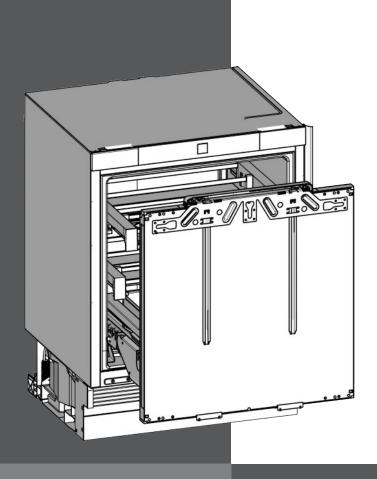
# LIEBHERR

# Instructions for use and installation

Undercounter refrigerator, pull-out drawers



## The appliance at a glance

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Congratulations on the purchase of your new appliance. With this purchase, you have chosen all the advantages of the latest refrigeration technology, guaranteeing you a high-quality appliance with a long life span and high operating safety.

The equipment of your appliance gives you the highest level of day-to-day ease of operation.

Together we are making an active contribution to the conservation of our environment by purchasing this appli-

ance which is manufactured in an environmentally friendly process with the use of recyclable materials.

We hope you enjoy your new appliance.

The manufacturer is constantly working to improve all models. Therefore please understand that we 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, so there may be differences. Sections which only apply to certain appliances are indicated with an asterisk (\*).

Instructions for action are marked with a  $\triangleright$ , the results of action are marked with a  $\triangleright$ .

## 1 The appliance at a glance

#### 1.1 Additional benefits

- Large refrigeration capacity
- Bright LED interior light
- Integrated transport grips on appliance housing
- Easy to clean
- This appliance has a Sabbath Mode function, which makes it possible to use the appliance on religious holidays. Further information can be found on the Star-K website www.star-k.org.

# 1.2 Overview of the appliance and accessories

#### Note

- ► Arrange food as shown in the picture. This arrangement allows the appliance to work more efficiently, thus saving energy.
- ➤ Shelves, drawers, and baskets are arranged for optimal energy efficiency in the factory configuration.

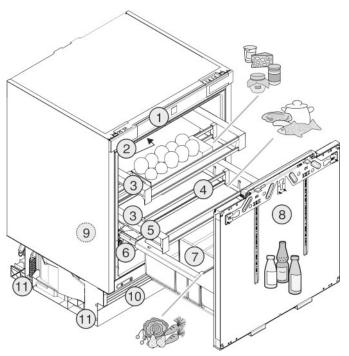


Fig. 1

- (1) Control panel
- (2) Interior light
- (3) Pull-out rack
- (4) Adjustable supporting bars
- (5) Pull-out rack, coldest zone
- (6) Lift-up box

- (7) Bottle shelf
- (8) Adjustable door
- (9) Rating plate
- (10) Adjustable plinth panel
- (11)Front and rear adjusting feet

## 1.3 Range of appliance use

#### Normal use

The appliance is only suitable for cooling food for residential or other similar environments. This includes the following types of uses

- in staff kitchens, bed and breakfasts,
- by guests in country homes, hotels, motels and other types of accommodations,
- for catering and similar wholesale services.

The appliance is suitable for integrated under worktop use

All other types of uses are not permitted.

#### Foreseeable misuse

The following uses are specifically prohibited:

- Storage and cooling of medication, blood plasma, laboratory preparations or similar substances and products in accordance with the CMDCAS and FDA 510(k)
- Use outdoors.
- Use in moist areas exposed to the rain.
- Use in areas at risk of explosion

Incorrect appliance use can cause damage to the stored products or cause them to spoil.

#### **Climate ratings**

The appliance is set to operate within specific ambient temperature limits according to its climate rating The climate rating for your appliance is printed on the rating plate

#### Note

➤ To guarantee trouble-free operation, comply with the indicated ambient temperatures.

Climate rating	for ambient temperatures from
SN	50 °F (10 °C) to 90 °F (32 °C)
N	61 °F (16 °C) to 90 °F (32 °C)
ST	61 °F (16 °C) to 101 °F (38 °C)
Т	61 °F (16 °C) to 110 °F (43 °C)

## 1.4 Conformity

The refrigerant circuit has been tested for leaks. When installed, the appliance complies with the relevant safety regulations and the safety standards CAN/CSA-C22.2 No. 60335-1-11, 60335-2-24-06 and UL 60335-1, UL 60335-2-24.

#### 1.5 Product information

Product information is enclosed with the device in accordance with (EU) Ordinance 2017/1369. The complete product information sheet is available on the Liebherr website in the download area.

## 1.6 Energy saving

- Always ensure good ventilation. Do not obstruct ventilation openings or grilles.
- Never block air slits in the fan.
- Do not install the appliance in direct sunlight or next to an oven, heater, or similar heat source.
- Energy consumption depends on installation conditions such as the ambient temperature (see 1.3). If the ambient temperature differs from the standard temperature of 25 °C, energy consumption can change.
- Avoid opening the appliance door for any longer then necessary
- The lower the temperature is set the higher the energy consumption.
- All food stored in the appliance should be well wrapped and covered. This prevents frost buildup.
- Only take food out for as long as necessary so that it does not get too warm.
- Insertion of warm foods: first let the food cool down to room temperature.

## **General safety information**

## 2 General safety information

Read and follow these instructions. They contain safety advice which is important for safe and problem-free installation and operation. Always read and follow the safety advice.

#### Dangers for the user:

- This appliance can be operated by children as well as by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been instructed in the safe use of the appliance and understand the associated risks. Children must not play with the appliance. Cleaning and user maintenance must not be performed by children unless they are supervised. Children between the ages of 3 and 8 may load and unload the appliance. Children under the age of 3 must be kept away from the appliance if they are not constantly supervised.
- When disconnecting the appliance from the outlet, always take hold of the plug. Do not pull on the cable.
- Disconnect the power plug or switch off the power if a fault occurs.
- Do not damage the mains power line. Do not operate the appliance from a defective mains power line.
- Repairs, work on the appliance and replacement of the mains cable should only be carried out by the customer service department or other specifically trained specialist engineers.
- Only install, connect and dispose of the appliance in accordance with the instructions.
- Only operate the appliance after it has been installed.
- Please keep the instructions and pass them on to any future owner.
- Special-purpose lamps inside the appliance are intended to illuminate its interior compartments and are unsuitable for room illumination.

#### Risk of fire:

- The refrigerant contained within the appliance, R 600a, is environmentally friendly, but flammable. Leaking refrigerant can ignite.
  - Do not damage the pipes of the refrigerant circuit.
  - Do not handle naked flames or ignition sources inside the appliance.

- Do not use electrical devices inside the appliance (e.g. steam cleaners, heaters, ice cream makers, etc.).
- If refrigerant leaks: Remove naked flames or ignition sources located near the area of the leak. Air the room well. Contact the customer service department.
- Do not operate the appliance near explosive gases.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this appliance.
- Do not store explosive materials or spray cans with flammable propellants, such as e.g. butane, propane, pentane, etc. in the appliance. You can recognize such spray cans by the printed contents or a flame symbol. Any leaking gasses can be ignited by electrical components.
- Alcoholic beverages or other containers holding alcohol must always be tightly sealed for storage purposes. Any leaking alcohol can be ignited by electrical components

#### Tipover hazard:

 Do not stand or climb on the base, drawers, doors, etc. This applies in particular to children

#### Risk of food poisoning:

 Do not consume food that has passed its best before date.

