

# AREBOS

## Ice Maker

AR-HE-EM11B



Please follow all security measures in this user's manual to ensure a secure use.

CE

Thank you for trusting in AREBOS.

# Table of contents

<b>1. Safety instructions</b> .....	<b>3</b>
1.1 Explanation of the symbols .....	3
1.2 General safety instructions.....	4
<b>2. Intended Use</b> .....	<b>7</b>
<b>3. Technical data</b> .....	<b>7</b>
<b>4. Ice Maker overview</b> .....	<b>8</b>
<b>5. Operation of the machine</b> .....	<b>9</b>
5.1 Before first use .....	9
5.2 Starting the Ice Maker .....	9
5.3 Operation panel and Functions .....	9
5.3.1 Standby Mode .....	9
5.3.2 Ice Making Mode .....	10
5.3.3 Washing Mode .....	10
5.3.4 Ice Full Reminding Mode.....	10
5.3.5 Water Shortage Reminding Mode.....	10
5.3.6 Ice Box Not Reset Reminding Mode.....	11
5.3.7 Water Refilling.....	11
5.3.8 Water drainage.....	11
5.3.9 Food Safety Instructions for Ice Maker .....	11
<b>6. Cleaning and Maintenance</b> .....	<b>12</b>
6.1 Cleaning.....	12
6.2 Maintenance .....	12
6.3 Storage .....	12
<b>7. Troubleshooting</b> .....	<b>13</b>
<b>8.Environmentally friendly disposal</b> .....	<b>15</b>
8.1 Disposal and packaging .....	15
8.2 Disposal of old equipment.....	15
<b>9.Revocation/Return</b> .....	<b>15</b>
<b>EU Declaration of Conformity</b> .....	<b>16</b>

Thank you for purchasing our product. Please read the operating instructions carefully before using the product for the first time. If you give the product to a third party, this instruction manual must also be handed over. Keep this manual for future reference. The drawings in this manual may not correspond to the physical objects. Please refer to the physical objects.

# 1. Safety instructions

## 1.1 Explanation of the symbols



On the basis of a CE marking it can be recognized that a product complies with the legal provisions of the European legal standards and can therefore be traded within the European Community.



**Warning!** Read the safety instructions carefully. The failure to follow the safety precautions can result in serious injury or damage. Keep the operating instructions in a safe place.



This product must **not** be disposed of with household waste!



Use caution when using this article.



**Warning** of electrical voltage!



**Warning!** Flammable material, flammable substances!



**Note:** Pull out the mains plug!



**Danger!** Make sure the product is grounded!

## 1.2 General safety instructions

- Read the operating instructions carefully before putting the appliance into operation and keep the instructions including the warranty, the receipt and, if possible, the box with the internal packing.
- The appliance is designed exclusively for private use and for the envisaged purpose. This appliance is not fit for commercial use.
- Do not use it outdoors. Keep it away from sources of heat, direct sunlight, humidity (never dip it into any liquid) and sharp edges.
- Do not use the appliance with wet hands. If the appliance is humid or wet, unplug it immediately.
- Do not operate the device unsupervised. If you leave the room, always switch off the device. Pull the plug out of the socket.
- The device and the power cord must be checked regularly for signs of damage. If damage is found, the device may no longer be used.
- Only use original accessories and spare parts.
- Only use accessories that are expressly recommended by the manufacturer for this device.
- For the safety of your children, do not leave any packaging parts (plastic bags, boxes, polystyrene, etc.) accessible.
- Only connect the device to earthed sockets that correspond to the voltage of the device.
- Place the device on a level surface.
- Use the device only indoors.
- Do not use the device near a bathtub or swimming pool.
- Never immerse the power cord and plug in water or other liquids.
- Do not place the device directly under an electrical outlet.
- Do not let the power cord hang from the work surface so that children cannot pull on it.
- Do not overfill the device, otherwise short circuits and electric shocks may occur.
- Make sure that the lid is always closed during operation.
- Do not pull the plug out of the socket by the cable, but hold it by hand when pulling it out.
- We accept no liability for damage caused by disregarding the information and improper use.
- Do not connect the device to a timer or remote-controlled socket.
- Do not immerse the device in water.
- If the power cord or plug is damaged, it must be replaced by the manufacturer or a similarly qualified person.
- When disposing of the device, follow local regulations for the disposal of devices with flammable gas.
- Do not keep any flammable or explosive substances in the device.

