten it down.

**For all appliances**

- Re-insert the stopper Fig. 7 (21) into the other hole.
- Carefully lift off the cover on the handle side Fig. 7 (27) and transfer it to the opposite side.
- Screw the turn hinge Fig. 7 (25) firmly into place on the new hinge side, possibly using a cordless screwdriver (with 4 Nm).
- Re-insert the bearing pin Fig. 7 (22) together with washer and adjustable-height foot.
- Tighten the threaded pin Fig. 7 (40).

4.3.4 Transferring the handle

**For appliances without a closing damper:**

- Turn around the spring clamp Fig. 9 (31). Press down the detent lug and pull the spring clamp up and over to remove it.
- Slide spring clamp onto the new hinge side until it clicks into place.

**For all appliances**

* Depending on model and options
4.3.5 Fitting the door

- Place the door from above onto the lower bearing pin Fig. 7 (22).
- Close the door.
- Insert the upper turn hinge Fig. 6 (12) in the door on the new hinge side.
- Screw the upper turn hinge Fig. 6 (12) firmly into place (with 4 Nm) (2x Torx® 25) Fig. 6 (13). Possibly make preliminary holes with a bradawl or use a cordless screwdriver.
- Snap the cover Fig. 6 (10) and cover Fig. 6 (11) into place at the opposite side.

4.3.6 Fitting the soft stop unit*

For appliances with a closing damper.

For appliances without a closing damper continue with this point (see 4.3.7).

4.3.7 Aligning the door

- Align the door to the appliance housing by way of the two oblong holes in the bottom turn hinge Fig. 7 (25). To do so, unscrew the middle screw.

**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.
4.4 Insertion into a row of kitchen units

- corrugated board/cardboard
- expanded polystyrene parts
- polythene bags and sheets
- polypropylene straps
- nailed wooden frame with polyethylene panel

4.6 Connecting the appliance

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

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

4.7 Switching on the appliance

▶ Press On/Off button Fig. 3 (6).
▶ The temperature display indicates the current temperature.
▶ The interior light is on when the door is open.
▶ If “DEMO” is displayed, demo mode is activated. Please contact the after sales service.

5 Control

5.1 Brightness of the temperature display

You can adjust the brightness of the temperature display to the light conditions of the room in which the appliance is installed.

5.1.1 Adjusting the brightness

The brightness is adjustable between \( h_0 \) (no illumination) and \( h_5 \) (maximum luminosity).
▶ To activate the setting mode: press SuperCool button Fig. 3 (7) for about 5s.
▶ The display indicates \( c \).
▶ The menu symbol Fig. 3 (4) shines.
▶ Using the Up setting button Fig. 3 (2) and Down setting button Fig. 3 (3), select \( h \).
▶ To confirm: briefly press the SuperCool button Fig. 3 (7).

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.

* Depending on model and options

---

Fig. 13

(1) Stack cabinet
(2) Appliance
(3) Kitchen cabinet
(4) Wall

x For appliances supplied with wall spacers, the measurement increases by 35 mm (see 4.2).

The appliance can be built into kitchen units. A top cupboard Fig. 13 (2) can be added above the appliance in order to bring the appliance Fig. 13 (1) up to the height of the fitted kitchen units.

When installing with kitchen units (max. depth 580 mm), the appliance can be positioned directly next to the kitchen cabinet Fig. 13 (3). The appliance will project by 34 mm at the sides and 50 mm in the centre of the appliance in relation to the kitchen cabinet front.

Ventilation requirements:
- At the back of the stack cabinet there has to be a ventilation duct of at least 50 mm depth throughout the width of the stack cabinet.
- The cross section of the ventilation gap below the ceiling must be at least 300 cm².
- 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. 13 (4), the distance between appliance and wall has to be at least 40 mm. This corresponds to the projection of the handle when the door is open.
5.2 Childproofing

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

5.2.1 Setting the child lock function

- Activate setting mode: Press the SuperCool button Fig. 3 (7) for around 5 seconds.
  - The display indicates c.
  - Briefly press the SuperCool button Fig. 3 (7) to confirm.
    - When c1 is indicated in the display:
    - to activate the child lock, briefly press the SuperCool button Fig. 3 (7).

- The child lock symbol Fig. 3 (10) shines. c flashes in the display.
  - When c1 is indicated in the display:
  - to deactivate the child lock, briefly press the SuperCool button Fig. 3 (7).
  - The child lock symbol Fig. 3 (10) goes out. c flashes in the display.
  - To deactivate the set-up mode: press On/Off button Fig. 3 (6).

5.3 Door alarm

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

5.3.1 Muting the door alarm

The audible alarm can be muted when the door is open. The sound switch-off function is active as long as the door is left open.

- Press alarm button Fig. 3 (8).
- The door alarm is silenced.

5.4 Refrigerator compartment

The natural circulation of air in the refrigerator compartment results in zones differing in temperature. It is coldest directly above the plate separating off the BioFresh zone and at the rear wall. It is warmest at the top front of the compartment and in the door.

5.4.1 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.