# Danger of frostbite, feelings of numbness and pain:

 Avoid continued skin contact with the cold surfaces or chilled/frozen food or adopt protective measures, e. g. use gloves. Do not consume ice cream (especially sherbets) and ice cubes immediately when they are too cold.

#### Risk of injury and damage:

- Hot steam may lead to injuries. Do not use any electrical heating or steam cleaning equipment, naked flames or defrosting sprays for defrosting
- Do not remove ice with sharp objects

#### Risk of crushing:

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

#### **California Proposition 65**

- This product contains chemicals known to the state of California to cause cancer or reproductive harm.
- This product can expose you to chemicals including Diisononyl Phthalate (DINP) which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
- This product can expose you to chemicals including Di-isodecyl Phthalate (DIDP) which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

## Symbols on the device:



The symbol can be on the compressor. It refers to the oil in the compressor and refers to the following danger: Can be lethal if swallowed or inhaled. This notice only applies for recycling. There is no danger during normal operation.

# Follow the specific instructions in the other sections:

À	DANGER	indicates a hazardous situation, which if not avoided, will result in death or serious injury.
À	WARNING	indicates a hazardous situation, which if not avoided, could result in death or serious injury.
<u> </u>	CAUTION	indicates a hazardous situation, which if not avoided, will result in minor or moderate injury.
	NOTICE	indicates a hazardous situation, which if not avoided, could result in damage to property.
	Note	indicates useful advice and tips.

## 3 Controls and displays

## 3.1 Operating and control elements

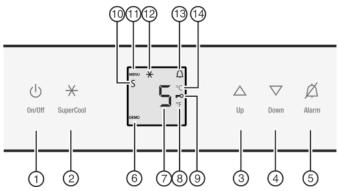


Fig. 2

- (1) On/Off button
- (2) SuperCool button
- (3) Up button
- (4) Down button
- (5) Alarm button
- (6) DEMO mode display
- (7) Temperature display
- (8) Fahrenheit display
- (9) Child safety symbol
- (10)Sabbath mode symbol
- (11)MENU symbol
- (12)SuperCool symbol
- (13) Alarm symbol
- (14) Celsius display

## 3.2 Temperature display

The following is displayed in normal operation:

- the average cooling temperature

The following displays indicate malfunction. Possible causes and corrective actions: (see Troubleshooting).

- F0 to F9

## 4 Start-up

## 4.1 Transporting the appliance



#### CAUTION

Risk of injury or damage if incorrectly transported.

- ▶ Transport the appliance in its packaging.
- ► Transport the appliance upright.
- ▶ Do not move the appliance on your own.

## 4.2 Setting up the device



#### **WARNING**

Risk of fire due to short circuit.

If the power cable or plug of the appliance or another appliance and the back of the appliance touch each other the power cable or plug will be damaged by the vibrations of the appliance which could lead to a short circuit.

- Install the appliance so that it does not touch any plugs or power cables.
- ▶ Do not connect the appliance or other appliances to the sockets on the back of the appliance.



#### **WARNING**

Risk of fire due to moisture!

If live parts or the power cord get wet, this can cause a short circuit.

- ▶ The appliance is designed for use in enclosed spaces. Do not operate the appliance in open space or in damp areas or where there is spray.
- ▶ Only operate the appliance after it has been installed.



#### WARNING

Risk of fire due to refrigerant.

The refrigerant contained within the appliance, R 600a, is environmentally friendly, but flammable. Leaking refrigerant can ignite.

▶ Do not damage the pipes of the refrigerant circuit.



#### WARNING

Danger of fire and damage!

▶ Do not place devices that give off heat, e.g. microwaves, toasters, etc. on the appliance.

#### NOTICE

Risk of damage caused by condensation

Installing the appliance next to any other refrigerator or freezer can cause condensation or damage to the Liebherr appliance.

▶ Do not install this appliance next to any other refrigerator or freezer except another Liebherr model. Liebherr models are designed to allow side-by-side installation. They are equipped with a heating system to eliminate condensation when refrigerators or freezers are installed side-by-side.

#### NOTICE

Risk of damage for the finished floor surface!

▶ Protect the finished floor surface before you uncrate the unit.



# MARNING

Danger of damage from overheating. May restrict opera-

► Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.



#### **WARNING**

Danger of tilting.

- ▶ To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.
- ☐ If possible, have a professional install the appliance in your kitchen cabinet unit.
- ☐ If the appliance is damaged check with the supplier immediately before connecting it.
- ☐ The floor of the installation site must be horizontal and level.
- ☐ Do not install the appliance in direct sunlight or next to an oven, heater or similar heat source.
- Do not install the appliance on your own. It is better to do this with two or more people.
- ☐ The more R 600a refrigerant is in the appliance, the larger the room must be where the device is located. In the case of a leak, a flammable gas-air mixture may be created in a room that is too small. In accordance with standard EN 378, for every 0.39 oz (11 g) R 600a coolant, the installation space must be at least35.5 ft3 (1 m<sup>3</sup>). The amount of refrigerant in your appliance is indicated on the identification plate inside the appliance.
- ☐ If the appliance is installed in a very damp environment condensate water may form on the outside of the appliance. Always ensure good ventilation.
- ☐ The load-bearing capacity of the floor must be sufficient for the weight of the appliance plus about 1200 pounds (544 kg) of food weight.
- ▶ Note down the type (model, number), appliance name, appliance or serial number, date of purchase and manufacturer's address in the place provided for this in the Use & Care Manual.
- Remove all materials that could prevent it from being installed properly or prevent proper ventilation from the back or the side panels of the appliance.

#### After installation:

▶ Remove protective films, adhesive tapes and transport safety devices, etc.

#### Note

Clean the appliance (see operating instructions, "Cleaning the appliance" section).

#### 4.3 Installation

All fasteners are supplied with the appliance.

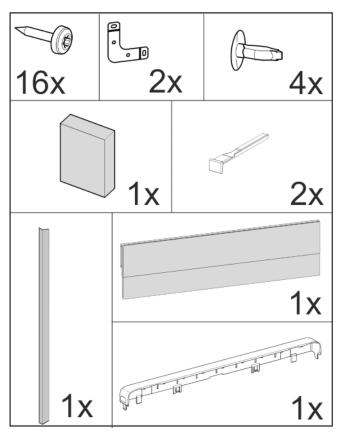


Fig. 3

Make sure you have the following tools on hand:

- ☐ Cordless screwdriver Torx® 15, 25
- ☐ Hex wrench 13
- ☐ Torx® 15 screwdriver
- ☐ Slot screwdriver 6
- □ Allen key 8
- □ Tape measure
- □ Pencil
- □ String
- □ Spirit level



#### WARNING

Risk of fire due to short circuit!

- ▶ When inserting the appliance into the recess do not squash, jam or damage the power cable.
- ▶ Do not operate the appliance with a faulty power cable.

