

**7084 943-03**

**MRHsc 2852 / 2862**

**LIEBHERR**

## Contents of these operating instructions

These operating instructions contain the important information required to operate and control the appliance.

The operating instructions contain the following sections:

- Description of the appliance
- Commissioning
- Operation
- Shutting down the appliance
- Malfunctions / Troubleshooting
- Defrosting
- Cleaning
- Technical Data
- Storing the appliance after shutting down
- Disposal
- Declaration of conformity

Read the operating instructions in full and do not use the product until you have understood the operating instructions.

## Structure of the operating instructions

### Warnings

Warnings have the following structure:

 <b>SIGNAL WORD!</b>	<b>Source of the danger.</b> Consequences of non-compliance.
	▶ Action to take to prevent the danger.

### Priority of warnings

The warnings differ depending on the type of danger as follows:

 <b>DANGER!</b>	Identifies a situation involving direct danger which, if not obviated, may result in death or severe bodily injury.
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 <b>WARNING!</b>	Identifies a dangerous situation which, if not obviated, may result in death or severe bodily injury.
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 <b>CAUTION!</b>	Identifies a dangerous situation which, if not obviated, may result in minor or medium bodily injury.
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<b>NOTICE</b>	identifies a dangerous situation which, if not removed, may result in damage to property.
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	Identifies dangerous flammable substances.
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## Hints, notes and recommendations

- ① Provides the user with hints, notes or recommendations for using the product efficiently

### Other symbols

Instructions to take action require the user to complete an action or a procedure. Always complete the instructions individually and in the sequence shown.

Structure of the instructions:

- ➡ Instruction for an action.

Details of results if required.

### Other applicable documents

Also refer to the additional documents supplied (e.g. delivery documents) and relevant standards and laws to ensure that you use the appliance safely and correctly.

### Archiving

Keep the operating instructions, including the other documents supplied, at hand near the appliance.

### Intended Use

This appliance may be used for displaying food, including beverages, for retail sale. Commercial use means for example their use in restaurants, canteens, hospitals and in commercial establishments such as bakeries, butchers, supermarkets, etc.

Foreseeable misuse:

Do not use the appliance for the following applications:

- Storage and cooling of :
  - Chemically unstable, combustible or corrosive substances.
  - Medicines, blood plasma, laboratory preparations or similar substances and products based on Directive 2007/47/EC on medical devices.
- Use in hazardous areas.
- Use outdoors or in damp and splashing water areas.

Improper use of the appliance leads to damage or spoilage of the stored goods.

This professional refrigeration appliance is intended for the storage, the presentation and the sale of packed food and beverages. The appliance can be used for commercial display of beverages and packed food, it is designed for customer withdrawal of the cooled goods.

Do not store explosive substances in the device, such as aerosol containers with flammable propellant gas.

## Safety instructions

### Dangers for the user

- Keep the operating instructions at hand near the appliance.
- Pass the operating instructions on to any subsequent owner.
- To prevent injury and damage to property, the appliance should only be installed by two people.
- After unpacking it, check the appliance for signs of damage.
- Contact the supplier if it is damaged. Do not connect the appliance to the mains power supply.
- Avoid prolonged skin contact with cold surfaces (e.g. chilled. If necessary, take safety precautions (e.g. gloves).
- Do not use the appliance in potentially explosive atmospheres.
- Do not allow any naked flames or other ignition sources to enter the appliance.
- Do not use electric heaters or steam cleaners, naked flames or defrost sprays to defrost the appliance.
- Do not remove ice with sharp objects.
- **WARNING:** Do not damage the refrigerant circuit.
- If the cooling circuit is damaged, ventilate the room well and keep ignition sources away from the appliance.
- **WARNING:** The appliance contains flammable materials and should be handled, serviced and disposed properly.
- **WARNING:** Do not use mechanical devices or other means to accelerate the defrosting processes, other than those recommended by the manufacturer.



### Incorrect handling of flammable refrigerants

- Ensure that the refrigerant circuit pipes will not be damaged.
- Do not allow naked flames or ignition sources to enter the appliance.
- Do not use electrical devices inside the appliance .

If refrigerant escapes:

- Keep naked flames and ignition sources away from the leak area.
- Ventilate the room well.
- Notify the customer service department.

