

MDI 1BW160-101 S - MDI 1HW211 S



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Version: 1.0

Date of preparation: 2025-09-16

Original instruction manual

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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.

Flammable Materials

- Never subject the appliance to contact with high temperature sources, e.g.: oven, furnace, open flame, heat generating devices, etc.
- To avoid fire hazard, clean the appliance regularly.
- Do not cover the appliance with, e.g., aluminium foil or cloths.
- Use the appliance only with materials designated to this end and with correct temperature settings. Materials, groceries and left-overs remaining in the appliance may catch fire.
- Never use the appliance near flammable or inflammable materials, e.g.: petrol, spirit, alcohol, etc. High temperature triggers evaporation of these materials, and, as a result of contact with sources of ignition, an explosion may occur.
- In case of fire, disconnect the appliance from the power supply before attempting suitable 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.

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Hot Surfaces

- Surfaces of the appliance become hot during operation. Burning hazard! High temperature remains for some time after switching the appliance off.
- Do not touch any hot surfaces of the appliance. Use the provided handling elements and holders.
- You may transport and clean the appliance after it cools down entirely.
- It is prohibited to sprinkle hot surfaces with cold water or flammable liquids.

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

- 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.

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Supervised Usage only

- Only supervised appliance may be used.
- Always remain in an immediate vicinity of the appliance.

Improper use

- Unintended or prohibited use may cause damage to the appliance.
- The appliance may only be used in a technically flawless condition, providing for safe use.
- The appliance may only be used with connections in a technically flawless condition, providing for safe use.
- The appliance may only be used clean.
- Use only original spare parts. Never attempt to repair the appliance on your own.
- Do not attempt to modify nor alter 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:

- Baking waffles.

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:

- Baking unsuitable floury products.

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

Name:	Waffle maker MDI 1BW160-101 S
Art. No.:	370199
Material:	stainless steel, coated
Baking trays material:	cast iron, enamelled
Number of baking units:	1
Waffle shape:	Brussels waffle
Waffle size, in mm:	160 x 100
Waffle height, in mm:	32
Temperature range from – to, in °C:	50 - 300
Protection class:	IPX3
Power:	2,2 kW 230 V 50/60 Hz
Dimensions (W x D x H), in mm:	285 x 460 x 245
Weight, in kg:	23,4

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Name:	Waffle maker MDI 1HW211 S
Art. No.:	370284
Material:	stainless steel, coated
Baking trays material:	cast iron, enamelled
Number of baking units:	1
Waffle shape:	Heart shape
Waffle size, in mm:	Ø 210
Waffle height, in mm:	16
Temperature range from - to in °C:	50 - 300
Protection class:	IPX3
Power:	2,2 kW 230 V 50/60 Hz
Dimensions (W x D x H), in mm:	285 x 470 x 225
Weight, in kg:	17,25

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- Colour: black
- Design baking trays: permanently mounted
- Baking trays can be rotated: no
- Temperature control:
 - electronic
 - in 1 °C-Stufen
- Control unit: MDI toggle switch
- Digital display: yes
- Timer: yes
- ON/OFF switch: yes
- Control lamp:
 - Heating
 - On/Off
- Properties:
 - Toggle switch with digital display for temperature and time
 - Memory function
 - Acoustic signal when time has elapsed (0:10 - 9:30 minutes)

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We reserve the right to implement technical modifications.

4.2 Functions of the Appliance

Robust design, high power, and simple and intuitive control with a knob, accompanied by digital display, timer and audible signal provide for ideal conditions for baking perfect waffles. Moreover, cast iron baking trays provide for high heat conductivity.