#### **NOTICE**

Risk of damage caused by water condensate!

▶ For Side-by-Side installation, freezer and refrigerator side by side, always install the freezer on the right side of the refrigerator (seen from the front). No condensate forms between the appliances thanks to the side wall heating system foamed in on the left.

Make sure the electrical sockets can be accessed. Check the installation dimensions

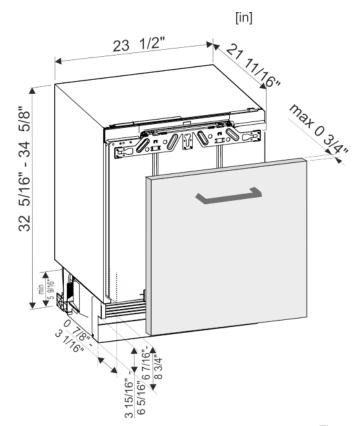


Fig. 4

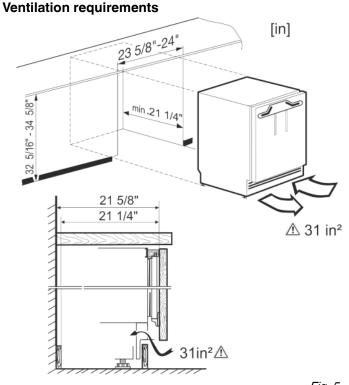


Fig. 5

There must be a **ventilation gap** of at least 200 cm<sup>2</sup>. If there is not enough ventilation, the appliance will consume more energy.

## Start-up

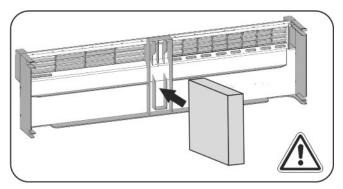


Fig. 6

Fix the **foam element** centrally in the appliance plinth trim.

The foam element is used to separate the incoming and outgoing air currents and permits sufficient ventilation.

#### Weight of the unit door

#### Note

- ▶ Before assembling the unit door, make sure that the permitted weight for the unit doors is not exceeded
- ▶ Otherwise damage to the telescopic rails and malfunctions arising from this cannot be ruled out.

Model	Maximum weight of unit door
S/UIKo	22.05 lbs (10 kg)

#### Side fastening

- ☐ Installation below hard worktops such as granite.
- ☐ With the adjusting feet completely screwed out, the appliance is lower than the counter top.
- ☐ Requirement: Cabinet side panel for the screw connection.

#### Top fastening

- When the adjusting feet are screwed out completely, the appliance sits slightly tensioned below the worktop.
- No granite top.

## 4.3.1 Assembling the appliance

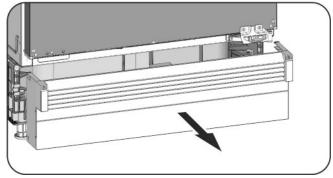


Fig. 7

▶ If the appliance plinth trim is already installed, remove it from the front.

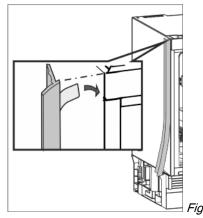
- ▶ Remove the mains cable from the back of the appliance. Also remove the cable holder, otherwise there will be vibration noise!
- ▶ Position the mains cable using a piece of string so that the appliance can easily be connected to the electricity supply after it has been built-in



#### NOTICE

Risk of damage to delicate floors!

- ▶ Place a strip of cardboard under the height-adjustable feet, approx. 4 in.x24 in. (10 cm x 60 cm), one at either side. Cut the strips out of the packaging. If the recess heights are smaller than (826 mm) cut the strips out of a firm but thin material.
- ▶ After the appliance has been slid in, remove the strips.



With a 23-5/8 " (600 mm) wide recess: Do not use strips.

With a 24-1/32  $^{\prime\prime}$  (610 mm) wide recess: Place the strips on the side.

- The appliance is to the right of the adjacent cabinet: Fit the strip to the left.
- The appliance is to the left of the adjacent cabinet: Fit the strip to the right.
- ▶ Place the strip under the top edge and stick it to the side panel. The strip must not be shortened.

#### Top fastening

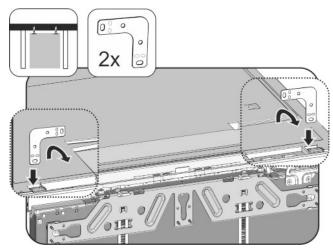


Fig. 10

- Insert the bracket in the opening in the top of the appliance and turn it forward.
- ► Push the appliance into the recess and align it, see Aligning the appliance.

#### Side fastening:

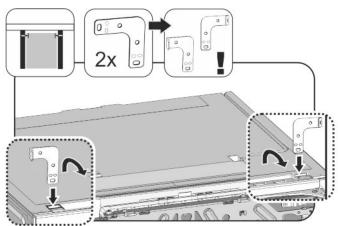


Fig. 11

- ➤ Turn both brackets prior to assembly on one end. Insert the straight side in the opening in the top of the appliance and turn it forward.
- ► Push the appliance into the recess and align it, see Aligning the appliance.

#### Aligning the appliance

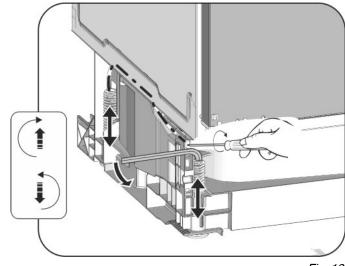


Fig. 12

- ▶ Unscrew the rear adjusting feet with a screwdriver and the front adjusting feet with an Allen key 8 in an alternating manner until they are below the worktop.
- ▶ Align the appliance vertically, using a spirit level.
- The distance between the front edge of the unit side wall and the appliance itself is 1-5/8 " (41.5 mm) on both sides.
- > If there is no cabinet side panel, align it with the work top.

## In units with door stop components (knobs, sealing lips, etc.)

- ➤ Subtract the additional distance (for depth of the door stop components) from the 1-5/8 " (41.5 mm) insertion depth.
- Unscrew the rear adjusting feet with a screwdriver and the front adjusting feet with an Allen key 8 (for screwed in adjusting feet) or screwdriver (with unscrewed adjusting feet) in an alternating manner as far as possible. The maximum adjustment distance is 2-3/8 " (60 mm).
- > The appliance is aligned vertically
- The appliance is blocked slightly in the recess between the floor and the worktop.

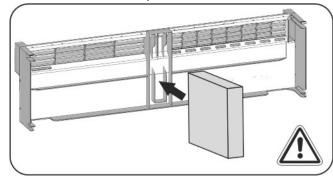


Fig. 13

▶ Insert the foam element in the appliance plinth trim functionally important for separate air currents!

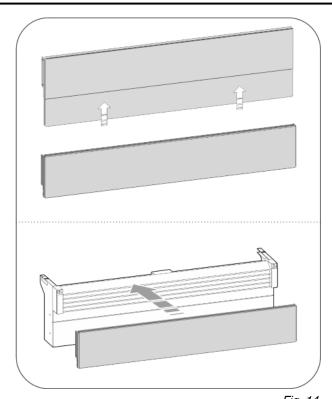


Fig. 14

Push the supplied stainless steel cover trim together and place it on the white appliance plinth trim.