- Only fill the device with water.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Always supervise children near the ice machine to prevent them from climbing or playing on it, as this could lead to injuries or damage to the machine.
- **Danger!** This device contains the refrigerant isobutane (R600a), a natural gas with high environmental impact, but flammable. Although it is flammable, it does not damage the ozone layer and does not increase the greenhouse effect. The use of this refrigerant leads to a somewhat higher noise level from the device.

In addition to the compressor noise, you can hear the flow of the refrigerant. This is inevitable and has no negative impact on the performance of the device. Be careful during transportation so that the refrigerant circuit is not damaged. Refrigerant leaks can irritate the eyes.

- **Danger!** Fire/flammable materials hazard. Please observe the local regulations for the disposal of devices with flammable refrigerants and gases.
- Keep ventilation openings in the device housing free of obstacles.
- Do not damage the refrigerant circuit.
- Do not use mechanical devices or other means to speed up the thawing or ice-making process.
- Do not use other types of electrical equipment inside the ice maker.
- All repairs and replacements should be done using original parts, and carried out by authorized service personnel. This is crucial to avoid fire risks due to incorrect parts or improper repairs.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Warning: this product is only suitable for making and storing ice cubes. It is not used for other purposes, such as storing blood and products, medicines, biological products, chemicals and technical data.
- Warning: Avoid placing heavy objects, liquid containers, or electrical appliances like microwave ovens or electric pots on top of the ice maker. This is to prevent accidents like electric shocks or fires caused by spills or falling objects.
- Warning: In case of a flammable gas leak, immediately shut off the leakage source and ventilate the area. Do not unplug the appliance or operate any electrical switches to prevent ignition.
- When moving the ice maker, avoid holding it by the door. Instead, lift it from the designated lifting points or the bottom. Do not turn the ice maker upside

down.

- Install the ice maker in a dry, well-ventilated area. Ensure there is at least 20cm of free space around the ventilation grid and more than 30cm of space above the machine to prevent overheating.
- Do not block the ice maker's air grilles. Keep it away from direct heat, sunlight, curtains, and flammable materials.
- The ice machine should not be installed in passageways or public corridors to ensure safety and ease of access.
- Warning: When positioning the appliance, make sure the power cord is not pinched or damaged. Avoid using multiple portable socket-outlets or portable power supplies behind the appliance.

### **Important notes**

- **Danger!** Only use drinking water without additives! Additives remain in the water cycle and contaminate the device.
- Be sure to adhere to the waiting time of 2 hours, when starting up for the first time or after transport, so that the coolant can lower. Otherwise the cooling compressor would be damaged.
- Do not close or block the ventilation openings in the housing.
- The ice maker should be placed in a dry, ventilated place with free flowing air.
- Do not damage the refrigerant circuit.
- When positioning the device, make sure that the power cord is not pinched or damaged.
- Make sure that there are no multiple sockets or power supplies on the back of the device.
- To avoid food contamination, please follow the instructions below:
  - Regularly clean surfaces that can come into contact with food. Clean the water drain regularly.
  - If the device contains a water tank, clean it if the device has not been used for 48 hours. Flush the tank if no water has been drawn for 5 days.