### Incorrect installation and repair work

- Only carry out repair and other work on the appliance when the mains plug has visibly been disconnected.
- All repairs and work on the appliance may only be carried out by customer service personnel or other trained personnel.

- **WARNING:** If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Only install, connect and dispose of the appliance as described in these operating instructions.

### Non-intended use

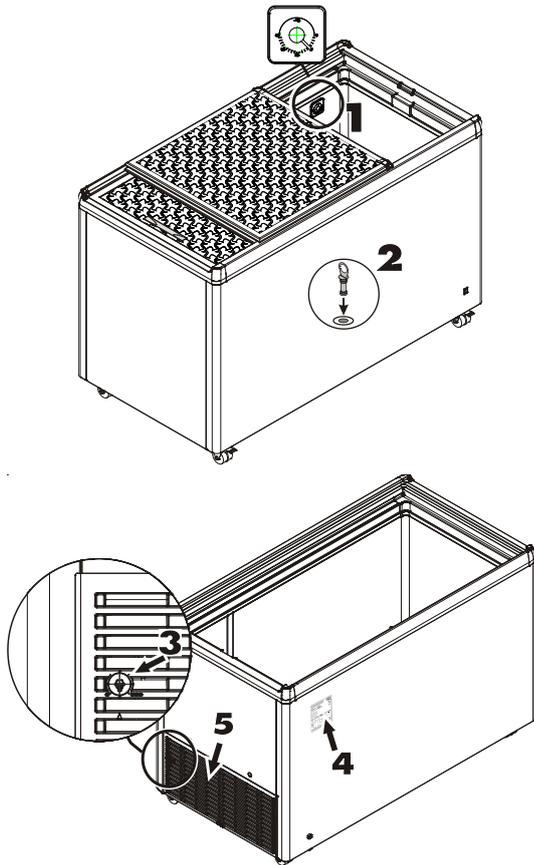
- **WARNING:** Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.
- When disconnecting the appliance from the mains, pull on the plug, not on the cable.
- In the event of a fault, pull out the plug or switch off the fuse.
- Ensure that product which has been stored for too long is not consumed. Dispose of product which has been stored for too long properly.
- **WARNING:** Do not store explosive substances such as aerosol cans with flammable propellant in this appliance.
- Check that spray cans do not contain flammable propellants before storing them in the appliance. Flammable propellants are listed in the contents or indicated by a flame symbol printed on the container.
- **WARNING:** Do not use electrical appliances inside the product storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
- If you have a lockable appliance, do not keep the key near the appliance or within reach of children.



### Incorrect storage of flammable substances

- Do not store explosive substances or spray cans with flammable propellants (propane, butane, pentane, etc.) in the appliance. There is a danger that any leaking gases may be ignited by electrical components.
- Check that spray cans do not contain flammable propellants before storing them in the appliance. Flammable propellants are listed in the contents or indicated by a flame symbol printed on the container.
- Alcoholic drinks or other vessels containing alcohol should be sealed tightly for storage.

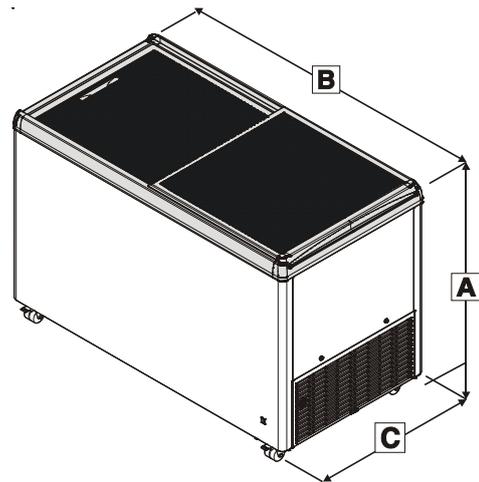
## Description of the appliance



1. Temperature display
2. Defrost water drain
3. Temperature control
4. Type/Data plate
5. Compressor compartment ventilation grille

## Appliance dimensions

Height (A) : 825 mm    Depth (B) : 1045 mm    Width (C) : 660 mm

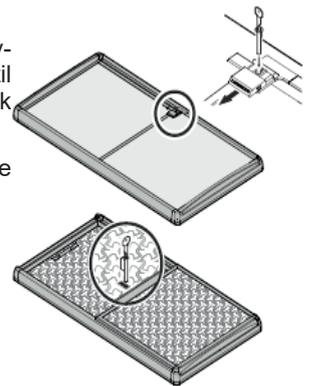


## Accessories

① A cylinder lock is available to protect the appliance from unauthorised access.