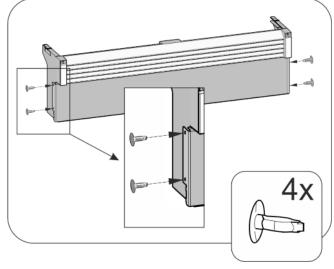


Fig. 15

▶ With the supplied plugs, fasten the cover trim on the right and left on the appliance plinth trim.

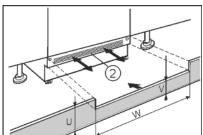


Fig. 16

▶ Position the appliance plinth trim (2) but do not fix it yet.

- ▶ Position the unit door and unit plinth trim for testing
- ▶ If the plinth trim (2) is visible, pull it forward as far as possible so that the front edge of the ventilation grid and the unit plinth trim lie flush.

#### -or-

- ▶ If the plinth trim (2) is covered, push it fully back.
- ▶ Make sure the ventilation slots are completely unobstructed: If necessary, crop the height of the unit plinth trim (U)!
- Adjust the height of the rack (V) below the appliance plinth trim (2) along the width of the recess (W).

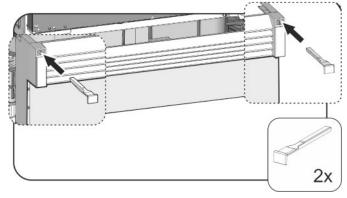


Fig. 17

- ➤ To position and fix the appliance plinth trim: Keep a steady grip on the appliance plinth trim and insert the latch.
- Fix the unit plinth trim.

#### To secure the appliance in the recess

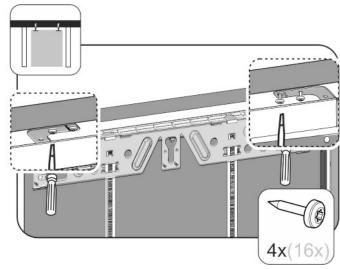


Fig. 18

➤ To fasten the appliance below the worktop, fasten the mounting brackets with two screws each below the worktop.

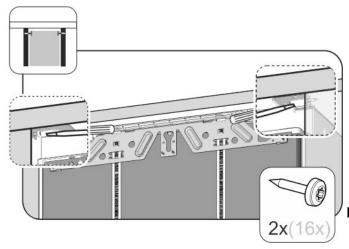


Fig. 19

► For side fastening, fasten the mounting bracket with a screw on the right and on the left in the recess.

## 4.3.2 Installing the unit door

Installing the handle on the unit door

#### Note

To guarantee that the pull-out compartment will pull-out evenly:

➤ Always install the unit handle in the middle of the unit door.

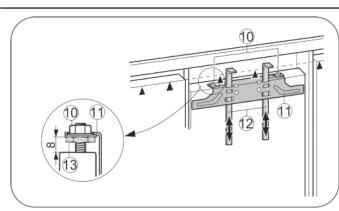


Fig. 20

- ➤ Check the 5/16 " (8 mm) presetting. (Distance between appliance door and lower edge of crosspiece)
- ► Raise the fitting aids Fig. 20 (12) to unit door height. Bottom stop edge of ▲the fitting aid = top edge of the unit door to be fitted.
- ▶ Unscrew the crosspiece Fig. 20 (11) by undoing the locknuts Fig. 20 (10).

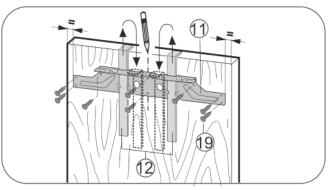


Fig. 21

- ▶ Hang the crosspiece *Fig. 21 (11)* on the inside of the unit door using the fitting aids *Fig. 21 (12)*.
  - With a 23-5/8 " (600 mm) wide recess:
- ▶ Align the crosspiece Fig. 21 (11) to the middle of the

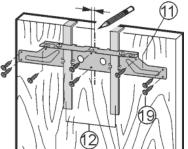


Fig. 22

With a 24-1/32 " (610 mm) wide recess:

- ▶ Align the crosspiece Fig. 22 (11) to the middle of the
- ▶ Left strip: Move the crosspiece Fig. 22 (11)1/4 (6 mm) to the left.

#### -or-

► Right strip: Move the crosspiece Fig. 22 (11)1/4 (6 mm) to the right.

#### For chipboard doors

► Secure the crosspiece *Fig. 21 (11)* with at least 6 screws *Fig. 21 (19)*.

#### For frame and panel doors

- ► Secure the crosspiece Fig. 21 (11) with 4 screws Fig. 21 (19) at the edge.
- ▶ Lift up fitting aids *Fig. 21 (12)*, turn round and insert into the adjacent openings.

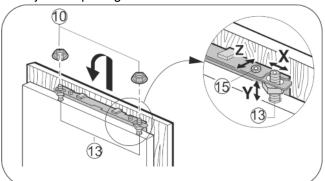


Fig. 23

## Start-up

- ▶ Attach the unit door on the adjusting bolts Fig. 23 (13) and loosely screw locknuts Fig. 23 (10) onto the adjusting bolts.
- ▶ Close the door.
- ▶ Check the gap between the door and the surrounding unit doors
- ➤ To laterally align the unit door Move the unit door in the X direction.
- ➤ To align the unit door in the Y direction (height) and in lateral inclination: Adjust the adjusting bolts *Fig. 23 (13)* with a screwdriver.
- The unit door is flush and in alignment with the surrounding unit fronts
- ► Tighten the locknuts Fig. 23 (10).

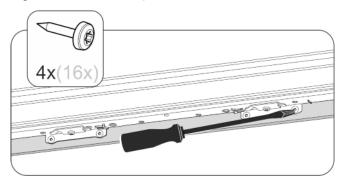


Fig. 24

- ▶ Screwing the unit door to the appliance door.
- ▶ Drill pilot holes in the door of the unit (you could make a preliminary hole with a bradawl)
- Screw the appliance door to the unit door with screws through the mounting brackets.

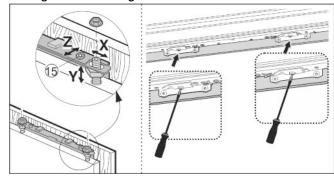


Fig. 25

- ▶ Align the unit door in depth **Z** : loosen the upper and lower screws on the door, then move the door.
- ▶ Do not allow the knobs and sealing lips to contact the door important for function
- ➤ Set an air gap of 3/32 " (2 mm) between the unit door and the body of the unit.



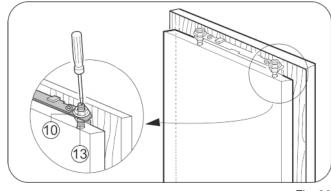


Fig. 26

- ► Check the fit of the door and re-adjust, if necessary
- Tighten all screws
- ▶ Tighten the locknuts *Fig. 26 (10)* with a hex wrench 13, while counter-holding the adjusting bolts *Fig. 26 (13)* with a screwdriver.

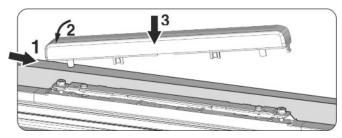


Fig. 27

▶ Position the upper cover and snap it into place.

