

Pro 25 HK - Pro 50 HK



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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.

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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.
- 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.

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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:

Safety

- 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.

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.

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:

- Ice cubes preparation.

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.

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

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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

Designation:	Ice-cube maker Pro 25 HK
Item no.:	104059
Material:	stainless steel
Number of ice cube sizes:	1
Ice cube size:	Ø 28 mm, height 40 mm
Weight of ice cubes in g:	18 - 20
Ice cube production / work step:	16
Production max., in kg/hour:	25 / 24
Storage container capacity in kg:	7
Refrigerant / quantity in kg:	R290 / 0,043
Climate class:	T
Water connection:	3/4"
Water outlet Ø in mm:	Ø 21
Power:	0,368 kW 220-240 V 50 Hz
Dimensions (W x D x H) in mm:	398 x 512 x 610
Weight in kg:	25,3

Subject to technical changes!

Designation:	Ice-cube maker Pro 50 HK
Item no.:	104060
Material:	stainless steel
Number of ice cube sizes:	1
Ice cube size:	Ø 28 mm, height 40 mm
Weight of ice cubes in g:	18 - 20
Ice cube production / work step:	24
Production max., in kg/hour:	50 / 24
Storage container capacity in kg:	16
Refrigerant / quantity in kg:	R290 / 0,053
Climate class:	T
Water connection:	3/4"
Water outlet Ø in mm:	Ø 21
Power:	0,46 kW 220-240 V 50 Hz
Dimensions (W x D x H) in mm:	548 x 572 x 670
Weight in kg:	36,0

Subject to technical changes!

Model / Properties

- Colour: silver grey
- Design ice cube: cone shape (hollow cone)
- Cooling: air-cooled
- Level sensor
- Production by means of a circulation pump
- Cooling: air-cooled
- Control unit: button
- ON/OFF switch: yes
- Control lamp
 - On/Off
 - in operation
 - Storage container full
 - Low water level
 - Malfunction
- Can be installed: no
- Can be fitted below the counter: no
- Including:
 - 1 ice scoop
 - 1 water inlet hose
 - 1 water drain hose

4.2 Functions of the Appliance

The ice cube makers are designed to produce cone-shaped (hollow cone) ice cubes. Up to 25 kg or 50 kg of ice cubes can be produced in 24 hours.

4.3 List of Components of the Appliance

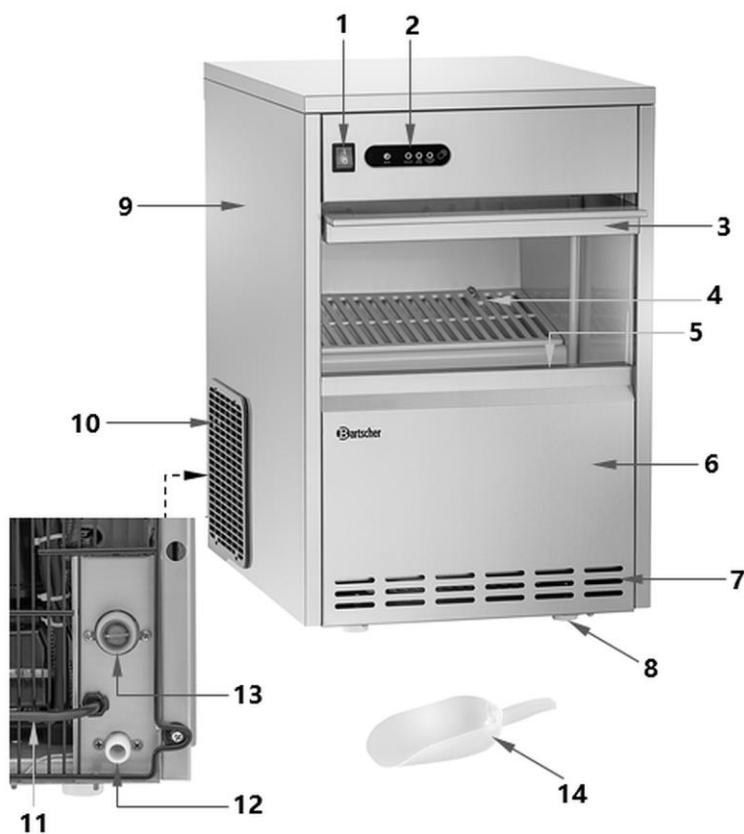


Fig. 1

- | | |
|--------------------------------------|--------------------------|
| 1. ON/OFF switch | 2. Displays |
| 3. Storage container cover | 4. Ice cube chute |
| 5. Storage container | 6. Compressor cover |
| 7. Ventilation openings | 8. Feet (4x) |
| 9. Housing | 10. Ventilation openings |
| 11. Connection cable with mains plug | 12. Drain connection |
| 13. Water connection | 14. Ice cube scoop |

5 Installation and operation



CAUTION!