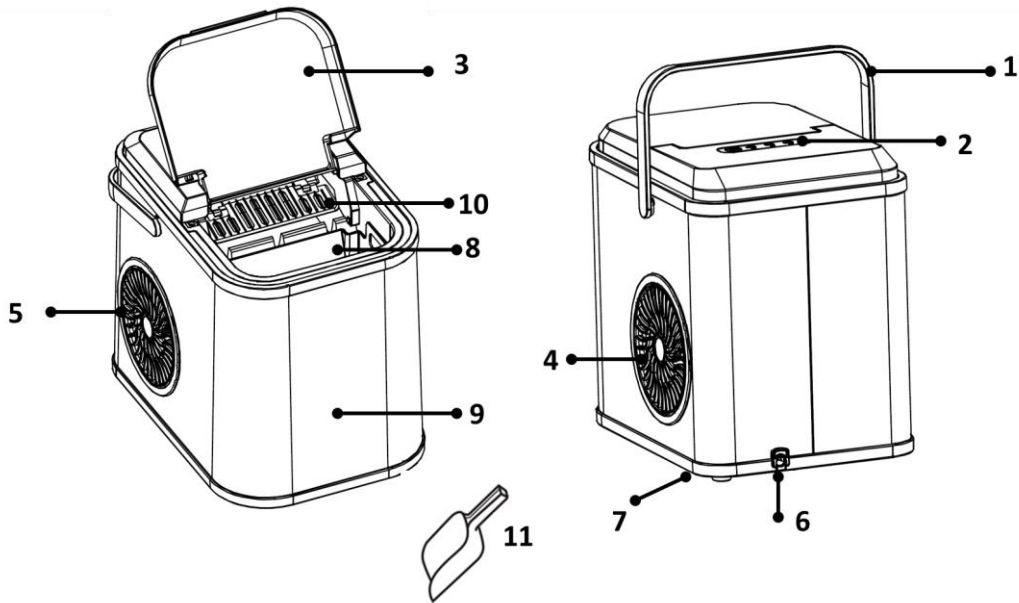
## 2. Intended Use

- This device is designed to produce ice cubes from drinking water.
- The ice maker should be used solely for private, non-commercial purposes, in accordance with these operating instructions.
- Any use of the device beyond these guidelines can lead to property damage or personal injury, for which the manufacturer disclaims liability.

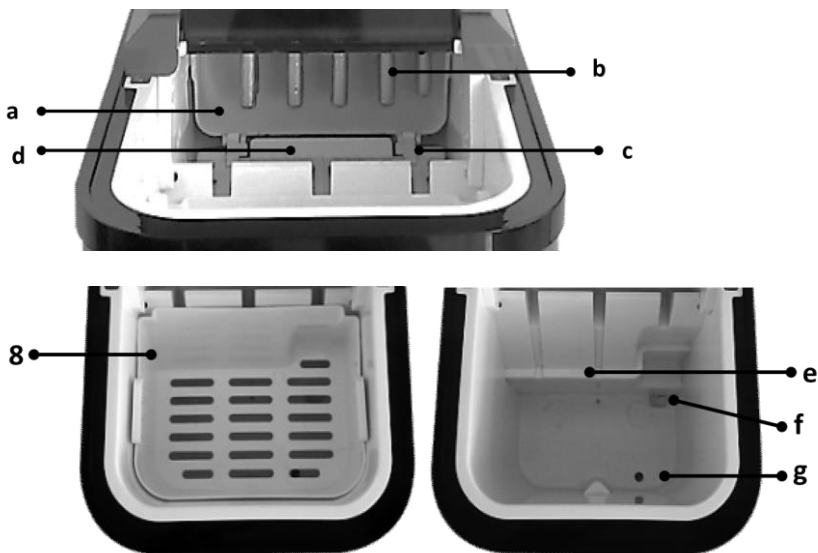
## 3. Technical data

<b>Modell</b>	<b>AR-HE-EM12B</b>
Voltage	AC 220-240V / 50Hz
Rated Power	120W
Capacity of ice making	Ca. 12 kg/24 hours
Numbers of ice cubes per cycle	8
Cycle time of ice cubes	10-15 minutes
Volume water tank	1.1L
Volume ice cube tray	0,8kg
Size of ice cubes	1
Cable length	1,6 m
Ambient temperature	10-43°C
Shape of ice cubes	Bullet ice
Refrigerant	R600a/20 g
Product Dimensions (W x H x D)	305X222X282 mm
Sound value	40 dB(A)
Insulation Blowing Gas	C <sub>5</sub> H <sub>12</sub>
Climate class	SN/N/ST/T
Protection class	I
Weight	6,5 kg
Colour	Black