4.3 List of Components of the Appliance

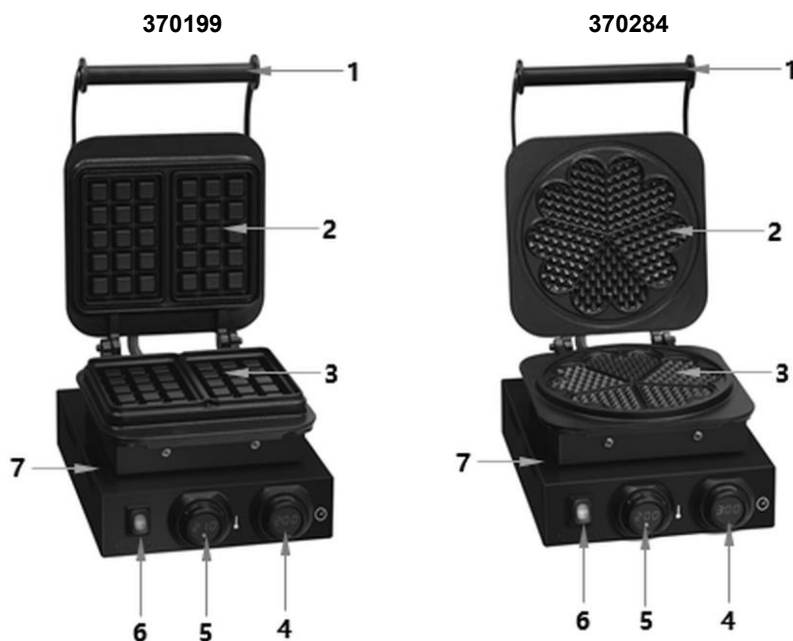


Fig. 1

1. Grip
2. Top baking tray
3. Bottom baking tray
4. Push rotary time control knob
5. Push rotary temperature control knob
6. ON/OFF switch with integrated operation indicator light (green)
7. Housing

5 Installation and operation

5.1 Installation



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.

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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.

Installation and operation

- 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.
- Leave at least 20 cm clearance from flammable walls and items.

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.
- Do not use the appliance with an external timer or remote control.

5.2 Operation

Before First Use

1. Before use, clean the appliance, observing instructions in section **6 'Cleaning'**.
2. Before the first use, heat the open appliance up without batter for approx. an hour with temperature set to 180–200°C. Observe indications in **'Settings'** and **'Switching the Appliance on and Heating It up'** sections.

Due to post-manufacturing residues, there may be a smoke produced during heating up. This smoke is not hazardous to users and will not be generated during subsequent operation of the appliance. Ensure proper ventilation during first heating up.

3. Moisten the baking trays with food oil three or four times.

Settings

The waffle maker is controlled with two push rotary control knobs:

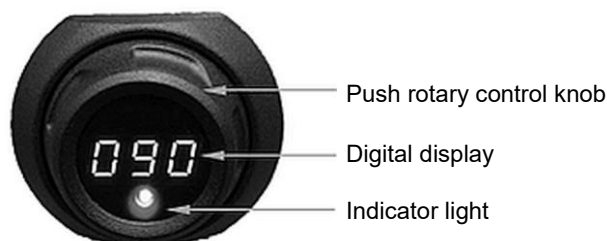
- Push rotary time control knob ⌚
- Push rotary temperature control knob 🌡️

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The push rotary control knobs are integrated with digital displays that allow reading the most recently set time and temperature.

Indicator lights evidence the operating modes.

Design of the Push Rotary Control Knobs



Temperature Setting

Installation and operation

The temperature is set with push rotary control knob. A short press and rotation of the push rotary temperature control knob you may set the required temperature in the range of 50–300°C and in 1°C increments. Another press of the push rotary temperature control knob the set value is stored and displayed on digital display. The appliance will be heated up to the set temperature. The red indicator light on the push rotary temperature control knob is lit during the heating up process. As soon as the set temperature is reached, the indicator light goes off. It takes approx. 10 minutes to heat the appliance to 200°C.

Time Setting

The duration of appliance operation is set with the push rotary time control knob. A short press and rotation of the push rotary time control knob you may set the required time in the range of 0:01 - 9:30 minutes and in 1 second increments. Another press of the push rotary time control knob the set time is stored and the remaining time is displayed on digital display (it is counted down in 1 second increments).

The red indicator light in the push rotary time control knob blinks. When the time elapses, the acoustic signal is generated. To switch off the signal, press the push rotary time control knob shortly.

NOTE!

When the set time elapses, the appliance does not switch to standby mode — the heating element is still active. The timer has no influence onto the heating function.

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The previously set time is displayed again on the digital display and another waffle may be prepared with the use of the same setting. To this end, press the push rotary time control knob.

The appliance may also be used without the timer if the push rotary time control knob is not activated through pushing it.

Switching the Appliance on and Heating It up



WARNING!

Risk of burns!

When in use, the baking trays and external surfaces of the appliance get very hot.

Do not touch hot surfaces.

When operating the appliance, you only may touch its handle and the control elements provided to this end.

1. Prepare the waffle batter according to your recipe or our proposal (section '**Indications and Tips**').
2. Close the upper baking tray with the use of the grip.
3. Plug the appliance into a suitable single socket.

Each baking unit is equipped with the ON/OFF switch, push rotary temperature control knob and push rotary time control knob, and thus they may be used independently.

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4. Set the ON/OFF switch of the selected baking unit to '**I**' position.

The green operation indicator light in the ON/OFF switch lights up.

5. Set the required temperature and time, observing indications in section '**Settings**'.

Optimal temperature for baking waffles is 200–250°C.

NOTE!

For best results, heat the appliance up to the appropriate temperature before making waffles.

Baking Waffles



WARNING!

Risk of burns!

Touching hot baked products with bare fingers or hands may cause burns.

Hot baked products should be removed only with the use of wooden or plastic paddle, or, if possible, tongs resistant to high temperature.

