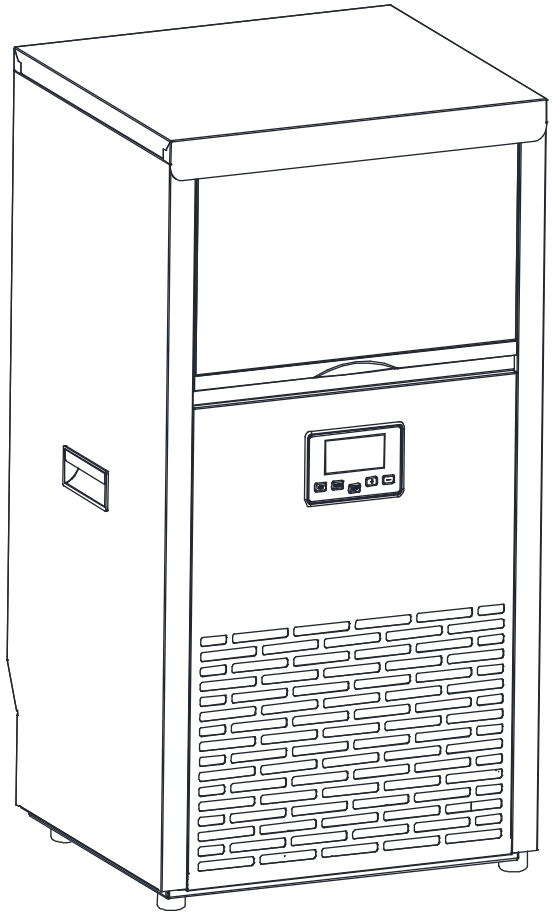
Automatic Ice Maker

USER MANUAL



Model No.: HZB-45/S
HZB-65/S

Read this booklet thoroughly before using and save it for future reference

Scan the QR code to
watch the product videos

Web: www.electacticshop.com

Email: service@electacticshop.com

Tel: 888-698-2504

CONTENTS

IMPORTANT SAFETY INSTRUCTIONS ---------- 1

KNOWING YOUR UNIT ---------- 3

BEFORE FIRST USE ---------- 6

OPERATING YOUR UNIT ---------- 9

CLEANING & MAINTENANCE ---------- 12

TROUBLE SHOOTING ---------- 17

IMPORTANT SAFETY INSTRUCTIONS

Your safety and the safety of others are very important!

We have provided many important safety messages in the manual for your appliance.

All safety messages will tell you what the potential hazard is, how to reduce the chance of injury, and what can happen if the instructions are not followed. Always read and obey all safety messages.

All safety messages will follow the safety alert symbol ⚠ and the word “DANGER” or “WARNING”, which means: **Serious injury may occur if you don't immediately follow the instructions.**

When using electrical appliances, basic safety precautions should be followed to reduce the risk of fire, electric shock, and injury to persons or property. Read all instructions before using any appliance.

- Use this appliance only for its intended purpose as described in this owner’s manual.
- This ice-maker must be properly installed in accordance with the installation instructions before it is used.
- This unit must be positioned so that the plug is accessible. Do not run cord over carpeting or other heat insulators. Do not cover the cord. Keep cord away from traffic areas, and do not submerge in water. No other appliance should be plugged into the same outlet, and be sure that the plug is fully inserted into the receptacle.
- We do not recommend the use of extension cord as it may overheat and cause a risk of fire. If you must use an extension cord, use 14AWG minimum size and rated no less than 1875 watts.
- 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.
- Disconnect the mains plug from the supply socket when not in use for a long term, where supply connection is via mains plug.
- Remove power plug or disconnect from the mains before cleaning or servicing the appliance. **NOTE:** *If for any reason this product requires service, we strongly recommend that a certified technician perform the service.*
- Never unplug you unit by pulling on the power cord. Always grasp the plug firmly and pull straight out from the outlet.
- Do not use your unit outdoors. Keep the unit away from direct sunlight and make sure that there is at least 6 inches of space between the back of your unit and the wall, and keep the front free. Keep ventilation opening in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not tip over the unit, which will cause abnormal noise and make the ice-cube size abnormal. And seriously, it may cause water leakage from the unit.
- If the unit is brought in from outside in the winter season, give it a few hours to warm up to room temperature before plugging it in.
- Do not use other liquid other than water to make the ice-cube.
- Do not clean your ice maker with flammable fluids. The fumes can create a fire hazard or explosion.