Check the following points to make sure the appliance is installed correctly Otherwise, icing up, the formation of condensate, and malfunctions can occur

- > The door must close properly
- > The unit door must not touch the body of the unit

## 4.4 Adjust the fit of the door seal

It may be necessary to adjust the appliance door depending on the weight of the unit door.

After assembling the unit door, check that the door seal is fully fit up against the appliance body.

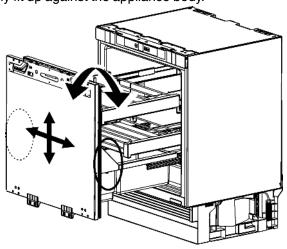


Fig. 28

The adjustment settings are located to the right and left below the bottle shelf on the inner door.

The appliance is delivered with the adjustment setting in the 0 position.

The following settings are possible:

- ☐ Inclination ± 1°
- ☐ Upward adjustment of 4 mm
- Downward adjustment of 2 mm
- □ 2 mm adjustment to the left or right

#### NOTICE

Functional impairments and risk of damage!

➤ Only use the appliance door adjustment to ensure that the door seal of the pull-out compartment lies 100% up against the appliance body and not to adjust the unit door.

If necessary, place a luminous flashlight inside to check the tight closure of the door.

## 4.4.1 Adjusting the inclination of the door

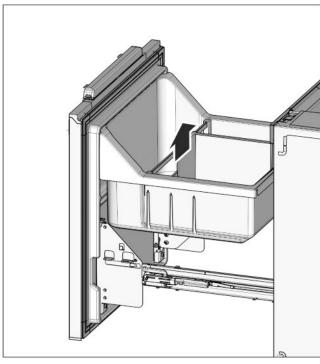


Fig. 29

#### Note

- ► Always perform the adjustment on both the right and left side!
- Lift up the vegetable drawer

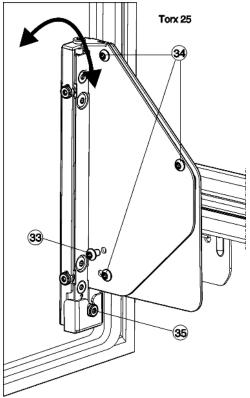


Fig. 30

- ► Fully unscrew the screws Fig. 30 (34).
- Dispose of the screws Fig. 30 (34) as they will no longer be needed.
- ▶ Only loosen the screws Fig. 30 (34) with 1 to 2 turns.
- ▶ Turn the adjusting screw Fig. 30 (35). In a clockwise direction: the top of the door tilts away from the appliance body. In an anticlockwise direction: the top of the door tilts towards the appliance and the bottom tilts away from the appliance body.
- ► After adjusting the inclination, retighten all screws *Fig. 30 (34)*.

#### 4.4.2 Leveling the door

#### Note

► Always perform the adjustment on both the right and left side!

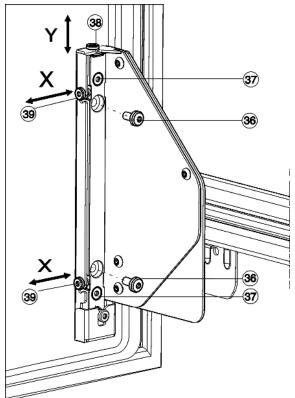


Fig. 31

#### Height adjustment, Y:

- ► Fully screw out the screws Fig. 31 (36).
- Dispose of the screws Fig. 31 (36) as they will no longer be needed.
- ▶ Only loosen the screws Fig. 31 (37) with 1 to 2 turns.
- ▶ Turn the adjusting screw (38). In a clockwise direction: the door moves max. 4 mm upwards. In an anticlockwise direction: the door moves max. 2 mm downwards.
- ► Retighten all screws Fig. 31 (37).

#### Lateral adjustment, X:

- ▶ If the screws Fig. 31 (36) are still present, unscrew them fully.
- ▶ Only loosen the screws *Fig. 31 (37)* with 1 to 2 turns.
- ▶ Adjust the adjusting screws *Fig. 31 (39)* according to the desired lateral adjustment direction.
- ▶ Retighten the screws *Fig. 31 (37)* after the lateral adjustment is complete.
- ▶ Reinsert the bottle shelf Fig. 29 (32) and the vegetable drawer Fig. 29 (31).

#### Note

Make sure that the vegetable drawer is correctly inserted and has engaged.

Otherwise, the door will not close properly.

▶ Insert the vegetable drawer flush with the inner door.

## 4.5 Disposal of packaging



#### WARNING

Danger of suffocation from packaging materials and films! Do not allow children to play with packaging materials. The packaging is made from recyclable materials:

- Corrugated card/cardboard
- Parts made of foamed polystyrene
- Films and bags from polyethylene
- Packing bands from polypropylene
- Wood frame nailed together with a polyethylene window\*
- ▶ Take the packaging material to an official collection point.

## 4.6 Connecting the appliance



#### **WARNING**

Electrical shock hazard!

- Start-up should only take place once the appliance has been installed according to these instructions.
- ► Electrically ground appliance.
- ▶ Do not ground to a gas pipe.
- ► Check with a qualified electrician if you are not sure the appliance is properly grounded.
- ▶ Do not have a fuse in the neutral or grounding circuit.
- Do not use an extension cord, power bar or a multiple socket adapter.
- ▶ Do not use a power cord that is frayed or damaged.



#### **WARNING**

Electrical shock hazard!

This appliance is equipped with a three-prong (grounding) polarized plug for your protection against possible shock hazards. Electrical Grounding Required.

- ▶ Do not remove the round grounding prong from the plug.
- ▶ Use only an grounded adapter.
- Wait 1 hour after installation before you plug in the appliance. This allows the refrigerant and system lubrication to reach equilibrium.
- Make sure incoming voltage is the same as the appliance rating. A 110-120 Volt, 60 Hz, 15 Amp electrical supply (20 Amp for side-by-side installations) circuit that is controlled by a circuit breaker or fuse is required.
- We recommend using a dedicated circuit for this appliance to prevent electrical overload.
- Follow all Federal, State and local electrical, fire and building codes and ordinances when installing the receptacle and / or the appliance.
- In some communities, a wall switch is required to turn power to the appliance ON and OFF.
- To reduce the risk of fire, electric shock, or personal injury, installation work and electrical wiring must be done by a qualified electrician in accordance with all applicable codes and standards, including fire-rated construction.
- The Power Plug must be easily accessible so that the appliance can be disconnected from the mains quickly in an emergency. It must not be behind the back of the appliance.

 The top of the electric outlet must be located within 82-5/8 in. (2100 mm) from the top of the base in the cabinet.

#### 4.7 Switch on the device

- ▶ Open the door.
- ▶ Press the On/Off button Fig. 2 (1).
- The temperature display lights up. The appliance is switched on.
- If "DEMO" appears on the display, 'demonstration mode' is activated. Contact Customer Service.



