

124L - 176L - 270L



700121 - 700122 - 700123

Bartscher GmbH
Franz-Kleine-Str. 28
D-33154 Salzkotten
Germany

Phone: +49 5258 971-0

Fax: +49 5258 971-120

Technical Support Hotline: +49 5258 971-197

www.bartscher.com



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Original instruction manual

1	Safety	2
1.1	Explanation of Signal Words	2
1.2	Safety instructions	3
1.3	Intended Use	7
1.4	Unintended Use	7
2	General information	8
2.1	Liability and Warranty	8
2.2	Copyright Protection	8
2.3	Declaration of Conformity	8
3	Transport, Packaging and Storage	9
3.1	Delivery Check	9
3.2	Packaging	9
3.3	Storage	9
4	Technical Data	10
4.1	Technical Specifications	10
4.2	Functions of the Appliance	16
5	Installation and operation	17
5.1	Installation	17
5.2	Operation	19
6	Cleaning and Maintenance	22
6.1	Safety Instructions for Cleaning	23
6.2	Cleaning	23
7	Possible Malfunctions	24
8	Disposal	26



Read these instruction manual before using the appliance and keep it available at all times!

This instruction manual contains information about installation, operation and maintenance of the appliance and constitutes an important source of information and reference guide. The knowledge of all operational and safety instructions included in this manual is a prerequisite for safe and proper handling of the appliance.

Read this instruction manual before you use the appliance and particularly before you start the appliance to prevent injury or damage. Incorrect use may cause damage.

All important information contained in the operating instructions must be available to the appropriate staff at all time. The operator shall be responsible for their availability.

In addition to the operating instructions, you must comply with the general, legal and other applicable regulations for occupational safety and environmental protection.

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1 Safety

This appliance has been manufactured in accordance with technical standards currently in force. However, the appliance may be a source of hazards if used improperly or contrary to its intended purpose. All persons using the appliance must consider information included in this instruction manual and observe safety instructions.

1.1 Explanation of Signal Words

Important safety instructions and warning information are indicated in this instruction manual with appropriate signal words. You must strictly follow the instructions, to prevent accidents, personal injuries and property damages.



DANGER!

The signal word **DANGER** warns against hazards that lead to severe injuries or death if the hazards are not avoided.



WARNING!

The signal word **WARNING** warns against hazards that may lead to moderate or severe injuries or death if the hazards are not avoided.



CAUTION!

The signal word **CAUTION** warns against hazards that may lead to light or moderate injuries if the hazards are not avoided.

IMPORTANT!

The signal word **IMPORTANT** indicates possible property damages, which may occur if safety instructions are not observed.

NOTE!

The symbol **NOTE** indicates subsequent information and guidelines for the user on usage of the appliance.

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1.2 Safety instructions

Electrical Current

- Too high a mains voltage or incorrect installation may cause electric shock.
- The appliance may be connected only if data on the rating plate correspond with the mains voltage.
- To avoid short-circuit, the appliance should be kept dry.
- Ensure that no liquids come into contact with the device's connectors or the mains plug. Moisture can lead to electrical hazards or damage to the device.
- Always disconnect the device from the mains supply before carrying out any installation or dismantling work, cleaning, maintenance, or if the device is not going to be used for an extended period. To do this, pull the mains plug fully out of the socket.
- If there are malfunctions during operation, disconnect the appliance from the power supply.
- Do not touch the appliance's plug with wet hands.
- Never take hold of the appliance if it has fallen into water. Immediately disconnect the appliance from the power supply.

- Any repairs or housing opening may be carried out by professionals and relevant workshops only.
- Do not transport the appliance, holding it by the power cord.
- Do not allow the power cord to come into contact with heat sources or sharp edges.
- Do not bend, pinch nor knot the power cord.
- Always completely unwind the power cord.
- Never place the appliance or other objects on the power cord.
- Always take hold of the plug to disconnect the appliance from the power supply.
- Check the power cord regularly for damage. Do not use the appliance if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.

Fire hazard / flammable materials hazard / explosion hazard!