⚠ WARNING: This appliance must be earthed. Use the proper power source according to the nameplate.

⚠ WARNING: Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.

⚠ WARNING: Do not damage the refrigerant circuit.

⚠ WARNING: This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been

given supervision or instruction concerning use of the appliance by a person responsible for their safety.

⚠ WARNING: Children should be supervised to ensure that they do not play with the appliance.

⚠ WARNING: This appliance must be earthed. And use the 110-120V/60Hz earthed power supply.

⚠ WARNING: Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.

⚠ WARNING: When positioning the appliance, ensure the supply cord is not trapped or damaged.

⚠ WARNING: Do not locate multiple portable socket-outlets or portable power supplies at the rear of the appliance.

⚠ WARNING: This appliance is intended to be used in household and similar applications such as

- staff kitchen areas in shops, offices and other working environments;
- farm houses and by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments;
- catering and similar non-retail applications.



- DANGER - Risk Of Fire Or Explosion. Flammable Refrigerant Used. Do Not Use Mechanical Devices To Defrost Ice Maker. Do Not Puncture Refrigerant Tubing.
- DANGER - Risk Of Fire Or Explosion. Flammable Refrigerant Used. To Be Repaired Only By Trained Service Personnel. Do Not Puncture Refrigerant Tubing.
- CAUTION - Risk Of Fire Or Explosion. Flammable Refrigerant Used. Consult Repair Manual/Owner's Guide Before Attempting To Install Or Service This Product. All Safety Precautions Must be Followed.
- CAUTION - Risk Of Fire Or Explosion. Dispose Of Property in Accordance With Federal Or Local Regulations. Flammable Refrigerant Used.
- CAUTION - Risk Of Fire Or Explosion Due To Puncture Of Refrigerant Tubing. Follow Handling Instructions Carefully. Flammable Refrigerant Used.
- The ice maker should be installed in accordance with the safety standard for Refrigeration Systems, ASHRAE15. The ice maker shall not be installed in corridors or hallways of public buildings.
- If the unit is with problem need to be maintained, that replacing with like components and that servicing shall be done by factory authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

IMPORTANT:

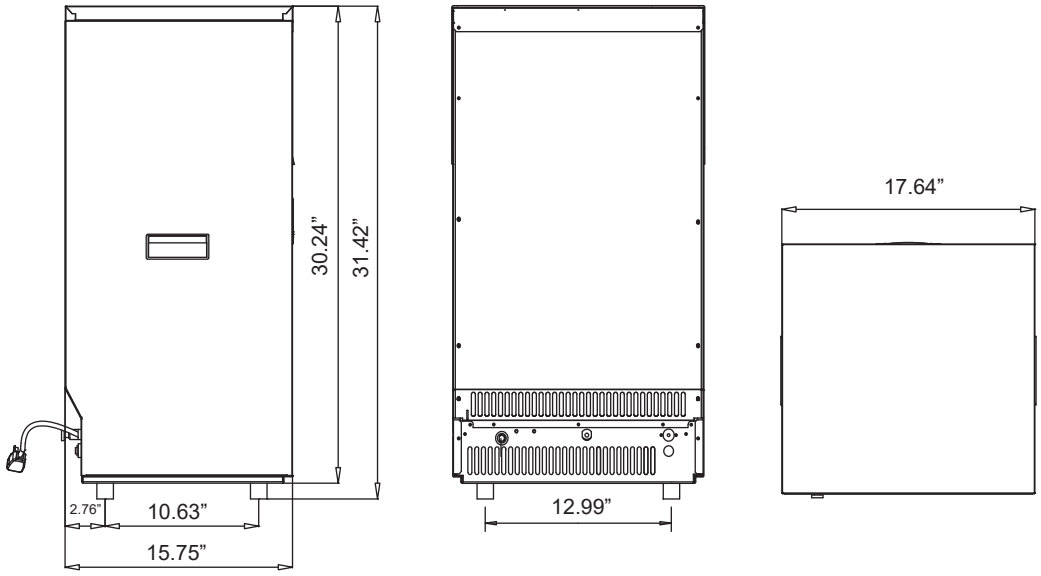
The wires in this mains lead are colored in accordance with the following code:

Green with or without yellow strip	Grounding
White	Neutral
Black	Live

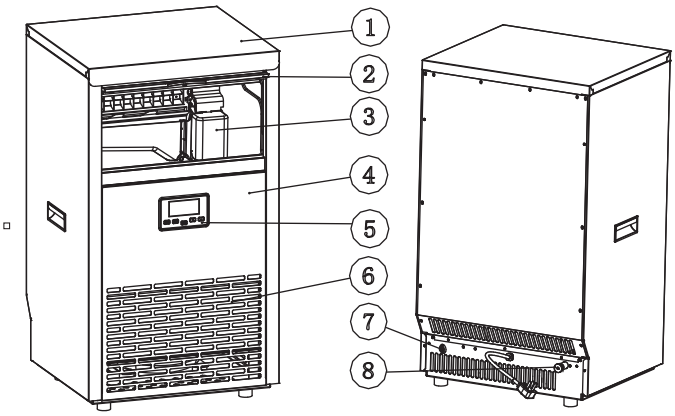
To avoid a hazard due to instability of the appliance, it must be placed at an even or flat surface.

KNOWING YOUR UNIT

· Dimensions



· Main Unit Construction

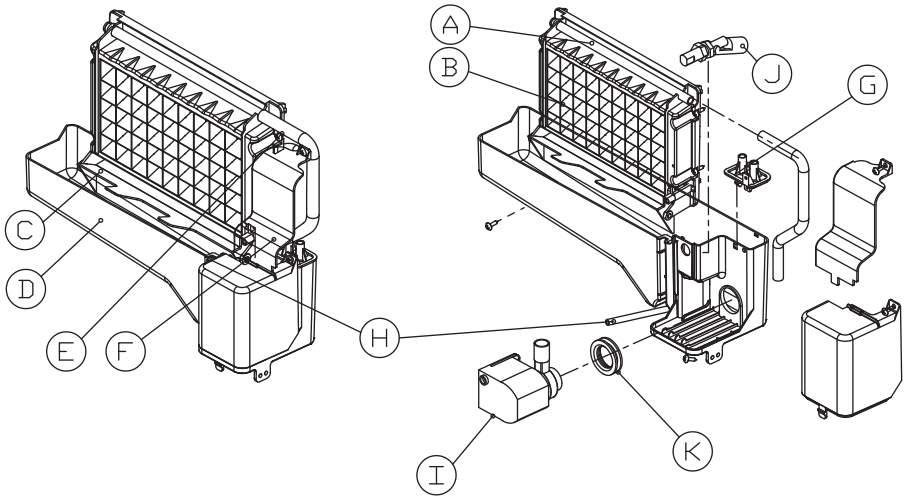


Part	
①	Top cover
②	Ice cabinet door
③	Ice-making & water tank assembly
④	Front panel
⑤	Operation panel
⑥	Air outlet
⑦	Water inlet port (connected with the water supply pipe)
⑧	Water drain port (connected with the drain pipe after unplugging the cap)

Accessory	
1	Ice shovel
2	Water drain pipe (Φ16mm bellows)
3	Water supply pipe (Φ6.35mm)
4	Quick connector of the water faucet