- 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.
- 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.
- To safeguard bottles from tipping over: move the bottle holder.

At the base of the refrigerator compartment, the integrated bottle shelf or alternatively the glass shelf can be used:

- To use the bottle shelf: store the glass shelf compactly under the bottle shelf.
- Place the bottles with the base pointing backwards facing the rear wall.
  - If the bottles project beyond the bottle shelf:
    - set the lower door rack one position higher.

5.4.2 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 3 °C, the recommended temperature is 5 °C.

- For a higher temperature setting: press Up button Fig. 3 (2).
- For a lower temperature setting: press Down button Fig. 3 (3).
- When the button is pressed the first time, the previously set value is indicated, flashing, in the temperature display.
- To change the temperature in 1 °C steps: briefly press the button.
- To change the temperature continuously: hold down the button.
- The value is displayed flashing during the setting operation.
- The actual temperature is displayed about 5 s after the last press of a button. The temperature slowly adjusts to the new value.

5.4.3 SuperCool

With SuperCool you switch to the highest cooling performance to reach lower cooling temperatures.

Use SuperCool, to rapidly cool large amounts of food.

The SuperCool function uses slightly more energy.

Cooling with SuperCool

- Briefly press SuperCool button Fig. 3 (7).
- The SuperCool symbol Fig. 3 (12) lights up in the display.
- The cooling temperature drops to the coldest value.
- SuperCool is activated.
- SuperCool is automatically deactivated after 6 to 12 hours.

The appliance continues to operate in the energy-saving, normal mode.

* Depending on model and options
5.4.4 Holiday mode

The holiday mode saves energy and prevents odour from occurring when the door of the refrigerator compartment stays closed for a lengthy period.

Activating the holiday mode
- Remove all the food from the refrigerator and BioFresh compartment, otherwise they will perish.
- Press the holiday button Fig. 3 (1) for 3 sec.

Deactivating the holiday mode
- Briefly press the holiday button Fig. 3 (1).
- The holiday mode is deactivated.
- The current cooling temperature is indicated in the display.

5.4.5 Shelves

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

Moving or removing shelves
- 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.
- Re-insert shelves at the required height. The stops must face downwards and lie behind the front shelves.

Dismantling shelves
- The shelves can be dismantled for cleaning.

5.4.6 Using the sectioned shelf

Moving or removing shelves
- The glass plate (1) with pull-out stops must be at the front so that the stops (3) face downwards.

5.4.7 Door racks

Moving the storage rack
- Remove storage rack according to illustration.

The boxes can be removed and placed on the table as a single unit.

Three small boxes are available through the customer service as optional equipment instead of one wide and one small box. Either one or both the boxes can be used. If particularly tall bottles are to be stored, hang only a single box above the bottle rack.

Re-positioning the boxes:
- Lift them for removal and re-position them as required.

Dismantling door racks
- The door racks can be dismantled for cleaning.

5.4.8 Removing the bottle holder

- Always take hold of the bottle holder on the plastic part.

5.5 BioFresh compartment

The BioFresh compartment allows some types of fresh food to be stored up to three times longer than in conventional refrigerators, without compromising quality.

* Depending on model and options
For food with an indicated best before date, the date specified on the packaging always applies. If the temperature falls below 0 °C, foodstuffs can freeze.

5.5.1 HydroSafe

The humidity in the compartment depends on the moisture content of the items being stored and the number of times the door is opened. You can set the humidity yourself.

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%.

5.5.2 DrySafe

The DrySafe is suitable for storing dry or wrapped food (e.g. dairy products, meat, fish, sausages). A relatively dry storage climate is established here.

5.5.3 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.

5.5.4 Storage times

**Guidelines for storage periods at low humidity 0 °C**

<table>
<thead>
<tr>
<th>Food</th>
<th>Storage Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butter</td>
<td>up to 90 days</td>
</tr>
<tr>
<td>Hard cheese</td>
<td>up to 110 days</td>
</tr>
<tr>
<td>Milk</td>
<td>up to 12 days</td>
</tr>
<tr>
<td>Cold meats</td>
<td>up to 9 days</td>
</tr>
<tr>
<td>Poultry</td>
<td>up to 6 days</td>
</tr>
<tr>
<td>Pork</td>
<td>up to 7 days</td>
</tr>
<tr>
<td>Beef</td>
<td>up to 7 days</td>
</tr>
<tr>
<td>Game</td>
<td>up to 7 days</td>
</tr>
</tbody>
</table>

**Guidelines for storage periods at high humidity 0 °C**

<table>
<thead>
<tr>
<th>Fruit</th>
<th>Storage Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garlic</td>
<td>up to 160 days</td>
</tr>
<tr>
<td>Cabbage</td>
<td>up to 55 days</td>
</tr>
<tr>
<td>Round lettuce</td>
<td>up to 13 days</td>
</tr>
<tr>
<td>Herbs</td>
<td>up to 13 days</td>
</tr>
<tr>
<td>Leeks</td>
<td>up to 29 days</td>
</tr>
<tr>
<td>Mushrooms</td>
<td>up to 7 days</td>
</tr>
<tr>
<td>Radishes</td>
<td>up to 10 days</td>
</tr>
<tr>
<td>Sprouts</td>
<td>up to 20 days</td>
</tr>
<tr>
<td>Asparagus</td>
<td>up to 18 days</td>
</tr>
<tr>
<td>Spinach</td>
<td>up to 13 days</td>
</tr>
<tr>
<td>Savoy cabbage</td>
<td>up to 20 days</td>
</tr>
</tbody>
</table>