- Do not use any electric devices in the appliance.
- Do not store nor use petrol or other flammable liquids and gases in the vicinity of this or any other appliance. Those gases may cause fire or explosion hazard.
- Do not put into the appliance any explosive materials, like sprays filled with flammable propellants. Contents of containers filled with flammable gases and liquids may leak in low temperatures, and the contents may catch fire from sparks generated by an electric appliance. Explosion hazard!
- In the case of coolant leakage, pull the plug from the socket. Remove all sources of ignition in the vicinity, ventilate room and contact technical service. Avoid coolant getting in contact with eyes, as it may cause serious eye damage.
- Never use any flammable liquids for cleaning the appliance or its parts. Gases released may cause fire or explosion hazard.
- In the case of fire, disconnect the appliance from the power supply before attempting adequate fire-extinguishing actions.
- Never attempt to extinguish fire with water if the appliance is connected to the power supply. Following extinction of fire, ensure sufficient fresh air inflow.
- Defrosting process may not be sped up with mechanical means or heat energy sources (candles or heaters) nor with any other means. Vapour produced may cause short-circuit and too high temperatures may damage the appliance.
- All ventilation slots should not be obstructed during operation.
- Never attempt to damage cooling installation of the appliance.

Operator's responsibility

The operator is responsible for complying with the currently applicable laws, regulations, ordinances and existing national regulations on accident prevention,

Safety

environmental protection, as well as the internal operation, operating and safety instructions that apply at the respective installation site.

Obligations of the operator:

- Operate the appliance and its components only in a technical condition that does not raise any objections, with functional protective and safety elements.
- Prepare risk assessment at work positions.
- Provide instruction and regular staff training. Pay special attention to and observe the section concerning safety and any safety hints.
- Provide suitable personal protective equipment (PPE)
- Observe the intervals of maintenance and cleaning.
- Document training/instructions, replacement of components.

Operating Personnel

- The appliance may only be operated by qualified personnel and trained specialist personnel.
- This appliance may not be operated by persons (including children) with limited physical, sensory or mental capabilities, nor by persons with limited experience and/or limited knowledge.
- Children should be supervised to ensure that they are not playing with or switching on the appliance.

Improper Use

- Unintended or prohibited use may cause damage to the appliance.
- The appliance may only be used when its technical condition is flawless and allows for safe operation.
- The appliance may only be used when all connections are executed according to rules of law in force.
- The appliance may only be used when it is clean.
- Use only original spare parts. Never attempt to repair the appliance on your own.
- Do not introduce any changes in the appliance nor modify it.

- Do not drill hole in the appliance nor install any objects on it.
- Do not place any heavy objects on the appliance.

1.3 Intended Use

This appliance is only intended for use described in the operating instructions, with the supplied and approved components.

Any other use is considered against the intended purpose. The manufacturer shall not be liable for any damage due to unintended use. In such cases the responsible party shall only be the user/operator.

The following is an intended purpose:

- Cooling of bottled and canned beverages.

The appliance is intended for operation in maximum ambient temperature of 25°C and relative humidity of 60%.

1.4 Unintended Use

An unintended use may lead to personal injuries or property damages caused by hazardous voltage, fire or high temperature. The appliance may only be used to perform tasks described in this instruction manual.

The following is an unintended use:

- Storing flammable or explosive objects or liquids, such as ether, petroleum or adhesives.
- Storing explosive materials, like sprays filled with flammable propellants.
- Storing pharmaceutical products or preserved blood.

2 General information

2.1 Liability and Warranty

The appliance was built in accordance with the current state of the art and recognized technical safety principles. Nevertheless, during its use, there may be a threat to the health and life of the user or bystanders, or the danger of damage to the device or other assets. Warranty and liability claims for personal injury/property damage as well as defects at work are excluded if they can be attributed to one or more of the following causes:

- Use against the intended purpose
- Failure to follow/disregard the instructions and all related information
- Unauthorized structural or technical changes to the device
- Engaging insufficiently trained and insufficiently qualified personnel
- Operation with defective or incorrectly installed safety and protective devices
- Inadequate maintenance or cleaning
- Faults not fixed
- Use of prohibited media, cleaning agents, etc.
- Use of unauthorised spare parts
- Errors in operation or other misuse
- Disasters caused by foreign objects or force majeure
- Destruction of the type plate and stickers relevant for operation and safety

The warranty period for this appliance is 24 months, counted from the purchase date.

