

100L



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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.

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.
- 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, 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

- This appliance is not intended to be used 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 the appliance on.

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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 cakes, layer cakes, cold snacks.

The appliance is intended for operation in maximum ambient temperature of 32°C and relative humidity of 75%.

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.

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The following is an unintended use:

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

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.

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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.

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

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

Name:	Cake display show-case 100L
Art. No.:	700213G
Material:	stainless steel plastic glass
Volume, in l:	100
Number of shelves:	4
Diameter intermediate shelves in mm:	390
Temperature range, min.– max., in °C:	2 - 8
Coolant/amount, in kg:	R600a / 0,050
Climate class:	6
EEl:	24,6
Energy efficiency class:	C (EU Nr. 2019 / 2018)
Energy consumption, in kWh / 24 h:	3,771
Energy consumption, in kWh / year:	1.376
Max. air humidity, in %:	75
Connected load:	0,23 kW 230 V 50 Hz
Dimensions (W x D x H), in mm:	495 x 495 x 1.065
Weight, in kg:	50,8

We reserve the right to implement technical modifications.

Version / Characteristics

- Type of cooling device: Cake display show-case
- Design: Semi-Vertical
- Colour: silver, black
- Temperature control: digital
- Control: electronic
- Cooling: circulating air

- Evaporation of condensation water: yes
- Automatic defrosting function: yes
- Lighting: LED, may be switched-on separately
- Digital display: yes
- ON/OFF switch: no
- Indicator light: yes
- Door type: leaf door, arched
- Door location: front
- Door hinge: right-hand side
- Door hinge side can be changed: no
- Internal usable height: variable
- Type of shelves:
 - glass pane
 - revolving, removable
 - adjustable height
- Type of glazing:
 - double glazing
 - all-round glazing
 - safety glass
- Front glass: rounded
- Height-adjustable feet: no

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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.

4.2 Functions of the Appliance

The refrigerated cake display show-case is designed for cooling and presenting cakes, layered cakes and cold snacks.

4.3 List of Components of the Appliance

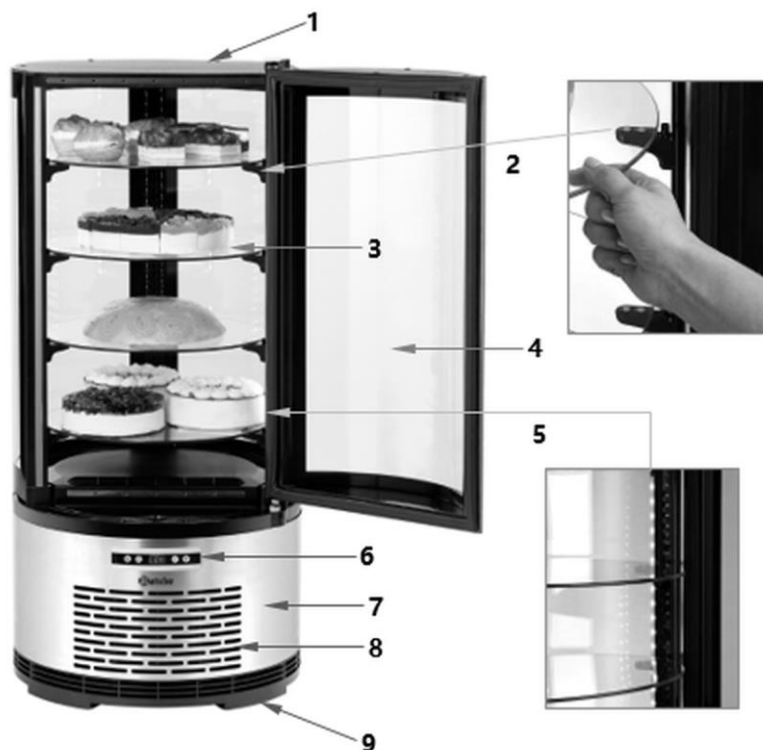


Fig. 1

- | | |
|-------------------------------|---|
| 1. Housing | 2. Bracket with support for glass shelf |
| 3. Glass swivel shelf (4 pcs) | 4. Glass door |
| 5. LED lighting strip (2 pcs) | 6. Control panel |
| 7. Base | 8. Ventilation openings |
| 9. Feet (4 pcs) | |

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.
- Maintain sufficient clearance from table edges. The appliance might turn over and fall down.