Incorrect installation, positioning, operation, maintenance or misuse of the appliance may lead to personal injury or property damage.

Positioning and installation, as well as repairs may be performed by authorised technical service only and in compliance with the applicable national law.

NOTE!

The manufacturer disclaims all liability and provides no warranty for damages, which may be attributed to non-observance of regulations or incorrect installation.

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.
 - Do not position the appliance in high humidity locations. Air relative humidity should not exceed 70%.
 - 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.
 - In order to avoid damage to the compressor, do not tilt the appliance more than 45° when positioning or transporting it.
 - Keep a minimum distance of 20 cm from walls and other objects on the sides and at the rear.
 - Only set up the device in rooms with an ambient temperature between 18 °C and 43 °C.

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Water connection

1. Set up the appliance near a drinking water connection.

The maximum temperature of the water supply must not exceed 38 °C.

ATTENTION!

**Only connect the appliance to a drinking water water connection.
Otherwise, a water purification device must be installed.**

2. Before connecting the supplied water inlet hose, fit sealing rings to both ends of the water inlet hose.
3. Connect one end of the water inlet hose to the 3/4-inch screw connection on the tap to obtain drinking water from the tap.
4. Connect the other end of the water inlet hose to the water inlet connection on the appliance.
5. Check the water line for leaks: after making the above water connections, open the tap to check the water inlet line and ensure that it does not leak.

NOTE!

The flow pressure should be 2 - 3 bar. If the pressure is higher, a pressure reducer must be installed upstream.

Water drain

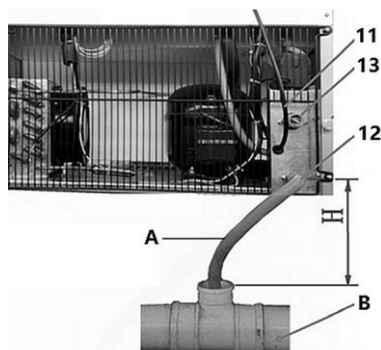


Fig. 2

NOTE!

To ensure that the water drains properly, the drain hose (A) should never be bent upwards. If the drain hose has too much length, you can cut off part of it.

The drain hose (A) must not be bent downwards. Ensure that the entire drain hose (A) remains above the waste pipe (B). Keep the drain connection 150 mm (H) above the drain hose (A).

4. Check the water outlet:
 - connect the appliance's mains plug to a grounded single socket,
 - open the tap fully and switch on the power switch on the appliance,
 - Pour some water into the ice container to check the water outlet. The water should drain out of the container.

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.
- If in winter the appliance is brought from the outside to a room, leave it for a few hours to heat up and reach the room temperature before switching it on.
- Before connecting the appliance to the power supply, wait 1 hour for the coolant to stabilize.
- After a power failure or when the plug is removed from the socket, reconnect the appliance to the power supply after 5 minutes at the earliest.

5.2 Operation

Controls / Displays

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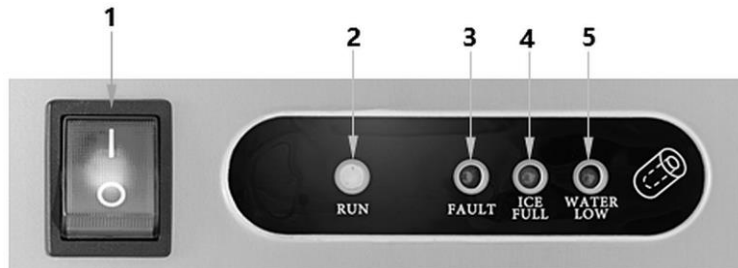


Fig. 3

1. ON/OFF switch with integrated control lamp (green)
2. Operating control lamp (green)
3. **"Error/malfunction"** indicator
4. **"Storage container full"** indicator
5. **"Low water level"** display

Before use

1. Clean the device and accessories before first use according to the instructions in Section 6 **"Cleaning"**.
2. Then dry the device thoroughly.
3. Check all connections and ensure that the water shut-off valve is open.
4. Connect the appliance to a suitable single socket.

Operating the appliance

1. Set the ON/OFF switch on the control panel to the "I" position.

The green control lamp on the ON/OFF switch illuminates.

The green control lamp illuminates and the ice cube production process begins.

This process comprises:

- Water intake
- Ice cube production
- Ice cube ejection
- Storing finished ice cubes.

As soon as the storage container is full, the **"Storage container full"** indicator lights up on the control panel and the appliance automatically stops producing ice cubes.

2. Open the container cover and remove the finished ice cubes with the ice cube scoop.

After removing the ice cubes, the appliance will restart ice cube production.