2.2 Copyright Protection

This instruction manual, and texts, drawings and images included in it, as well as its other components are copyright protected. It is prohibited to reproduce this instruction manual (including its excerpts), in any form and by any means, and to use and/or transfer its content to third parties without manufacturer's written permission. Violation of the above results in obligation to pay compensation. We reserve the right to claim further damages.

2.3 Declaration of Conformity

The appliance meets the currently applicable standards and guidelines of the European Union. We confirm the above in the EC Declaration of Conformity. We may provide relevant Declaration of Conformity upon request.

3 Transport, Packaging and Storage

3.1 Delivery Check

Immediately upon reception, check the delivery for completeness and possible shipping damage. In the case of visible transport damage refuse to accept the appliance or accept it conditionally. Mark and note the scope of damage in shipping documents/consignment list of the shipping company and lodge a complaint. Concealed damage must be reported immediately upon its discovery, as compensation claims may only be filed within applicable time limits.

If you find that parts or accessories missing, please contact our Customer Service Department.

3.2 Packaging

Do not dispose of the appliance cardboard box. It may be used to store the appliance when relocating or when shipping the appliance to our service point in the case of any damages.

The packaging and its elements are made of recyclable materials. Particularly, these are: plastic films and bags, cardboard box.

When disposing of the packaging, observe applicable domestic regulations. Recyclable packaging materials should be recycled.

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3.3 Storage

Leave the packaging closed until installation of the appliance; observe external indications concerning method of placing and storage. Store the packaging in the following conditions only:

- in closed rooms;
- in dry and dust-free surrounding;
- away from aggressive agents;
- in a location protected against sunlight;
- in a location protected against mechanical shocks.

In the case of extended storage (over three months), make sure you check the condition of the packaging and the parts regularly. If needed, replace the packaging with a new one.

4 Technical Data

4.1 Technical Specifications

Version / characteristics Bar refrigerators

- Front pane: with trim / framed
- Type of glass: double glazing
- Safety glass: yes
- Temperature control: electronic, in 1°C steps
- Thermostat: yes
- Insulation: cyklopentane, 45 mm per side
- Automatic defrosting function: yes
- Evaporation of condensed water: yes
- Type of shelves: grille, chrome-plated
- Height-adjustable shelves: yes
- Lockable: yes
- Interior lighting: yes
- Digital display: yes
- Control: electronic
- ON/OFF switch: yes
- Height-adjustable feet: yes
- Indicator lights:
 - ON/OFF
 - ready
 - temperature
 - compressor
 - defrosting

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More information on the appliance is available in our website www.bartscher.com or, pursuant to the Regulation (EU) 2019/2018, in our product data base at <https://energy-label.ec.europa.eu/>. Enter article number for a given model.

Technical Data

Technical specifications 700121

Name:	Bar refrigerator 124L
Art. No.:	700121
Material:	Steel
Inner material:	Aluminium
Capacity in l:	112
Useful content:	112
Temperature range, min.–max., in °C:	0 - 7
Coolant / amount in kg:	R600a / 0,040
Climate class:	CC1
GWP index:	3
Energy efficiency class:	D (EU Nr. 2019 / 2018)
Energy consumption, in kWh/year:	467
Number of shelves:	2
Dimensions of shelves (W x D) in mm :	485 x 318
Load-bearing capacity of each shelf in kg:	17
Power supply:	0,135 kW 220-240 V 50 Hz
Dimensions (W x D x H) in mm:	600 x 525 x 850
Weight in kg:	44,0

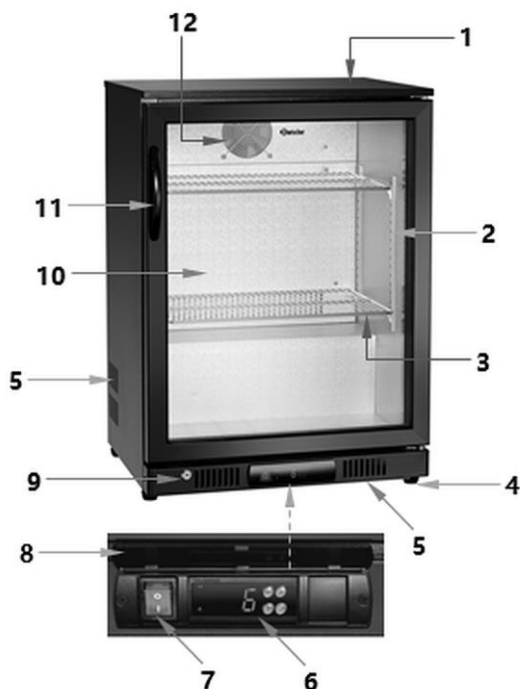
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We reserve the right to implement technical modifications!