## 4. Ice Maker overview



1. carry handle	7. Water outlet (Bottom)
2. Operation panel	8. Ice storage box
3. Transparent window/Cover	9. storage room *
4. Air outlet	10. Ice making box*
5. Air inlet	11. Ice shovel
6. Power cord	



a. ice-making water box	e. maximum water mark
b. ice-making column (evaporator)	f. circulating water outlet
c. connecting rod	g. drain outlet
d. ice shovel plate	



## 5. Operation of the machine

### 5.1 Before first use

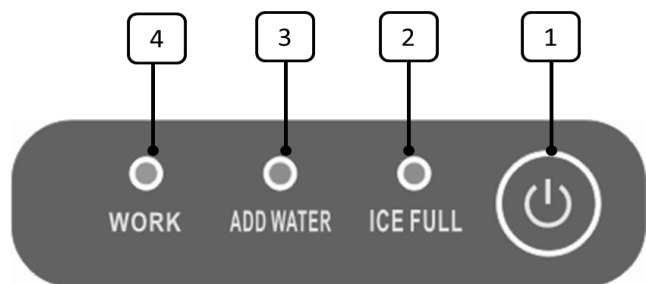
- Remove all packaging components, including foam pads and tapes used for securing internal accessories.
- Place the ice maker on a stable, level surface, ensuring it is not near heat sources or in direct sunlight.
- Ensure there is at least 20 cm of space around the device for air circulation. The room temperature should be above 5 °C.
- Check that all accessories are complete and account for any random attachments and information provided with the device.
- Clean the inside and outside of the ice machine following the provided cleaning tips. Specifically, clean all parts of the device that come into contact with ice using a damp cloth.
- **After positioning the ice maker in a suitable place, leave it unused for 2 hours when first using it or after changing its location.** This is to prevent potential damage to the compressor.
- For hygiene reasons, avoid using ice cubes from the first preparation cycle.
- Only use drinking water to make ice cubes.

### 5.2 Starting the Ice Maker

- Connect the plug to the power supply following the electrical connection instructions, and then turn on the power.
- Fill the ice maker with water, following the specific instructions for filling and draining.
- Set up and start the ice maker using the operation panel and function settings.
- **ATTENTION:** If the ice maker has been recently moved, let it remain stationary for 30 minutes before starting. This ensures effective functioning of the cooling system and prevents potential damage.
- Ensure that the plug connection is firm. Loose connections can cause cords and receptacles to overheat, leading to breakage or fire.
- Keep the ventilation grille and its surrounding area free from obstructions to maintain adequate ventilation for the product.

### 5.3 Operation panel and Functions

Number	Name
1	Ice making button
2	Ice full indicator
3	Add water indicator
4	Work indicator



#### 5.3.1 Standby Mode

- **Activation:** When the ice machine is powered on, the work indicator (4) light begins to flash, signifying that the machine has entered standby mode.
- **Switching to Standby mode:** If the machine is in ice making mode, a short press of the ice making button (1) will cause the work indicator (4) to flash, indicating a switch to standby mode.

### 5.3.2 Ice Making Mode

- **Entering Ice Making Mode:** To enter ice making mode from any other working mode (except washing mode), simply press the ice making button(1) briefly. The work indicator(4) will then stay continuously lit, indicating that the ice machine is now in ice making mode.  
**Caution! When the machine is in ice making mode, refrain from placing your hands inside the ice-making area to avoid risk of injury.**
- **Usage Note:**
  - **Water Type Alert:** If you use pure or distilled water for ice-making, the machine might incorrectly signal a water shortage. To remedy this, simply add a small amount of salt to the water.
  - **Larger Ice Cubes:** For larger ice cubes, consider using water that is cooler than room temperature, along with lowering the ambient room temperature.
  - **Clearing Blockages:** If ice cubes or foreign objects obstruct the rotation of the ice-making box around its outer periphery, simply remove these obstructions manually.
  - **Handling Oversized Ice Cubes:** In cases where ice cubes on the ice-making columns are too large and hinder the rotation of the ice-making box, allow the ice cubes to melt naturally before using the machine again. Do not forcibly remove ice cubes from the columns.