Installation and operation

- In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.
- 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.
- Do not block nor cover the ventilation openings nor air inlet or air outlet of the appliance.
- Place the appliance so that sufficient air circulation is ensured. Do not block nor cover ventilation openings in the rear wall of the appliance.
- Leave at least 10 cm clearance from walls and other objects.

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 Guidance

- Shelves may be positioned at various heights. Arrange them adequately to cakes, layered cakes and snacks to be stored, so that the inner space of the appliance is used optimally.
- Food products should be placed on suitable shelves so that proper clearances between them allow for sufficient air circulation inside the appliance. Insufficient clearance hinders the cooling effect.
- Do not place warm food products in the appliance; cool them down to ambient temperature first.
- To limit loss of cold air minimize the opening time of door during operation.
- If possible, in the event of a sudden power failure, avoid opening the doors of the appliance in order to avoid loss of cool air.

Appliance Preparation

1. Before use and before starting it up clean the appliance observing indications in section 6 “**Cleaning**”.
2. Then dry the appliance thoroughly.
3. Fit supports for glass shelves at the selected heights. Place glass shelves on supports. Observe indications in section “**Glass Shelves**”.
4. Close the appliance glass door.
5. Plug the appliance into a suitable single socket.

The digital display shows the set temperature value, and the LED cooling indicator comes on.

6. Before placing cakes, layered cakes and cold snacks, the appliance should reach the pre-set temperature.

Glass Shelves

1. Set 3 supports (in side posts and in the rear housing post) for each glass shelf at the selected heights:
 - supports with 1 washer at the rear,
 - supports with 2 washers at the right- and left-hand at the front of the refrigerated display show-case.

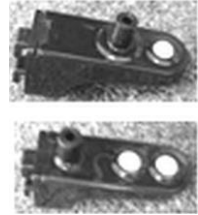


Fig. 2



Fig. 3

The cake display show-case is equipped with 4 glass shelves that can be:

- placed at different heights,
- rotated,
- removed.

Changing the height at which the glass shelves are mounted enables storing cakes and layered cakes of different height in the appliance.

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Glass shelves **may be rotated** by moving them left or right along the pads on supports, which makes it easy to put in or take out cakes, layer cakes, snacks, etc., which enables better display of food products.

Glass shelves are **removable**, making it easy to change the height and clean glass shelves, as well as clean the inside of the cake display show-case.

Control elements / indicator lights

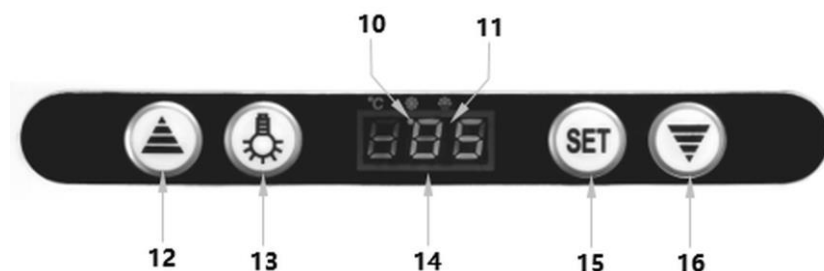


Fig. 4

- 10. LED cooling indicator light
- 11. LED defrosting indicator light
- 12. Temperature increase key
- 13. LED lighting key
- 14. Digital display
- 15. SET function button
- 16. Temperature decrease key

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LED Indicator Lights



LED cooling indicator light

This indicator light **lights up** when the compressor is on; it **goes out** when the set internal temperature is reached; and it **flashes** during the delay.



LED defrosting indicator light

This indicator light **is lit** over defrosting process; it **goes out** when the defrosting process is complete; and it **flashes** during defrosting delay.

Temperature Setting

The temperature of the appliance may be set within the range of 2–8°C.

1. The set temperature may be changed the following way:
 - press the  key briefly; immediately afterwards the value displayed on the digital display starts flashing;
 - use  or  keys to increase or decrease temperature value;
 - use  key to confirm the set temperature value.
2. If no key is pressed within the subsequent 10 seconds, the digital display will show current temperature inside the appliance.

Switching Lighting ON/OFF

The appliance is equipped with 2 lighting strips. These are located along the side rails of the door opening.

1. If needed, press the  key briefly to switch the LED lighting on.
2. Press the  key again, to switch the lighting off.

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Automatic Defrosting

Automatic defrosting is configured automatically and is executed 4 times per 24 hours.