Version Bar refrigerator 700121

- Cooling: static / with additional fan
- Door type: leaf door, glass
- Right-hand side door, with no possibility for door hinge to be changed

List of components 700121



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Abb. 1

- | | |
|-----------------------|--------------------------------|
| 1. Housing | 2. Bearing rails (4 pcs) |
| 3. Shelves (2 pcs) | 4. Feet (4 pcs) |
| 5. Ventilation slots | 6. Digital temperature control |
| 7. ON/OFF switch | 8. Cover control panel |
| 9. Lock | 10. Glass door |
| 11. Glass door handle | 12. Fan |

Technical Data

Technical specifications 700122

Name:	Bar refrigerator 176L
Art. No.:	700122
Material:	Steel
Inner material:	Aluminium
Capacity in l:	175
Useful content:	175
Temperature range, min.–max., in °C:	1 - 9
Coolant / amount in kg:	R600a / 0,050
Climate class:	CC1
GWP index:	3
Energy efficiency class:	D (EU Nr. 2019 / 2018)
Energy consumption, in kWh/year:	420
Number of shelves:	4
Dimensions of shelves (W x D) in mm:	375 x 345
Load-bearing capacity of each shelf in kg:	17
Power supply:	0,160 kW 220-240 V 50 Hz
Dimensions (W x D x H) in mm:	900 x 525 x 850
Weight in kg:	55,0

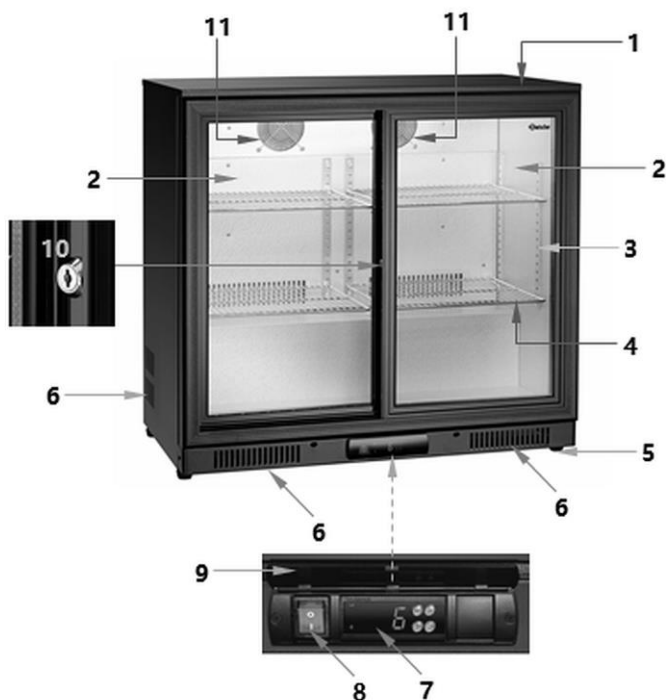
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We reserve the right to implement technical modifications!

Version Bar refrigerator 700122

- Cooling: static / with 2 fans
- Door type: slide door, glass

List of components 700122



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Abb. 2

- | | |
|--------------------------------|------------------------------|
| 1. Housing | 2. Slide door, glass (2 pcs) |
| 3. Bearing rails (8 pcs) | 4. Shelves (4 pcs) |
| 5. Feet (4 pcs) | 6. Ventilation slots |
| 7. Digital temperature control | 8. ON/OFF switch |
| 9. Cover control panel | 10. Lock |
| 11. Fan (2 pcs) | |