To install the cylinder lock:

- On versions with a lock hole cover: slide the lock hole cove until the opening for the cylinder lock is exposed.
- Insert the cylinder lock into the exposed opening.
- Turn the key.
- Remove the key.



Lock for solid lids

## Baskets

Baskets are available as accessories.



<b>NOTICE</b>	<b>Excessive load!</b> Damage to property.
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Model	Basket	Max load
MRHsc	210 mm	28 kg
	270 mm	31 kg

## Commissioning

### Unpacking

 <b>DANGER!</b>	<b>Packaging material and film.</b> Danger of asphyxiation.
	▶ Do not allow children to play with the packaging material.

- Please take packaging to an official collection point.
- Clean the interior of the appliance before switching it on for the first time, see "Cleaning".

### Installing the appliance

 <b>DANGER!</b>	<b>Unsuitable ratio of refrigerant to installation room volume.</b> Risk of explosion.
	▶ Ensure that the room which you install your appliance has a volume of 1 m <sup>3</sup> per 8 g of R600a/R290 refrigerant used in the appliance as set out in standard EN 378.

Requirements for the place of installation:

- Check that the volume of the installation room is large enough relative to the appliance's refrigerant capacity.
- ① The refrigerant capacity is shown on the type plate.
  - No direct sunlight.
  - No heat sources such as a stove or heater in the vicinity.
  - The floor is horizontal and flat.

- ① The ventilation clearance between the edge of the chest and the floor is used to supply the refrigeration unit with cooling air.

- Ensure that the ventilation clearance between the underside of the chest and floor is not blocked.

- Ensure the distance between the ventilation grille and wall is at least 50 mm.

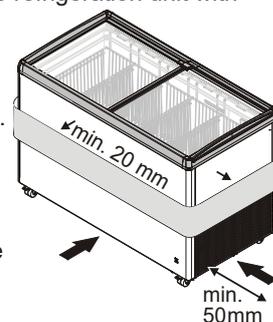
- Ensure that the area between the ventilation grille and wall is not obstructed.

- Ensure that the ventilation grille is clear of dirt and foreign bodies.

- ① The appliance dissipates air through its exterior skin.

- Do not place objects right next to the exterior skin of the appliance.

- Ensure that the distance between the exterior skin of the appliance and neighbouring items is at least 20 mm.

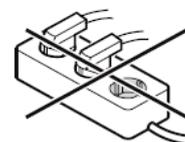


### Electrical connection

 <b>DANGER!</b>	<b>Incorrect voltage supply.</b> Damage to property or personal injury.
	▶ Ensure that the voltage supply complies with the specifications in the section entitled "Technical data".

- **Ensure that the socket is not covered by the appliance and is easily accessible.**

- Power supply (AC) and voltage at the operating point must comply with the details on the type plate. The type plate is located on the rear of the appliance.



- Only connect the appliance to a socket protected by a fuse which has been earthed in accordance with the appropriate regulations.

- The socket must be fused with a 10 A fuse or higher, it must be away from the rear of the appliance and must be easily accessible.

- Do not connect the appliance using extension cables or extension sockets.

**Connect the appliance with a properly earthed fused plug and socket only.**

## Switching the appliance on and off

It is recommended that you clean the appliance before switching it on for the first time (see "Cleaning").

### To switch the appliance on:

Connect the appliance to the mains - the appliance is switched on.

Set the required temperature, see "setting the temperature"

### To switch the appliance off:

Pull out the mains plug or remove

## Operation

<b>NOTICE</b>	<p><b>Incorrect room temperature.</b> Damage to property and reduced cooling capacity.</p>
	<p>▶ Ensure that the room temperature corresponds to the climate rating of the appliance, see "Technical data".</p>

## Maximum filling height

The stacking mark in the interior of the appliance indicates the maximum filling height.