### 5.3.3 Washing Mode

- **Activating Washing Mode:** From standby mode, press and hold the ice making button(1) for 3 seconds. The work indicator(4), add water indicator(3), and ice full indicator(2) will all light up simultaneously, indicating the machine has entered washing mode.
- **Post-Wash Process:** After completing the washing cycle, the machine automatically returns to standby mode.
- **Exiting Washing Mode:** During washing mode, a short press of the ice making button(1) will exit the mode.

### 5.3.4 Ice Full Reminding Mode

- **Activation:** During the ice making process, if ice cubes block the photoelectric sensor's signal transmission, the ice full indicator(2) lights up and a "beep" sound is emitted for about 3 seconds. The machine then automatically enters ice-full reminding mode.
- **Resuming Ice Making:** If the ice cubes melt or are removed manually, restoring the photoelectric sensor's signal, ice making automatically resumes.
- **Sensor Failure:** If there's no obstruction but the machine still indicates ice is full, it suggests a failure in the photoelectric sensor. In this case, pressing and holding the ice making button (1) for 3 seconds forces the machine into ice making mode. After 10 rounds, it will automatically enter ice-full reminding mode.

### 5.3.5 Water Shortage Reminding Mode

- **Activation:** In ice making or washing mode, if the water level in the storage room is low or the water box is unfilled, the add water indicator(3) lights up, accompanied by a "beep" sound for about 3 seconds, signaling the water shortage reminding mode.
- **Switching to Ice Making Mode:** While in water shortage reminding mode, a short press of the ice making button(1) switches the machine to ice making mode.

### 5.3.6 Ice Box Not Reset Reminding Mode

- **Activation:** If the ice storage box(8) doesn't reach the water filling or ice-shedding position within 2 minutes *during ice making or washing mode*, both the add water indicator(3) and ice full indicator(2) will light up, and a "beep" sound is emitted for about 3 seconds. This triggers the ice box not reset reminding mode.
- **Automatic Mode Transition:** The machine automatically enters ice making mode after 30 minutes.
- **Manual Mode Switching:** While in the ice box not reset reminding mode, a short press of the ice making button(1) transitions the machine back to ice making mode.
- **NOTE:** The Ice Box position alert mode is designed as a protective feature for the machine.

### 5.3.7 Water Refilling

Add water when the water level in the storage area is low or when the machine indicates a water shortage.

Manually pour drinking water into the water storage area.

Water Level Caution: Ensure that the water added does not exceed the maximum water level mark.

**Warning: Only use potable (drinking) water.**

### 5.3.8 Water drainage

- **When to Drain Water:** Drainage is necessary if the water in the storage area becomes contaminated or when the internal walls of the storage area require cleaning.
- **Drainage Process:** Unplug the machine before starting the drainage process.
- Carefully move the ice maker and position a container directly under the drainage outlet.
- Remove the drain stopper to let the water flow out automatically.
- **Post-Drainage Action:** Once drainage is complete, immediately replace the stopper.

**Note:** While filling or draining water, ensure that water does not come into contact with any electrical components of the machine to prevent hazards.

After draining and before using the machine again, inspect for any water leakage at the drain outlet. Confirm that there is no leakage before resuming use.

### 5.3.9 Food Safety Instructions for Ice Maker

- **Managing Interior Temperature:**  
To maintain optimal temperature inside the ice machine, avoid keeping the door (cover) open for prolonged periods, as this can lead to a significant rise in the internal temperature.
- **Cleaning and Hygiene:**  
Regularly sanitize surfaces that come into contact with food, as well as the accessible parts of the drainage system. Clean the water tank if the machine remains unused for over 48 hours. Additionally, if water remains in the tank for more than five days, thoroughly wash the water circulation system that is connected to the water supply.
- **Maintenance During Inactivity:**  
If you plan not to use the ice maker for a long time, it's important to turn it off, defrost it, clean thoroughly, and dry it out. To prevent the growth of mold, leave the door (cover) open during this period of inactivity.