Technical Data

Technical specifications 700123

Name:	Bar refrigerator 270L
Art. No.:	700123
Material:	Steel
Inner material:	Aluminium
Capacity in l:	280
Useful content:	280
Temperature range, min.–max., in °C:	1 - 9
Coolant / amount in kg:	R600a / 0,080
Climate class:	CC1
GWP index:	3
Energy efficiency class:	D (EU Nr. 2019 / 2018)
Energy consumption, in kWh/year:	500
Number of shelves:	6
Dimensions of shelves left and right middle, (W x D) in mm:	375 x 345 418 x 345
Load-bearing capacity of each shelf in kg:	17
Power supply:	0,215 kW 230 V 50 Hz
Dimensions (W x D x H) in mm:	1335 x 525 x 850
Weight in kg:	76,0

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We reserve the right to implement technical modifications!

Version Bar refrigerator 700123

- Cooling: static / with 3 fans
- Door type: slide door, glass

List of components 700123

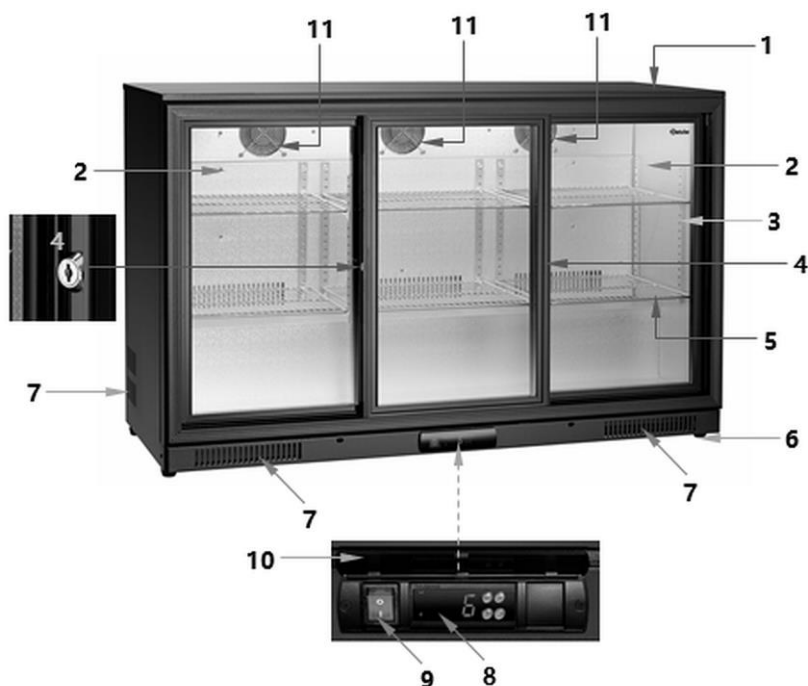


Abb. 3

- | | |
|---------------------------|--------------------------------|
| 1. Housing | 2. Slide door, glass (3 pcs) |
| 3. Bearing rails (12 pcs) | 4. Lock (2 pcs) |
| 5. Shelves (6 pcs) | 6. Feet (4 pcs) |
| 7. Ventilation slots | 8. Digital temperature control |
| 9. ON/OFF switch | 10. Cover control panel |
| 11. Fan (3 pcs) | |

4.2 Functions of the Appliance

The appliance was designed to cool bottled and canned beverages and to keep them in low temperature.

5 Installation and operation

5.1 Installation

Unpacking / Positioning

- Unpack the appliance, remove all external and internal packaging elements and shipment safeguards.



CAUTION!

Choking hazard!

Prevent children from accessing packaging materials, for instance: plastic bags and EPS elements.

- If the appliance is covered with a protective film, remove it. Remove the film slowly, so no glue residues are left. Remove any glue residues with the use of a suitable solvent.
- Be careful not to damage the rating plate and warning labels affixed to the appliance.
- **Never** place the appliance in humid or wet environment.
- Place the appliance in a way making the connections easily accessible, so that they may be quickly disconnected if such a need arises.
- When selecting the installation site, please consider the following items:
 - The mounting surface must be even, sufficiently load-bearing, waterproof, dry and resistant to high temperatures.
 - Make sure that the designated escape routes are clear.
 - Ensure a stable position.
 - Allow sufficient space for work, maintenance and cleaning.
 - Leave the supply and exhaust air vents, if any, free.
 - Comply with applicable technical and building regulations.
- Do not place the appliance in direct sunlight or in the vicinity of heat sources (cooker, radiator, heating devices, etc.). Heat sources may negatively affect power consumption, and restrict functions of the appliance, too.
- Place the appliance so that sufficient air circulation is ensured.
- In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.
- If the appliance is to be relocated, follow the instructions below:
 - switch the appliance off;
 - disconnect the plug from the socket;

- take out contents of the appliance;
- tape firmly all loose elements in the internal chamber and tape the door;
- the appliance may only be transported in vertical position.