CAUTION!

For hygiene reasons, the ice cubes from the first 2 production cycles should be discarded and not used for drinks or food cooling.

If the water supply is insufficient, the **"Low water level"** indicator on the control panel lights up and the appliance switches off automatically.

3. Check the water supply to the ice cube maker.

If an error occurs, the **"Error/Fault"** indicator will light up and the appliance will switch off automatically.

CAUTION!

The compressor may be damaged if the appliance is switched on immediately after the automatic turn-off.

Do not switch the appliance back on immediately after it has switched off automatically (insufficient water supply, full ice cube tray, power failure, etc.). Wait 3–5 minutes before restarting the appliance.

4. When the appliance is no longer in use, switch it off using the ON/OFF switch and disconnect it from the power supply (pull out the mains plug!).

NOTE!

If the appliance is not going to be used for a long period of time, remove the ice cubes and wipe the water tank with a dry cloth.

6 Cleaning and Maintenance

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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. Clean the device thoroughly at the end of each working day and after prolonged periods of non-use.
2. Clean the inside of the appliance with warm water and a cleaning agent suitable for use in food preparation areas.
3. Rinse with clean water.
4. Wipe the outside with a soft, damp cloth.
5. After cleaning, use a soft, dry cloth to dry and polish the surface.
6. Clean the water tank if it has not been used for 48 hours; flush the water system connected to the Water supply if no water has been drawn for 5 days.

6.3 Descaling

Inappropriate water may lead to scale deposit in the water tank of the appliance. Such deposits negatively affect the operation of the appliance. For this reason, the appliance should be regularly descaled.

ATTENTION!

Only a service company may descale the appliance.

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1. Remove the top cover of the appliance.
2. Close the water supply.
3. For descaling, prepare a solution of warm water (1 litre) and 1 package of a commercially available descaling agent. Follow the instructions of the agent's manufacturer.
4. Fill the water bowl with the solution.
5. Leave the agent for a couple of minutes for it to act. The time needed may vary depending on the extent of scale deposits.
6. Switch the appliance on and let the solution flow until the water bowl is empty and rises.
7. Perform the process with the solution 3 times.
8. Using fresh water, conduct 2–3 output cycles, to remove all residues of descaling solution.

CAUTION!

After descaling, dispose of the produced ice cubes; do not use them for cooling beverages nor food products!

6.4 Maintenance

1. Regularly check the connections of the water supply and outlet hoses and drain any water that may have leaked out.
2. Clean the condenser every 2–3 months.

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.

Error	Possible cause	Remedy
Device does not work, indicator lights and displays do not light up	Power supply interrupted	Check the power supply
	Power supply voltage incorrect	Disconnect power supply
	Mains plug damaged	Contact customer service
	Device is switched off	Switch on the device

Possible Malfunctions

Error	Possible cause	Solution
Device does not work, only the power control lamp on the ON/OFF switch lights up	PCB board damaged	Contact customer service
	Power supply voltage incorrect	Check power supply
	Hall sensor damaged	Contact customer service
	Rotary motor damaged	Contact customer service
	Water tray mounting screw is loose	Tighten or replace the fastening screw
Appliance not working, "ICE FULL" indicator lit	Storage container is full	Remove ice cubes from the storage container
	Ambient temperature is below 5 °C	Maintain an ambient temperature above 5 °C, restart the appliance
Device not working, "ICE FULL" and "FAULT" indicators are lit	Storage container sensor damaged or Cable not connected	Contact customer service
Device not working, "FAULT" indicator lit	Condenser sensor damaged or Cable not connected	Contact customer service
"FAULT" indicator lights up after 15 minutes of operation	Hall sensor damaged	Contact customer service
	Water tray mounting screw is loose	Tighten or replace the fastening screw
"WATER LOW" indicator lights up	No water supply	Check the water supply Open the water inlet valve
	Water inlet valve damaged	Contact customer service
	Water tray was in lower position	Adjust by lifting the Hall sensor
	Water tray mounting screw is loose	Tighten or replace the fastening screw

Fault	Possible cause	Remedy
Ice cubes are stuck in the water tray	The electric valve for dispensing ice cubes is not working	Connect the valve correctly or replace it
	Circulation pump defective	Contact customer service
Ice cube size is not very consistent	Refrigerant leak	Contact customer service
	Ambient temperature is below 10 °C	Maintain an ambient temperature of more than 10 °C Restart the device
Ice cubes are too small	Fan motor damaged	Contact customer service
	Condenser dirty	Clean the condenser
	Poor ventilation	Maintain a minimum distance of 20 cm on both sides and at the rear Do not cover ventilation openings Do not place/install the device in a cabinet

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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.