## 6. Cleaning and Maintenance

### 6.1 Cleaning

- **Before cleaning**
  - please always disconnect the device from the power supply before carrying out cleaning work.
- **During cleaning:**
  - Do not immerse the device in water.
  - Ensure no water enters any electrical components.
  - Use a soft towel dampened with warm water or a mild detergent to clean the interior and exterior.
  - Avoid using abrasive cleaners (like toothpaste), acids, chemical solvents (such as alcohol), or polishes.
  - **Note:** For hygiene reasons, you should change the water in the container after 24 hours.  
To avoid fungus and bacteria, please leave the lid open after use.
- **Interior Cleaning**
  - Clean casing and interior with a damp cloth.
  - Create a solution using 1 part vinegar to 2 parts water and fill the storage area, following the standard water filling instructions.
  - Activate the washing mode.
  - Once the washing mode is complete, drain the solution according to the water drainage process instructions.
  - Repeat the process of filling, washing, and draining several times until the water drains out clear.

### 6.2 Maintenance

- **Placement:** Position the ice maker in a dry, well-ventilated area, away from heat sources and direct sunlight.
- **Water Temperature:** Cool water that is too hot to room temperature before using it for ice making.
- **Minimize Door Opening:** Keep the ice maker's door (cover) closed as much as possible.
- **Ventilation Grilles:** Clean the ventilation grilles regularly.
- **Turning Off and Stopping Use:**
  - To turn off the ice maker, simply unplug it from the power source.
  - If leaving the ice maker out of service for an extended period, clean it first, then turn it off, and leave the door (cover) slightly open to prevent odors.
  - **Notice:** Do not store food in the storage area if the ice maker is deactivated.

### 6.3 Storage

- Please keep the appliance in the original packing if you do not intend using it for long periods.
- Always keep the appliance out of the reach of children in a dry, well-ventilated place.

## 7. Troubleshooting

Phenomena	Possible Cause
<b>Fog Condensation on the outside surface of the ice maker.</b>	<ul style="list-style-type: none"> <li>• If there's fog condensation on the outside, simply wipe it dry. This can occur in high humidity.</li> </ul>
<b>Variation in Ice Cube Size</b>	<ul style="list-style-type: none"> <li>• After deactivation, the refrigeration system may take a few cycles to stabilize, affecting ice cube size.</li> <li>• Low ambient temperature can also cause size variation.</li> </ul>
<b>Small Ice Cubes</b>	<ul style="list-style-type: none"> <li>• Caused by high ambient or water temperatures</li> </ul>
<b>Operational Noises (“hiss”, “whirr”, “tick” or “whine”)</b>	<ul style="list-style-type: none"> <li>• "Hissing" when refrigerant flows in the pipeline.</li> <li>• Slight "whirring" sound from the fan rotation.</li> <li>• "Tick" sound when the solenoid valve opens/closes during the ice-shedding position.</li> <li>• "Whining" sound of the pump when filling water. These sounds are normal during operation.</li> </ul>

Problem	Possible Cause	Solution
Indicators do not light up; and no sound when pressing buttons.	The power supply may not be properly connected.	Ensure the power supply is correctly plugged in and operational. If the problem persists, contact manufacturer for service.
	Power Failure.	
	the control system is broken.	
Water leakage or seepage detected.	The drain stopper isn't securely in place.	Secure the drain stopper and remove any excess water. If leakage continues, seek professional assistance to inspect and maintain the water circulation pipeline.
	Water has been overfilled, exceeding the intended level.	
	Internal water circulation piping is poorly connected or damaged.	
Water present in storage area, but the 'add water' indicator is lit.	The ice-making mode may be inactive;	Activate the ice-making mode and add water as per instructions. Clear any blockages from the water outlet. If using pure or distilled water, add a pinch of edible salt. If issues persist, contact manufacturer for service.
	water level is below the minimum required;	
	the water outlet is blocked;	
	there's an issue with the system detecting water circulation due to the use of pure or distilled water.	
Ice storage area lacks ice or contains a minimal amount, yet indicates full	Obstruction due to ice cubes or foreign objects blocking the signal transmission of photoelectric sensor.	Remove any obstructions from the photoelectric sensor.