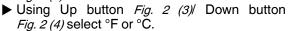
## 5 Operation

## 5.1 Temperature display unit

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

## 5.1.1 To change the unit

- ➤ To activate setting mode: Press and hold the Super-Cool button *Fig. 2 (2)* for approx. 5 s.
- > The Menu symbol Fig. 2 (11) lights up.
- > **5** is displayed in the temperature display.
- ► Using Up button Fig. 2 (3) Down button Fig. 2 (4) select °.
- ➤ To confirm: Briefly press the SuperCool button *Fig. 2 (2)*.



- ➤ To confirm: Briefly press the SuperCool button *Fig. 2 (2)*.
- ► To exit setting mode: Press On/Off button Fig. 2 (1).
- ► Wait 5 minutes.
- The temperature is again displayed in the temperature display.

## 5.2 Child-proof lock

You can use the child-proof lock to lock the buttons. This means that children cannot accidentally switch off the appliance when playing.



## 5.2.1 Switching on the child proof lock

- ▶ Select setting mode: Press and hold the SuperCool button *Fig. 2 (2)* for approx. 5 seconds.
- > 5 will appear on the display.
- > The Menu symbol Fig. 2 (11) lights up.
- ▶ Using the Up Fig. 2 (3) or Down button Fig. 2 (4), select
- ▶ Press the SuperCool button Fig. 2 (2) briefly to confirm.

- When **c!** is shown on the display:
- ➤ To switch on the child proof lock, press the SuperCool button Fig. 2 (2) briefly.



 The Child safety symbol Fig. 2 (9) lights up. c flashes on the display.

When **c**0 is shown on the display:

- ▶ To switch the child proof lock off, press the SuperCool button *Fig. 2 (2)* briefly.
- The Child safety symbol Fig. 2 (9) goes out. c flashes on the display.
- ► To deactivate setting mode: Press the On/Off button Fig. 2 (1).

-or-

- ▶ Wait 5 min.
- The temperature is again displayed on the temperature display.

#### 5.3 Door alarm

If the door is open for longer than 180 seconds, the acoustic warning sounds.



The acoustic warning stops automatically when the door is closed

## 5.3.1 Switching off the door alarm

The acoustic warning can be switched off when the door is open. The acoustic warning remains switched off as long as the door is open. When the door is closed, the alarm function is active again.

- ▶ Press Alarm button Fig. 2 (5).

#### 5.4 Sabbath Mode

This function meets the religious requirements on the Sabbath and Jewish festivals. When the appliance is in Sabbath mode some control electronic functions are switched off. After setting Sabbath mode you no longer need to worry about indicator lights, figures, symbols, displays, alarm messages and fans. The thawing cycle only operates at the specified time without taking refrigerator use into account. After a power cut the appliance automatically switches on again in Sabbath mode.

You can find a list of Star-K-certified appliances at www.star-k.org/appliances.

## Operation



#### WARNING

Danger of food poisoning!

No record will be kept of a power failure during Sabbath Mode. Thus, during Sabbath mode, if a power failure occurs that you are not aware of, when the power comes back on, the unit will continue to be in Sabbath Mode but when Sabbath Mode is ended there will be no indication that a power failure occurred.

If a power failure occurs during Sabbath mode:

- Check the quality of the food. Do not consume spoiled food!
- All functions are blocked until Sabbath mode is switched off.
- If the unit is currently running in a mode such as Superfrost, Supercool or the Ventilation is enabled these functions will continue and finish their timed cycles independent of now being in Sabbath mode.
- No audible signals are emitted, and the temperature display does not indicate any warnings or settings (such as a temperature alarm or door alarm).
- Light does not operate.

## 5.4.1 Setting Sabbath mode

- ➤ To activate setting mode: Press and hold the Super-Cool button *Fig. 2 (2)* for approx. 5 s.
- $\triangleright$  **5** flashes on the display.
- The Menu symbol Fig. 2 (11) lights up.
- ➤ To access the Sabbath mode function: Briefly press the SuperCool button *Fig. 2 (2)*.
- $\triangleright$  **5** flashes on the display.

When **5I** is shown on the display:

► To turn on Sabbath mode, briefly press the SuperCool button Fig. 2 (2).

When 50 is shown on the display:

▶ To turn off Sabbath mode, briefly press the SuperCool button Fig. 2 (2).



50

► To deactivate setting mode: Press the On/Off button Fig. 2 (1).

-or

- ▶ Wait 5 min.
- The Sabbath Mode symbol Fig. 2 (10) appears on the temperature display as long as Sabbath Mode is active.
- Sabbath mode switches off automatically after 120 hours if it is not manually switched off beforehand.

## 5.5 Refrigerating food

It is coldest directly above the vegetable drawers and at the rear wall. The warmest areas are located in the top front section and in the door.

#### Note

► Load the pull out drawer with the bottle rack and vegetable drawer with no more than 20 Umrechnung von kg wurde noch nicht definiert! (20 kg) of food.



#### WARNING 🗠

Danger of fire

Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.

#### Note

Insufficient ventilation results in an increase in energy consumption and reduction of the refrigerating performance

- ▶ Never block the air slits in the fan.
- ➤ Store perishable food such as ready-meals, meat and sausage products and in the middle of the coldest zone. Store butter and preserves in the top part. (see The appliance at a glance)
- ▶ Use recyclable plastic, metal, aluminum and glass containers and cling film to wrap foods.
- Always use closed containers for liquids and for food that may give off or be tainted by odor or flavor transfer or cover them.
- ▶ Do not store food too close together to enable sufficient air circulation.

## 5.6 Setting the temperature

The temperature depends on the following factors:

- the number of times the door is opened
- the room temperature of the installation location
- the type, temperature and amount of food.

The temperature is continuously adjustable across a range of 36 °F (2 °C) to 49 °F (9 °C), and the advisable range is 39 °F (4 °C).

- ► To set a higher temperature: press the Up button Fig. 2 (3).
- ► To set a lower temperature: press the Down button Fig. 2 (4).
- When pressed once the previously set temperature display value will flash.
- ► To change the temperature in 1 °F (1 °C) increments: briefly press the button.
- ➤ To change the temperature continuously: hold the button down.
- > The value is displayed flashing during the setting operation
- The actual temperature is displayed about 5 seconds after the last press of a button. The temperature slowly adjusts to the new value.

## 5.7 SuperCool

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



If SuperCool has been switched on the appliance runs at maximum refrigerating capacity. As a result the noises from the refrigeration unit may temporarily be louder.

SuperCool will use more energy than normal operation.

## 5.7.1 Cooling with SuperCool

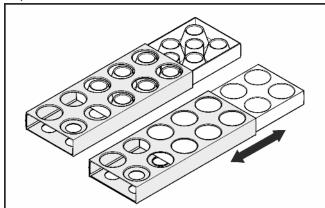
- ▶ Briefly press the SuperCool button Fig. 2 (2).
- The SuperCool symbol Fig. 2 (12) lights up in the display.
- > The cooling temperature drops to the coldest value. SuperCool is switched on.
- SuperCool switches itself off automatically after 12 hours. The appliance continues to work in normal energy-saving mode.

## 5.7.2 To prematurely switch off SuperCool

- ▶ Briefly press the SuperCool button Fig. 2 (2).
- The SuperCool symbol Fig. 2 (12) goes out in the display.
- > SuperCool is switched off.