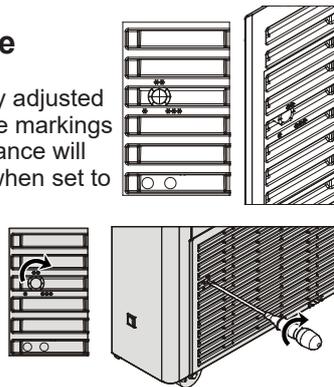
- ➔ Do not fill the appliance with product items beyond the stacking mark



## Setting the temperature

The temperature can be infinitely adjusted using the control knob. There are markings near the control knob. The appliance will achieve its lowest temperature when set to 3 (\*\*\*)

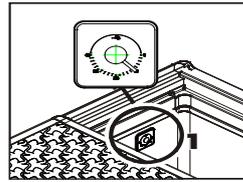
- ➔ To set the temperature, turn the control knob to required setting (\* to \*\*\*) using a flat-blade screwdriver.



## Temperature display

The thermometer shows the warmest product temperature.

It is adjusted and designed so that only temperatures between 0°C to 20°C are accurately displayed.



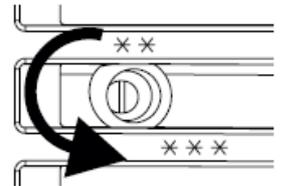
Internal type

## Shutting down the appliance

### Switching the appliance off

- ➔ Pull out the mains plug or turn the temperature control knob anticlockwise until it locks in the Off position.

- ⓘ If it is switched off using the temperature control knob, the appliance is not disconnected from the mains supply.

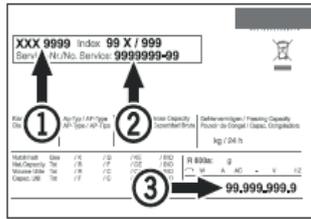


## Before shutting down the appliance for a length period

- ➔ Switch off the appliance.
- ➔ Pull out the plug or switch off the fuse.
- ➔ Clean the appliance.
- ➔ Ensure that the appliance is dry inside and outside.
- ⓘ **There must be no moisture in the interior container.**
- ⓘ If the chest lid is closed when the appliance remains shut down for a length period, odours will form inside it.
- ➔ Open the chest lid and secure it to prevent it being closed.
- ➔ Ensure that the ambient conditions for storage comply with the specifications in the section entitled "Storing the appliance after shutting down".

## Malfunctions/Troubleshooting

- ① Contact your nearest customer service department if the appliance suffers faults which you cannot rectify.
- ① To ensure that your query can be dealt with quickly, make a note of the type designation 1, service number 2 and serial number 3 on the type plate and quote them when you contact the customer service department. The position of the type plate is shown in the section entitled “Description of the appliance”.



Malfunction	Possible cause	Remedy
Appliance does not cool down.	The temperature control knob is in the Off position.	Set the temperature control knob to a cooling position.
	The mains plug has been disconnected.	Connect the appliance to the mains.
	The power supply has been interrupted.	Check the power supply. Check the fuses in the power supply.
The temperature is not low enough.	Incorrect temperature set.	Set the correct temperature.
	The thermometer display is incorrect.	Check the temperature with an additional thermometer.
	Ventilation is inadequate.	Ensure that there is adequate ventilation.
The appliance is located too close to a heat source.		Remove the heat source. Choose a suitable place of installation.

## Defrosting

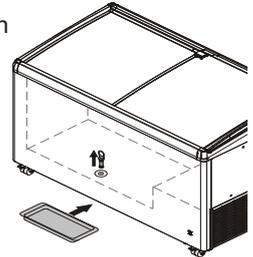
After a long period of operation, a layer of frost or ice can build up on the walls of the cooler compartment.

The layer of frost or ice will form more quickly if the appliance is opened frequently. A thick layer of ice increase energy consumption. You should therefore defrost the cooler regularly.

<b>! CAUTION!</b>	<b>High light intensity.</b> Eye injury.
	<ul style="list-style-type: none"> <li>▶ Do not use electric heaters or steam cleaners, naked flames or defrosting sprays.</li> <li>▶ Do not remove ice with sharp objects. (Risk of damage to the interior walls)</li> </ul>

## Defrosting

- ➡ Switch off the appliance.
- ➡ Pull out the plug or switch off the fuse.
- ➡ Wrap the products in paper or blankets and store in a cool place.
- ① Mop up defrost water with a sponge or cloth in appliances without a drain opening.
- ➡ Place a suitable vessel under the drain opening to collect defrost water.
- ➡ Remove the defrost water plug from the drain opening.
- ➡ Leave the lid open while defrosting.
- ➡ Mop up the remaining defrost water with a cloth after defrosting.
- ➡ Clean the appliance, see “Cleaning”.