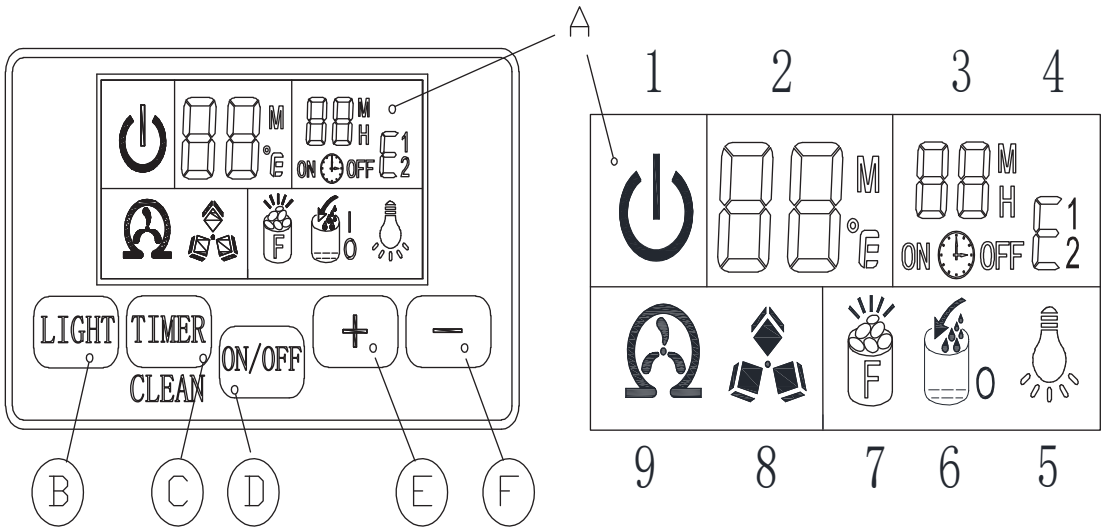
KNOWING YOUR UNIT

· Ice-Making & Water Tank Assembly



A. Water distribution pipe: There are 9 small holes through which water flows out during ice making. If any hole is clogged, it can be disassembled for cleaning.
B. Ice tray (Evaporator)
C. Ice-full detecting board: Used for ice-full shutdown and determining whether the ice-harvest process is completed.
D. Water tank
E. Water tank supply hose
F. Ice tray baffle
G. Water level switch mounting plate
H. Water tank drain hose: During ice making, the hose is clamped in the slot of the water tank wall. When draining the water tank, the hose can be pulled out and extended.
I. Circulating water pump
J. Water level detecting switch
K. Sealed silicone ring

· Operation Panel



KNOWING YOUR UNIT

A. LCD display window:

1. ON/OFF state display: When the unit is turned off (standby mode), this symbol flashes. When the unit is working, the symbol keeps lighting on.
2. Ambient temperature & ice-making countdown time display: Display ice-making countdown time with M as unit, and display ambient temperature with °F/°C as unit.
3. Ice-making time setting & timer setting display: Display ice making time setting with M as unit, and display timer setting with H as unit.
4. Error code display: E1 means faulty ambient temperature sensor. E2 means abnormal ice-making process.
5. Light display: It means that the LED light inside the cabinet is on.
6. Water flowing & water shortage display: The flashing arrow of this symbol means that the water is flowing in from main water supply. The whole symbol keeping on means that the machine is short of water.
7. Ice-full display: When the ice storing cabinet is full of the ice cube, this symbol keeps on and the unit will stop ice-making process.
8. Ice making & harvesting display: The rotating ice cube symbol means the unit is making ice. Flashing symbol means the unit is harvesting ice cubes.
9. Self-cleaning display

B. “Light” button:

Press the button once to turn on or off the internal LED light.

Press the button for longer than 5s, the temperature unit will automatically switch between Fahrenheit (°F) and Celsius (°C).

C. “TIMER/CLEAN” button:

Press once to enter the Timer setting program. Press the button for more than 5 seconds to enter the Self-cleaning program.

D. “ON/OFF” button:

When the unit is off, press the button to turn on the unit.

If the unit is set with a Timer, press the button to cancel the Timer.

During self-cleaning or normal ice-making state, press the button to turn off the unit at once.

During ice-making state, press the button for more than 5 seconds to switch to ice harvest program by force.