ice.	The photoelectric sensor is malfunctioning.	If the sensor is faulty, have it checked and replaced by a professional.
Full ice indicator is flashing, but ice production continues.	The temperature sensor may be disconnected, broken, or experiencing a short circuit.	Contact a professional to examine and, if necessary, replace the temperature sensor.
Ice-making box not resetting, with continuous reminder.	Possible malfunction in the ice-making box.	Follow instructions in “Ice Box Not Reset Reminding Mode”. If problems persist, contact manufacturer for service.
	Possible malfunction in the ice-making box internal transmission mechanism and detection system.	
Ice-making mode operates correctly, but produces no or little ice.	The refrigeration system might be unstable.	Check and clear any blockages near the ventilation grills and ensure the fan is operational. If problems persist, contact manufacturer for service.
	Vents could be obstructed.	
	The fan might not be operational.	
	There is a refrigeration system failure.	
Difficulty or inability to release ice cubes.	The ambient temperature is too low.	Relocate the ice maker to a suitable environment and follow <i>Usage Note in chapter 5.3.2</i> . If the problem continues, contact manufacturer for service.
	the ice-making box fails to cut the ice properly, leading to overly large ice formation.	
	Failure of the refrigeration and control system.	
Abnormal Noise During Operation	Internal resonance or motion causing control devices to make noise;	Ensure the ice maker is isolated from other items that could amplify vibrations. If noise issues persist, contact manufacturer for service.
	vibrations from electrical components during ice making.	

## 8.Environmentally friendly disposal

**Warning Danger of suffocation!** Packaging material is dangerous for children. Never let children play with packaging material.

### 8.1 Disposal and packaging

- The packaging of your unit consists of materials that are necessary to guarantee effective protection during transport. These materials are fully recyclable and therefore reduce the environmental impact. Dispose of the packaging in a bin for recyclable materials.

### 8.2 Disposal of old equipment

- Old appliances must be disposed of in accordance with the guidelines and regulations of the local waste disposal authority. Check with your local administration for the address of the nearest recycling centre and deliver your appliance there.



The symbol of the crossed-out dustbin on a Waste electrical or electronic equipment indicates that it must not be disposed of with household waste at the end of its life. Collection points for waste electrical and electronic equipment are available free of charge in your area. You can obtain the addresses from your city or local government. You can find out about other return options created by us on our website [www.arebos.de](http://www.arebos.de).



The separate collection of Waste electrical or electronic equipment is intended to enable the reuse, recycling or other forms of recovery of Waste electrical or electronic equipment and to avoid the negative consequences of disposal on the environment and human health.

**Our customer service number: Tel. + 49 931 452 327 00**

**E-Mail: [info@arebos.de](mailto:info@arebos.de)**

Office address: Canbolat Vertriebs GmbH • Gneisenastraße 10-11 • 97074 Würzburg

You can find the **return address** in the imprint: <https://www.arebos.de/impressum/>

## 9.Revocation/Return

- Check the product for transport damage. Immediately report any damage to the transport company that delivered the product.
- **Revocation/Return:** Please note that the full purchase price can only be refunded if the returned goods are unused, new and in their original packaging.

## EU Declaration of Conformity

We, the

Canbolat Vertriebs GmbH, Gneisenaustraße 10-11, 97074 Würzburg, Germany

hereby declare that the equipment described below, by virtue of its design and construction and in the versions placed on the market by us, complies with the relevant essential health and safety requirements of the EU directives.

Product name: Ice Maker  
Article number: 4252023118521  
Model number: AR-HE-EM11B

Should the appliance be modified without our consent, this declaration of conformity will lose its validity.

This appliance has been designed, constructed and manufactured in accordance with the requirements of the **European Directives**:

2014/30/EU (Electromagnetic Compatibility)

2014/35/EU (Low Voltage Directive)

2011/65/EU (RoHS)

Date/Signature Manufacturer/Location:

Würzburg, 05.12.2023



Signature:  
Dipl.-Inform. (Univ.) Korhan Canbolat, Managing Director

Representative of these instructions for use/technical data:  
Dipl.-Inform. (Univ.) Korhan Canbolat, Managing Director

Office address:  
Canbolat Vertriebs GmbH  
Gneisenaustraße 10-11  
D-97074 Würzburg

Return address can be found in the imprint: <https://www.arebos.de/impressum/>

VAT identification number: DE 263752326  
Court of the Commercial Register is Würzburg, HRB 10082  
WEEE Reg.-No. DE 61617071