## Cleaning

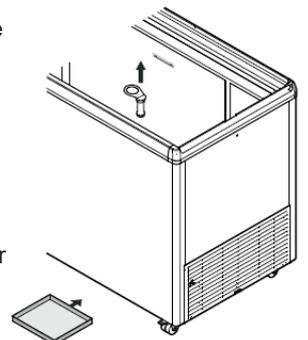
**! DANGER!** Risk of electric shock if an incorrect cleaning method is used.  
Danger of death.  
▶ Pull out the mains plug before starting the cleaning work.

**! CAUTION!** Hot steam. Injuries and damage to property.  
▶ Do not use steam/high-pressure cleaning equipment.

**NOTICE** Unsuitable cleaning products.  
Damage to the appliance.  
▶ Do not use concentrated cleaning products without diluting them.  
▶ Only use soft cloths and an all-purpose cleaner with neutral pH value.  
▶ Only use food-compatible cleaning and care products on the inside of the appliance.

- ① Clean the appliance every 6 months.

- ➡ Remove all the products items.
- ➡ Place a suitable vessel under the drain opening.
- ➡ Remove the defrost water plug from the drain opening.
- ➡ Ensure that no water flows into the ventilation grille or electrical components during cleaning.
- ➡ Clean the interior container, outer walls and equipment parts of the appliance using suitable cloths and a mixture of lukewarm water and all-purpose cleaner.



- ➡ Dry the appliance with a suitable cloth.
- ① **There must be no moisture in the interior container.**
- ① Dust deposits on the ventilation grille cause increased power consumption.
- ➡ Remove dust deposits from the ventilation grille.

## Technical data

### Voltage supply

- ① The precise values for the correct voltage supply are shown on the type plate.

Specification	Value
Type of current	Alternating current
Fuse trip current	Between 10 and 16 A

### Noise emissions from the appliance

The noise level while the appliance is operating is below 70 dB(A) (relative noise level 1 pW).

### Climate rating

The climate class [X] specifies the ambient conditions in which the appliance can be operated safely.



The climate class [Y] and temperature class [Z] define the maximum outline conditions in which the appliances will operate perfectly

[X] Climate rating	Max. room temperature	Max. relative humidity
3	25°C	60%
4	30°C	65%
7	35°C	75%
5	40°C	40%

The minimum room temperature at the place of installation is 10°C.

[Y] Climate class	Temperature [°C]	Relative humidity [%]
CC1	25.0	60
CC2	32.2	65
CC3	40.6	75

#### Temperature class

[Z] Temperature class	Temperature setting [°C]
K1	3.5
K2	2.5
K3	-1.0
K4	+5.0

## Storing the appliance after shutting down

NOTICE	Unsuitable room temperature during storage.
	Damage to property.
	▶ Ensure that the room temperature is between -10 °C and +50 °C.

- ➡ Ensure that the appliance is dry inside and outside.
- ① **There must be no moisture in the interior container.**
- ➡ Ensure that the room temperature is between -10 °C and +50 °C.

## Disposal

NOTICE	Escaping refrigerant and oil.
	Damage to the environment.
	▶ Ensure that the refrigerant circuit is not damaged during the disposal process.

- ① The appliance contains recyclable materials and flammable materials.
- ➡ Disconnect the appliance from the power supply.
- ➡ Cut through the mains power cable to render the appliance unusable.
- ➡ Do not simply dispose of the appliance properly with unsorted household refuse.
- ➡ Ensure that the appliance is disposed of in a professional and appropriate way, in accordance with the current local regulations and laws.

## Additional information

- Food will remain fresh for longer if stored at the correct temperature. This can prevent having to discard food needlessly.
- If the condenser coil is not cleaned every year, it will significantly reduce the appliance's efficiency.
- The period during which spare parts, necessary for the repair of the refrigerating appliance with a direct sales function, are available is 10 years.
- The minimum duration of the guarantee of the refrigerating appliance with a direct sales function offered by the manufacturer, importer or authorised representative is 2 years.
- EPREL database:  
As from 1 March 2021, information about energy labelling and ecodesign requirements will be available in the European product database (EPREL). You can access the product database using the following link: <https://eprel.ec.europa.eu/>. You will be asked to enter the model identifier. You will find the model identifier on the type plate.

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