E/F. “+/-" button:

Press "+/-" once to increase/decrease the ice-making time by 1 minute (the default setting is 0) or increase/decrease the timer time by 1 hour.

BEFORE FIRST USE

· Unpacking Your Ice Maker

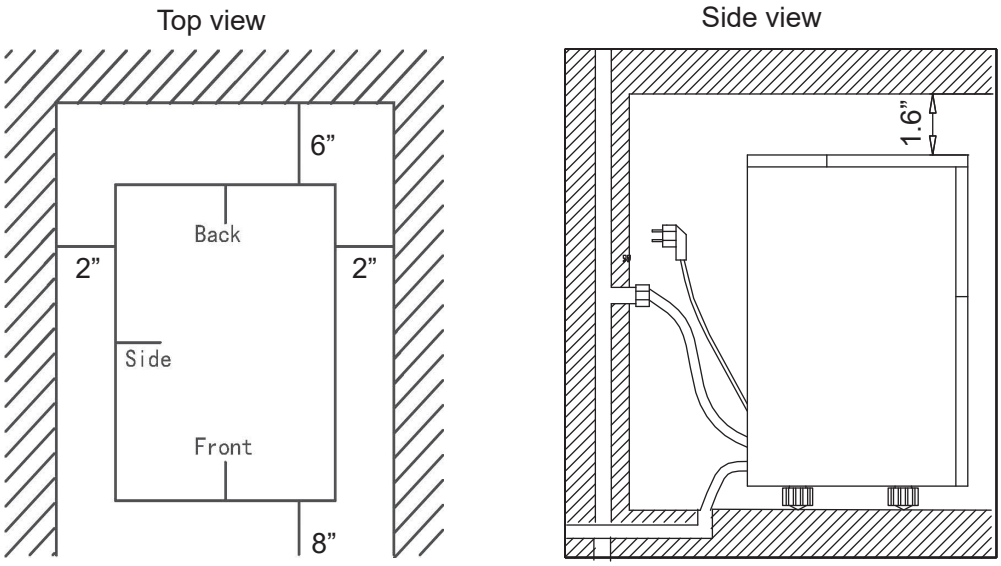
1. Remove the exterior and interior packaging. Check if all the accessories are complete. If any parts are missing, please contact our customer service.
2. Remove the tapes. Roughly clean the inner cabinet & ice shovel with a wet cloth.
3. Put the ice maker on a level & flat floor, without direct sunlight and other sources of heat (i.e.: stove, furnace, radiator). Make sure that there is enough space between the air outlet and the obstacles, and at least 2 inches between left/right side and the wall.
4. Allow 6 hours for the refrigerant fluid to settle before plugging the ice maker in because the unit may fall upside down during shipping or transportation.
5. The appliance must be positioned so that the plug is accessible.

WARNING: Connect to the potable water supplying only. Use drinking water only

· Location Requirement

a) This unit is not for outdoor use. Keep the proper room temperature and water temperature. Otherwise the ice making performance will be affected.
b) This unit should not be located near any heat resource.
c) The unit should be located on a firm & level foundation at normal counter top height.
d) There must be at least a 2-inch clearance on both sides and at the top for proper ventilation, at least a 6-inch clearance at rear for connection, and a 8-inch clearance at the front for good air circulation.
e) Do not put anything on the top of the ice maker.

Installation Clearance



To ensure proper ventilation for your ice maker, the top of the unit must be completely unobstructed (at least 1.6 inches free space). The installation should allow the ice maker to be pulled forward for servicing if necessary.

When installing the ice maker, follow the recommended spacing dimensions shown above. Place electrical and water supplies and drain fixtures in the recommended locations as shown.

Choose a well-ventilated area with temperatures above 50 Fahrenheit and below 90 Fahrenheit. This

unit MUST be installed in an area protected from the elements, such as wind, rain, water spray or drips. The ice maker requires a continuous water supply with pressure 1-8 Bar. The temperature of the water feeding into the ice maker should be between 41 Fahrenheit and 77 Fahrenheit for proper operation.

· Electrical Requirement & Connections

WARNING: THIS UNIT MUST BE EARTHED.