Manual Defrosting

If cooling efficiency drops (e.g., after a longer period of door opening) or if defrosting needs to be executed following another schedule than the factory default one, there is a possibility of manual setting of the defrosting function.

1. Press the  key and hold it pressed for 6 seconds, to initiate instant defrosting.

The  LED indicator light lights up.

When the defrosting process is complete, the  LED defrosting indicator goes out and the next defrosting process takes place after 6 hours.

Cooling Cakes, Layer Cakes, Snacks

ATTENTION!

Do not place warm dishes in the refrigerated display show-case. Cool them down to ambient temperature first.

Circulating air cooling by means of a fan ensures even temperature on all levels of the refrigerated cake display show-case.

When the set temperature inside the refrigerated cake display show-case is reached, the LED cooling indicator goes out.

The appliance is now ready to place cakes, layered cakes, snacks, etc. inside.

1. Open the glass pane door.
2. Place cakes, layered cakes, snacks on glass shelves.
3. To reduce the loss of cool air during cooling, open the door only briefly.
4. Remove cakes, layered cakes, snacks from the refrigerated cake display show-case as required, then close the glass pane door again.

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Switching Appliance OFF

1. After use or in order to clean it, disconnect the appliance from the power supply (pull the plug out).

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

Appliance Cleaning

1. Clean the appliance thoroughly at the end of a working day.
2. Remove all food products from the appliance. When cleaning the display show-case, store them in a refrigerator to prevent it from getting spoiled.
3. Remove glass shelves from the cake display show-case.
4. Clean glass shelves with warm water, mild washing agent and soft cloth or sponge.
5. To end with, rinse the cleaned shelves with fresh water.
6. Dry glass shelves pan with a soft, lint-free cloth.
7. Clean the cake display show-case and glass pane door regularly inside and outside with a mild detergent and a soft cloth.
8. Wipe the cleaned surfaces with a cloth moistened with fresh water to remove any residues of the cleaning agent.
9. To end with, the cake display show-case should be dried thoroughly.
10. If condensed water collects at the bottom of the display show-case, wipe it with a soft, damp cloth.
11. Leave the glass pane door open for the cake display show-case to dry completely.
12. Introduce glass shelves into the appliance again at a selected height.
13. Clean the cake display show-case regularly with food-grade disinfectant.

Dust Filter / Ventilation Grille Cleaning

1. Clean the removable dust filter regularly. It protects the capacitor from dust and dirt and is located at the front of the base.
2. Remove the dust filter by lifting it upwards (Fig. to the right) and clean it with a soft brush or a vacuum cleaner.

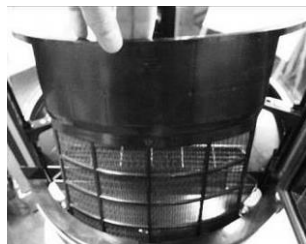


Fig. 5

There are two ventilation grilles inside the appliance to allow air to circulate over the evaporator.

3. Pull ventilation grilles out.
4. Clean these grilles regularly in warm water using a suitable dish-washing brush (Fig. to the right).



Fig. 6

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6.3 Maintenance

Let the appliance to be inspected by professional technician at least once a year or as required.

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.

Possible Malfunctions

Error	Possible cause	Solution
No cooling	Plug is not properly connected to a socket	Pull the plug out and insert it properly in a socket
	Electric power supply safety fuse damaged	Check the fuse, connect the appliance to another socket and check it
	No power supply	Check the electric power supply
	Damaged temperature controller	Contact the supplier
	Loss of the coolant	Contact the supplier
Insufficient cooling efficiency	Direct sunlight or heat sources in immediate vicinity	Move the appliance away from heat sources
	Poor air circulation around the appliance	Ensure sufficient clearance from walls or other objects
	Door is not closed properly or it has been opened for too long	Close the door tightly; limit the door opening time to minimum
	Incorrect temperature setting	Check the temperature setting; if necessary, set a lower temperature
	Damaged or deformed door seal	Contact the supplier
	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 appliance operates loudly	The appliance is not placed on even surface	Place the appliance on even surface
	Appliance touches walls or other objects	Ensure sufficient clearance from walls or other objects

The following phenomena are not malfunctions:

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

Spare Parts

Spare parts for the purpose of repairing this appliance, as stipulated in Annex II to the REGULATION (EU) 2019/2018, are available for at least eight years, counted from the date of introduction of the last appliance of this model to market.

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.