1. Open the heated appliance with the use of the grip and make sure that the upper tray is opened up to the limit.
2. Spread a small amount of vegetable oil on the bottom baking tray.
3. Use a ladle, a spoon or batter batching container to pour the prepared batter onto the bottom baking tray, starting from the middle and spreading it uniformly. Pay attention to the amount of batter, as an excess of batter may spill over the edges of the appliance.
4. Close the appliance and use the grip to press the upper baking tray down to spread the batter uniformly.
5. Depending on the required browning level, bake for approx. 2–3 minutes.
6. Using the grip, open the appliance and carefully remove the prepared waffle with the help of suitable tongs or a wooden paddle.
7. Place the prepared waffle aside on a grate to cool down.

Batter can be poured immediately after removing a ready waffle.

8. Bake the required number of waffles according to the description above.
9. Serve waffles until they are warm.
10. When finished baking waffles, press the push rotary control knobs and rotate them until '00' is shown on the digital display.
11. Set the ON/OFF switch to 'O' position and disconnect the appliance from power supply outlet (pull the plug out).

Indications and tips

- Before you start preparing the batter, its ingredients should be kept for some time in room temperature.
- The batter will be more fluffy if you sieve the flour first.
- Separate egg yolks from egg whites and add the yolks to the batter first. Whip the whites to compact foam and stir the foam gently at the end, without whipping it. This will help to make the batter and, in turn, the waffles fluffier.
- Melt the butter in low temperature. Leave it to cool down and add to the batter when it is lukewarm.
- In the case of recipes including milk, it may be replaced with mineral water. This will reduce the amount of baking powder needed because of carbon dioxide content in mineral water.
- Prior to longer processing, leave the batter for a half an hour to rest. Use the batter at once, and do not store for longer periods of time.
- Add ingredients such as nuts, baking flavours, etc. to the batter at the very end.
- Waffles taste best when fresh from the waffle maker. Serve the waffles to your liking, e.g. with powder sugar, honey, syrup, ice-creams or other specials.
- To get crispy waffles, leave them side by side to cool down on a grate. Stacking waffles may cause them to go soft.
- Ready and cooled waffles may be frozen. For the waffles not to stick together, they should be interlaced with baking or breakfast paper and frozen in plastic bags for deep-frozen foods or containers suitable for freezers.
- Remove the required number of waffles from the freezer and leave them to thaw in room temperature. Heat them before serving in an oven at 100°C. Place them in a container with a cover or wrap in aluminium foil. It will prevent them from drying out in high temperature.

Cleaning

Recipe for delicious waffles (approx. 10 waffles)

Ingredients:

250 g	Wheat flour (405 type)
150 g	Butter
200 ml	Milk
100 g	Sugar
3 units	Eggs
2 teaspoons	Vanilla sugar
1 teaspoon	Baking powder
1 pinch	Salt

Preparation:

Step 1: Put the butter into a pot. Melt the butter on low heat (do not allow it to get brown). Leave the melted butter aside to cool down.

Step 2: Whip eggs with sugar, vanilla sugar and a pinch of salt in a bowl until the mixture is fluffy. Add milk and baking powder. Mix well. Add flour to the egg mass through a fine sieve, stirring at the same time with a whisker or a hand mixer, until the batter is smooth.

Step 3: Add the melted butter to the batter slowly, still stirring. Stir everything well.

Step 4: Heat up the waffle maker and bake waffles.

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6 Cleaning

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 appliance daily.
2. Remove the baking left-overs when they are still warm, using a wooden paddle or an appropriate cleaning brush.
3. Clean the appliance only when it has cooled down; clean without using water or with a cloth moistened in water.

ATTENTION!

Make sure that moisture, oil, nor fat do not enter the appliance.

Never wash the appliance in a dishwasher.

4. Clean the housing with a soft cloth and mild cleaning agent.
5. Wipe all washed surfaces with a clean, damp cloth.
6. Then dry the appliance thoroughly.

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	Solution
The appliance is connected to the power supply, switched on, but the digital displays of push rotary control knobs do not show any values.	Abnormal or interrupted power supply.	Check the power supply and the cable for damage or faults.
	Electric power supply safety fuse damaged.	Check the fuse, connect the appliance to another socket.
	No power supply.	Check the electric power supply.
Appliance is connected to the power supply, switched on, but it does not heat up.	Temperature is not set.	Set the temperature.
	At least one of the heaters is damaged.	Contact the service company.
The waffles are not baked on the upper side.	Insufficient amount of batter (it does not come in contact with the upper tray).	Pour more batter.
	The batter insufficiently increases its volume (insufficient baking powder amount).	Add more baking powder to the batter.
	The upper tray opened for too long and cools down too much.	Do not open the waffle maker for too long.

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.