## 5.8 Egg tray

You can take out and rotate the egg tray. You can use the two parts of the egg tray to mark different use-by dates, for example.



- ▶ Use the top part to store e.g. chickens' eggs.
- ▶ Use the bottom part to store quails' eggs.

## 5.9 Moving the supporting bars

# <u>^</u>

#### **CAUTION**

Danger of lacerations!

The storage shelf can shatter if dropped or mishandled. You could cut yourself on the pieces of broken glass.

▶ Only remove storage shelves when there is nothing on them.

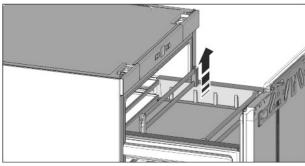
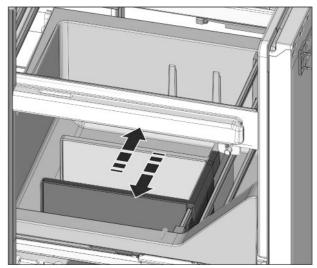


Fig. 32

▶ Grasp the right and left supporting bars and carefully remove them from above and then insert them in the new position until the mounts engage.

## 5.10 Dividing the vegetable drawer



Fia. 33

▶ The partition can be used to divide the vegetable drawer. Insert the partition on the guide racks or simply pull them out from the top.

## 5.11 Storing in the lift-up box

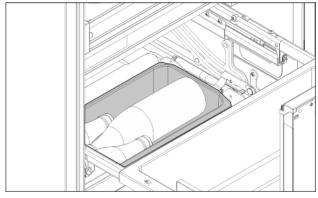


Fig. 34

▶ Unopened and securely closed bottles and packages can be stored in the lift-up box.

#### Note

▶ Do not load the lift-up box with more than 4kg.

## 6 Maintenance

## 6.1 Thawing

## 6.1.1 Defrosting the refrigerator



## WARNING

Risk of injury and damage

- ▶ Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- ▶ Do not use any electrical heating or steam cleaning equipment, naked flames or defrosting sprays for defrosting.
- ▶ Do not remove ice with sharp objects.
- ▶ Do not damage the pipes of the refrigerant circuit.

The fridge compartment defrosts automatically. The defrosted water will evaporate. Drops of water on the back wall are a functional feature; this is completely normal.

➤ Clean the drain opening regularly so that the condensation water can drain away. (see 6.2)

## 6.2 Cleaning the appliance



#### **WARNING**

Risk of injury or damage due to hot steam.

Hot steam can cause scalding/burns and damage to surfaces.

▶ Do not use steam cleaners.

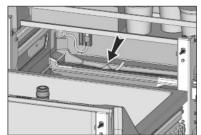
#### NOTICE

Incorrect cleaning damages the appliance.

- ▶ Do not use concentrated cleaning agents.
- ▶ Do not use steel wool or sponges that scour or scratch.
- ▶ Do not use caustic or abrasive cleaning materials or those containing sand, chloride, or acids.
- ▶ Do not use chemical solvents.
- ▶ Do not damage or remove the rating plate on the inside of the appliance. It is vital for the customer service department.
- ▶ Do not pull off, kink or damage any cables or other components.
- ▶ Do not let cleaning water get into the drain gutter, the ventilation grille and electrical parts.
- ► Use soft cleaning cloths and a multi-purpose cleaning agent with a neutral pH value.
- ▶ Only use food-compatible cleaning and care agents inside the appliance.
- **▶** Empty the appliance.
- ▶ Disconnect the power plug.



- Clean the plastic surfaces, outside and inside, by hand using lukewarm water and a little dish washing liquid.
- ➤ To clean the drain opening: Remove deposits with a thin instrument, e.g. a cotton bud.



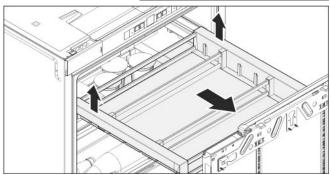


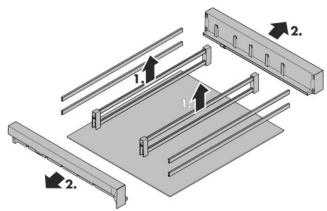
Fig. 35

➤ To remove the rack: lift up at the back as in the picture and pull out forwards.

#### Note

- ▶ If the storage compartment can no longer be pulled out as far as it could initially, pull the telescopic rails out fully once. The ball bearing cage on the telescopic rails will then re-align and it will be possible to pull the compartment out fully again.
- ► Clean the **telescopic rails** with a damp cloth only. The grease in the tracks is for lubrication purposes and should not be removed.

## Troubleshooting.



- ▶ To dismantle the rack: lift the supporting bars upward, pull out the retainers. The front and rear supporting bars, as well as the glass base are free.
- ▶ To insert the rack: Push the telescopic rails in.
- ▶ Put the storage compartment on the telescopic rails and push backwards until it clicks into place.

#### After cleaning:

- ► Wipe the appliance and accessories dry.
- ► Connect the appliance and switch it on again.

#### 6.3 Customer service

First check whether you can remedy the fault yourself (see Troubleshooting). If this is not the case, please contact a qualified service provider.



#### WARNING

Risk of injury from repairs by non-professionals.

- ▶ Repairs and work on the appliance and the power supply cable not described in the Manual (see Maintenance) should only be carried out by a qualified service provider.
- ▶ Read the appliance designation
  Fig. 36 (1), service no.
  Fig. 36 (2) and serial no. Fig. 36 (3) from the rating plate. The rating plate is located inside the appliance on the left-hand side.

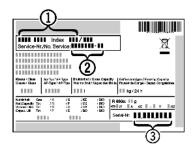


Fig. 36

- ▶ Notify a qualified service provider, specifying the fault, appliance designation *Fig. 36 (1)*, service no. *Fig. 36 (2)* and serial *Fig. 36 (3)* no.
- This will help us to provide you with a faster and more accurate service.
- Keep the appliance closed until the Customer Service engineer arrives.
- > The food will stay cool longer.
- ▶ Disconnect the power plug (do not pull on the power cord to do this) or switch off the fuse.

## 6.4 Appliance Information

Make a note of this information when the appliance is installed:

Type Designation:	
Service Number:	
Appliance / Serial Number:	
Date of purchase:	
Where purchased:	
•	

## 7 Troubleshooting.

Your appliance is designed and manufactured for reliable operation and a long lifespan. If a malfunction nonetheless occurs during operation, please determine if the malfunction is due to an operating error. If a service call determines operator error, you will be charged for the costs incurred, even during the warranty period. You may be able to rectify the following problems yourself:

Problem	Possible Cause	Correction
The appliance	The appliance is not switched on.	➤ Switch on the appliance.
does not work.	The power plug is not properly inserted in the wall socket.	► Check the power plug.
	The fuse in the wall socket is not OK.	► Check the fuse.