**Vegetables, salads**

<table>
<thead>
<tr>
<th>Vegetable</th>
<th>Storage Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Artichokes</td>
<td>up to 14 days</td>
</tr>
<tr>
<td>Celery</td>
<td>up to 28 days</td>
</tr>
<tr>
<td>Cauliflower</td>
<td>up to 21 days</td>
</tr>
<tr>
<td>Broccoli</td>
<td>up to 13 days</td>
</tr>
<tr>
<td>Chicory</td>
<td>up to 27 days</td>
</tr>
<tr>
<td>Leaf lettuce</td>
<td>up to 19 days</td>
</tr>
<tr>
<td>Peas</td>
<td>up to 14 days</td>
</tr>
<tr>
<td>Kale</td>
<td>up to 14 days</td>
</tr>
<tr>
<td>Carrots</td>
<td>up to 80 days</td>
</tr>
</tbody>
</table>

**Guidelines for storage periods at high humidity 0 °C**

<table>
<thead>
<tr>
<th>Fruit</th>
<th>Storage Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Garlic</td>
<td>up to 160 days</td>
</tr>
<tr>
<td>Cabbage</td>
<td>up to 55 days</td>
</tr>
<tr>
<td>Round lettuce</td>
<td>up to 13 days</td>
</tr>
<tr>
<td>Herbs</td>
<td>up to 13 days</td>
</tr>
<tr>
<td>Leeks</td>
<td>up to 29 days</td>
</tr>
<tr>
<td>Mushrooms</td>
<td>up to 7 days</td>
</tr>
<tr>
<td>Radishes</td>
<td>up to 10 days</td>
</tr>
<tr>
<td>Sprouts</td>
<td>up to 20 days</td>
</tr>
<tr>
<td>Asparagus</td>
<td>up to 18 days</td>
</tr>
<tr>
<td>Spinach</td>
<td>up to 13 days</td>
</tr>
<tr>
<td>Savoy cabbage</td>
<td>up to 20 days</td>
</tr>
</tbody>
</table>

**Note**

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

5.5.5 Adjusting the temperature in the BioFresh compartment

Recommended refrigerator setting: 5 °C. The BioFresh temperature is controlled automatically and is between 0 °C and 3 °C. You can set a slightly higher or lower temperature. The temperature can be adjusted between b1 (coldest temperature) and b9 (hottest temperature) The default is b5. With levels b1 to b4 the temperature may drop below 0 °C so that the food can freeze.

**Note**

For testing institutes: If temperatures below 3 °C are to be reached in the refrigerator compartment:

- set the temperature in the BioFresh compartment to b1-b4.

- To activate the setting mode: press the SuperCool button Fig. 3 (7) for about 5 s.

- The menu symbol Fig. 3 (4) shines. The temperature display indicates c.

* Depending on model and options
6 Maintenance

6.1 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 walls are finished with a high-quality surface coating. Stainless steel care products will damage the surfaces.

▶ Use only a soft, clean cloth to wipe the coated door surfaces and side walls. In case of stubborn dirt, use a little water or a neutral cleaning agent. Another option is to use a microfibre cloth.

▶ 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 items of equipment by hand with lukewarm water and a little washing-up liquid.
▶ 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.
Malfunctions

▶ The compressor runs for a long time.
→ The interior light automatically switches off if the door has been left open for a while.

6.2 Customer service

First check whether you can correct the fault yourself by reference to the list (see Malfunction). If this is not the case, please contact the customer service whose address is given 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)

▶ Put the food back inside.

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 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.

A LED on the bottom rear of the appliance (at the compressor) flashes regularly every 15 seconds*.
→ The inverter is equipped with a diagnostic LED.
▶ The flashing is normal.

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

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 appliance is 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.

The temperature display indicates: F0 to F9
→ There is a fault.
▶ Please contact the after-sales service (see Maintenance).

DEMO shines in the temperature display.
→ The demo mode is activated.
▶ Please contact the after-sales service (see Maintenance).

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.

* Depending on model and options
8 Decommissioning

8.1 Switching off the appliance
▶ Press On/Off button Fig. 3 (6) for approx. 2 seconds.
▶ The temperature display is dark.
▶ If the appliance cannot be switched off, the child lock function is active (see 5.2).

8.2 Taking the appliance out of service
▶ Empty the appliance.
▶ Switch off the appliance (see Decommissioning).
▶ Remove mains connector.
▶ Clean the appliance (see 6.1).
▶ Leave the door open to prevent odour.

9 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.

* Depending on model and options