Power supply connection

- Verify if technical data of the appliance (see rating plate) correspond with the local electric power grid specification.
- Connect the appliance to a single, properly grounded mains socket with protective contact. Do not connect the appliance to a multi-socket.
- The power cord should be laid in a way preventing anyone from threading on it or tripping against it.
- Prior to first use, the appliance should be installed and left standing upright for at least 2 hours, before it is connected to power supply.
- After a power failure or when the plug is removed from the socket, do not reconnect the appliance to power supply for at least 5 minutes.

5.2 Operation

User instructions

- Shelves may be positioned at various heights. Arrange them adequately to the size of beverage containers, so that the inner space of the appliance is used optimally.
- Place beverage containers on shelves so that distances between them allow for sufficient air circulation inside the appliance. Insufficient distances hinder the cooling effect.
- During operation, the time of door opening should be as short as possible, so that loss of cool air is minimised.
- If possible, in the event of a sudden power failure, avoid opening doors in order to avoid loss of cool air.

Preparation of the appliance

1. Prior to first operation, clean the appliance and its equipment according to instructions in section 6 **“Cleaning”**.
2. Finally, dry the appliance and accessories thoroughly.
3. Place bearing rails bracket at a desired height and install shelves.
4. Close the appliance door.
5. Connect the appliance to a single grounded socket.
6. Switch the appliance on with the ON/OFF switch.

The red indicator light integrated with the ON/OFF switch will come on.

Actual temperature inside the appliance is shown on digital display and **C** message is displayed, and is lit throughout the entire cooling cycle.

The appliance will be cooled down to the factory preset temperature.

7. Suitable beverages may be placed in the appliance only when correct air temperature is reached.
8. If you require to change the temperature, enter it with the use of digital temperature control buttons.

Digital temperature control / button functions



Button	Function
Set	Introducing parameter settings
	Switching between menu and parameters
	Customizing menu and parameters
	Switching lighting ON/OFF
	Customizing menu and parameters
	Resetting parameters through pressing and keeping the button pressed for 10 seconds
	Completing parameter settings
	Completing One Key restore mode
	Starting defrosting

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Message Description

Message	Icon	Status	Meaning
Setting	set	ON	Setting parameters of temperature measurement and control
		OFF	
Control	out	ON	Operating
		OFF	Switched off
		FLASH	Delay process
Heating-up mode	H	ON	Heating-up in progress
Cooling mode	C	ON	Cooling process in progress
Defrosting	def	ON	Defrosting process in progress

Operation parameters setting

1. To change temperature value, keep the Set button pressed for 3 seconds, in order to call up parameter setting mode.

The digital display shows **set**.

2. When this message is shown, press the Set button, in order to show current temperature value inside the appliance.

The temperature may be set with 1 °C increments.

3. Press the  or the  button until the desired temperature is displayed.
4. Press the Set button again, in order to save the setting and complete parameter setting.

If no button is pressed within the next 30 seconds, the digital display will show current temperature inside the appliance.

NOTE!

If additional parameter settings are to be introduced, contact technical service.

Lighting

The appliance is equipped with LED lighting. It is located inside the appliance, in its top section.

1. Press the  button, to switch on the LED lighting.
2. Press the  button again, to switch off the LED lighting.

Automatic defrosting

Automatic defrosting is a factory default setting, and it is carried out every 4 hours.

During defrosting, the **def** message is shown. This message goes off, when the defrosting cycle is completed and blinks, when defrosting is delayed.

Manual defrosting

If defrosting should take place at other times of day than the set ones, there is a possibility of introducing manual change.