# Troubleshooting.

Problem	Possible Cause	Correction
	Power failure	<ul> <li>Keep the appliance closed.</li> <li>Protect the food: place dry ice on top of the food or use an alternate freezer, if the power failure persists for some time.</li> <li>Do not re-freeze defrosted food.</li> </ul>
The compressor runs for a long time.	When less refrigeration is required, the speed-controlled compressor switches to a low speed. Although the running time is increased as a result, energy is saved.	► This is normal in energy-saving models.
	SuperCool function is activated.	► The compressor runs long to rapidly cool food. This is normal.
An LED at the lower rear of the appliance (near the compressor) flashes regularly every 5 seconds*.	There is a fault.	► Contact the customer service department (see Maintenance).
Noises are too loud.	The different speed levels of speed-controlled* compressors can cause them to generate various noises during operation.	► These noises are normal.
A gurgling sound	This sound comes from the refrigerant flowing in the refrigeration circuit.	► The sound is normal.
A faint clicking sound	The sound always occurs when the refrigeration unit (the motor) automatically switches on or off.	► The sound is normal.
A hum. It is briefly a little louder when the refrigeration unit (the motor)	The refrigeration increases automatically when the SuperCool function is activated, fresh food has just been placed in the appliance or the door has been left open for a while.	The ambient temperature is too high.
switches on.	The ambient temperature is too high.	► Solution: (see 1.3)
Vibration noise	The appliance is not standing firmly on the floor. As a result, objects and adjoining units are set into vibration by the running refrigeration unit.	necessary.
The temperature display indicates: F0 to F9.	There is a fault.	► Contact the customer service department (see Maintenance).
DEMO lights up in the temperature display.	The demo mode is activated.	► Contact the customer service department (see Maintenance).
The outside surfaces of the	The heat of the refrigerant circuit is used to prevent condensate from forming.	

Problem	Possible Cause	Correction
appliance are hot*.		
The temperature is not cold	The door of the appliance is not closed properly.	Close the appliance door.
enough.	Insufficient ventilation.	Clear and clean the ventilation grille.
	The ambient temperature is too high.	► Solution: (see 1.3)
	The appliance was opened too frequently or for too long.	▶ Wait to see whether the required temperature resets itself by itself. If not, contact the customer service department (see Maintenance).
	The appliance is too near to a heat source (stove, heater etc).	► Change location of appliance or the heat source.
	The appliance was not properly installed in the recess.	Make sure the appliance was installed correctly and the door closes properly.
The interior light	The appliance is not switched on.	➤ Switch on the appliance.
does not turn on.	The door was open for longer than 15 min.	► The interior light automatically switches itself off if the door remains open for approx. 15 min.
	The LED interior light is faulty or the cover is damaged:	WARNING Risk of injury from electrical shock. Live parts are under the cover.  ► The LED interior light should only be replaced or repaired by the Customer Service department or by engineers trained to do so.  WARNING Risk of injury from LED lamp! The lighting intensity of the LED light complies with laser class 1/1M.  If the cover is faulty:  ► Do not gaze directly at this lighting unit with optical lenses while very close to the light source. This can cause damage to your eyes.
The door seal is defective or should be replaced for other reasons.	The door seal is interchangeable. You can replace it without the use of any special tools.	► Contact the customer service department (see Maintenance):
The appliance is iced up or condensation is building.	The door seal may have slipped out of its groove.	► Check the door seal is well placed in the groove.

## Putting appliance out of service

# 8 Putting appliance out of service

## 8.1 Vacation Tips

Long vacations: If you will be away for a month or more

- ▶ Remove all food from the appliance.
- ► Turn OFF the appliance.
- ► Clean the appliance (see 6.2).
- ▶ Leave the door open to prevent unpleasant odors.
- > This will also keep mold from building up.

## 8.2 Switching the device off

- ▶ Press and hold the On/Off button Fig. 2 (1) until the display becomes dark. Release the button.
- ▷ If the appliance cannot be switched off, the Child Safety function is still activated (see 5.2).

## 8.3 Decommissioning

- ► Empty the appliance.
- Switch off the appliance (see Putting appliance out of service).
- ▶ Pull out the power plug.
- ► Clean the appliance (see 6.2).



▶ Leave the door open to prevent bad smells.

## 9 Disposing of the appliance

Follow the local regulations for the disposal of appliances. Old appliances can be dangerous. Contact the local refuse collection department for additional information.



#### **DANGER**

There is a risk of suffocation.

Children playing can shut themselves in and suffocate.

- ► Take the door(s) off.
- ▶ Remove the drawers.
- ▶ Leave the storage shelves in the appliance so that children cannot easily climb into the appliance.



#### WARNING

Danger of electric shock.

- ► Cut off the plug from the power cord and discard.
- ► Cut off the power cord from the discarded appliance. Dispose of separately from the appliance.

Ensure during and after disposal that the appliance isn't stored in the vicinity of gasoline or other flammable vapors and liquids.

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.

## 10 Liebherr Warranty Plan

**FULL TWO YEAR WARRANTY -** For two years from the date of original purchase, your Liebherr warranty covers all parts and labor to repair or replace any part of the product which proves to be defective in materials or workmanship.

**FULL FIVE YEAR WARRANTY -** For five years from the date of original purchase, your Liebherr warranty covers all parts and labor to repair or replace any components that prove to be defective in materials or workmanship in the sealed system. The "Sealed System" means only the compressor, condenser, evaporator, drier and all connecting tubing.

**LIMITED 6TH THROUGH 12TH YEAR WARRANTY** - From the 6<sup>th</sup> through 12<sup>th</sup> year from the date of original purchase, your Liebherr warranty covers all parts that prove to be defective in materials or workmanship in the Sealed System (parts only).

#### TERMS APPLICABLE TO EACH WARRANTY

All service provided by Liebherr under the warranty must be performed by authorized Liebherr service representatives, unless otherwise specified by Liebherr. Service will be provided in the home during normal business hours. This warranty applies only to products installed for normal residential use. Details regarding a non-residential warranty are available on request.

The warranty applies only to products installed in any one of the fifty states of the United States or the District of Columbia. The warranty does not cover any parts or labor to correct any defect caused by negligence, accident or improper use, maintenance, installation, service or repair, including but not limited to improper removal and reinstallation of the condensing unit.

THE WARRANTIES DESCRIBED ABOVE ARE MADE EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON THE PART OF LIEBHERR. IN NO EVENT SHALL LIEBHERR BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE BREACH OF THESE WARRANTIES OR ANY OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY.

Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights which very from state to state.

To receive parts and/or service and the name of the Liebherr authorized service representative nearest you,

contact your Liebherr dealer or distributor or contact the Liebherr designated national service provider:

in the US: Service-appliances.us@liebherr.com or call 1-866-LIEBHER (1-866-543-2437).

in Canada: www.euro-parts.ca or call 1-888-LIEBHER (1-888-543-2437).

## For Service in the U.S.:

## **Liebherr Service Center**

Toll Free: 1-866-LIEBHER or 1-866-543-2437

Service-appliances.us@liebherr.com PlusOne Solutions, Inc. 3501 Quadrangle Blvd, Suite 120 Orlando, FL 32817

## For Service in Canada:

#### **Liebherr Service Center**

Toll Free: 1-888-LIEBHER or 1-888-543-2437

www.euro-parts.ca EURO-PARTS CANADA 39822 Belgrave Road Belgrave, Ontario, N0G 1E0 Phone: (519) 357-3320

Fax: (519) 357-1326





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