1. Press the  button. Defrosting cycle is commenced immediately and the **def** message is displayed. When defrosting cycle is completed, subsequent defrosting cycle is commenced after 4 hours.

Disconnecting the appliance

1. If the appliance is not to be used any more or if it is going to be cleaned, ON/OFF switch should be set to 'O' position to switch the appliance off.
2. Disconnect the appliance from power supply (pull the plug out).

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6 Cleaning and Maintenance

The operator must ensure that the device and its safety components are kept in good condition. Control and safety systems should be checked for their effectiveness.

Maintenance, cleaning and repairs must only be carried out by suitably trained and specialised personnel.

If the safety devices need to be removed for maintenance, cleaning and repair, they should be reinstalled immediately after completion and their function should be checked.

All maintenance and cleaning work must be carried out in accordance with the operating instructions at the specified intervals.

6.1 Safety Instructions for Cleaning

- Before cleaning, disconnect the appliance from the power supply.
- Leave the appliance to cool down completely.
- Make sure water does not enter the appliance. Do not immerse the appliance in water or other liquids during cleaning. Do not clean the appliance with a pressurized water jet.
- Do not use any sharp or pointed, nor metal implements (knife, fork, etc.). Sharp or pointed implements may damage the appliance, and when in contact with live parts, they may cause electric shock.
- For cleaning, do not use any scouring agents that contain solvents nor corrosive cleaning agents. They may damage the surface.

6.2 Cleaning

1. At the end of a working day clean the appliance thoroughly.
2. Remove all beverages from the appliance.
3. Remove all shelves from the appliance.
4. Clean the shelves with warm water and soft cloth or sponge. Use mild cleaning agent when required.
5. Rinse shelves with clean water and dry thoroughly with soft cloth.

Note: Never use hot water to clean the appliance.

6. Clean the appliance inside with warm water and soft, moistened cloth. Use mild cleaning agent when required.
7. Wipe the cleaned surfaces with a cloth moistened in clean water.
8. Wipe the appliance housing and glass door and frames with a soft, moistened cloth.
9. Finally, dry thoroughly all cleaned surfaces.
10. Leave the door open for the appliance to dry completely.

Maintenance

We recommend you to have the appliance serviced at least once a year; if needed, we recommend entering into a service agreement.

7 Possible Malfunctions

The table below contains descriptions of possible causes and solutions to malfunctions or errors during operation of the appliance. The works may only be performed by suitably qualified technical personnel.

When malfunction cannot be removed, contact the technical service. In such a case, provide article number, model and serial number. You will find this information on the rating plate.

Malfunction	Possible reason	Solution
No cooling.	The plug is not properly connected to the socket.	Remove the plug and insert it properly in the socket.
	Power supply safety fuse damaged.	Check the fuse, connect the appliance to another socket.
	No power supply.	Check the electric power supply.

Possible Malfunctions

Malfunction	Possible reason	Solution
Insufficient cooling efficiency.	Appliance subject to direct sunlight or a heat source located in the vicinity.	Move the appliance away from heat sources.
	Poor air circulation around the appliance.	Keep sufficient distance from walls or other objects.
	Too little clearance between objects inside the appliance or too many objects in the appliance.	Provide for sufficient clearance between objects inside the appliance; remove the excess of objects.
The compressor does not switch off automatically.	Overfilled appliance.	Remove the excess of objects.
The appliance operates loudly.	The appliance is not placed on even surface.	Place the appliance on even surface.
	The appliance touches walls or other objects.	Keep sufficient distance from walls or other objects.

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The following phenomena are not malfunctions:

1. During normal operation, a sound of water flowing is heard. This is a sound of coolant flowing through the installation.
2. Water vapour condensation on glass door in high air humidity conditions is a normal occurrence. Wipe the water vapour out with a soft, dry cloth.

8 Disposal

Electrical Appliance



Electric appliances are marked with this symbol. Electrical appliances must be disposed of and recycled in a correct and environmentally friendly manner. You must not dispose of electric appliances with household waste. Disconnect the appliance from the power supply and remove power cord from the appliance.

Electrical appliances should be returned to designated collection points.

Coolant

The propellant used in the appliance is flammable. It should be utilised pursuant to national regulations in force.