> **Electrical Shock Hazard**
> **Plug into a grounding wall outlet.**
> **Never remove the ground prong.**
> **Use separate power supply or receptacle.**
> **Never use an adapter.**
> **Never use an extension cord.**
> **Failure to follow these instructions can result in death, fire, or electrical shock.**

Before you move your ice maker into its final location, it is important to make sure you have the proper electrical connection.
It is recommended that a separate circuit, serving only your ice maker, be provided. Use receptacles that cannot be turned off by a switch or pull chain. If the supply cord or plug to be replaced, it should be done by a qualified service engineer.
This appliance requires a standard 110-120Volt, 60Hz electrical outlet with good grounding means.

Recommended grounding method

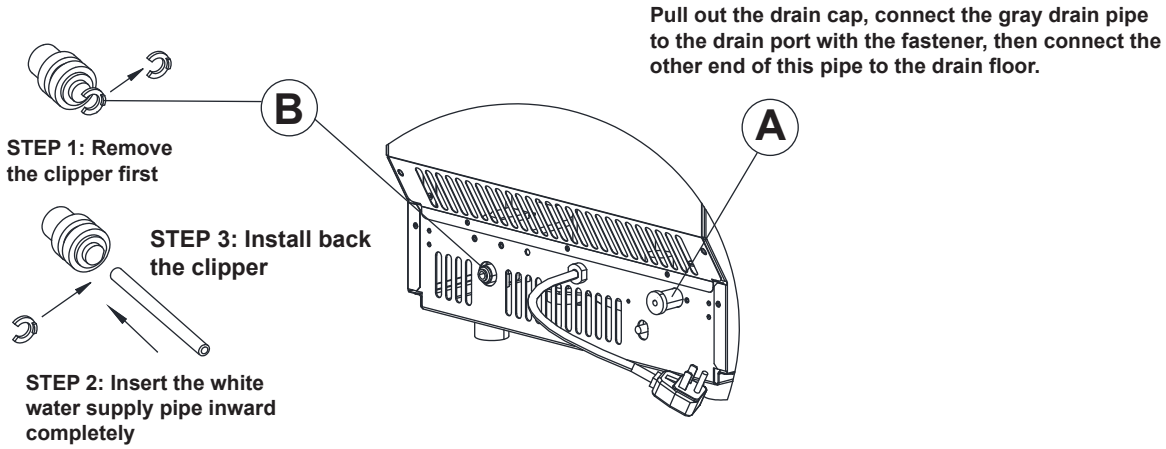
For your personal safety, this appliance must be properly grounded. This appliance is equipped with a power supply cord having a grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating grounding-type wall receptacle, grounded in accordance with the National Electrical Code and local codes and ordinances. If a mating wall receptacle is not available, it is the personal responsibility of the customer to have a properly grounding wall receptacle installed by a qualified electrician.

· Cleaning Before First Use

Before using your ice maker, it is strongly recommended to clean it thoroughly.
1. Open the ice cabinet door.
2. Clean with diluted detergent, warm water and a soft cloth.
3. Repeatedly clean the water contacting inner parts and dry them. You can pull the water drain pipe of the water tank to drain the cleaned water in the water tank, then next to clean inner ice-storing cabinet, until all of inner parts are clean, then drain out all of the cleaned water from the water drain port located at unit back. And must reinstall back the water drain pipe of the water tank and the cap of the unit water drain port, otherwise, the unit will not make the ice normally. **And highly suggest that you should discard the ice-cubes made during the first ice-making cycle after cleaning.**
4. The outside of the ice maker should be cleaned regularly with a mild neutral detergent solution and warm water.

5. Dry the interior and exterior with a clean soft cloth.

· Water Connection



NOTE: The picture is for reference only. The actual product shall prevail.

A. Connect the water drain pipe

Pull out the water drain cap (indicated “A”), then connect the water drain pipe to the drain port and connect the other end of the pipe to the drain pipeline.

B. Connect the water supply pipe

1. Connect the pipe to the unit

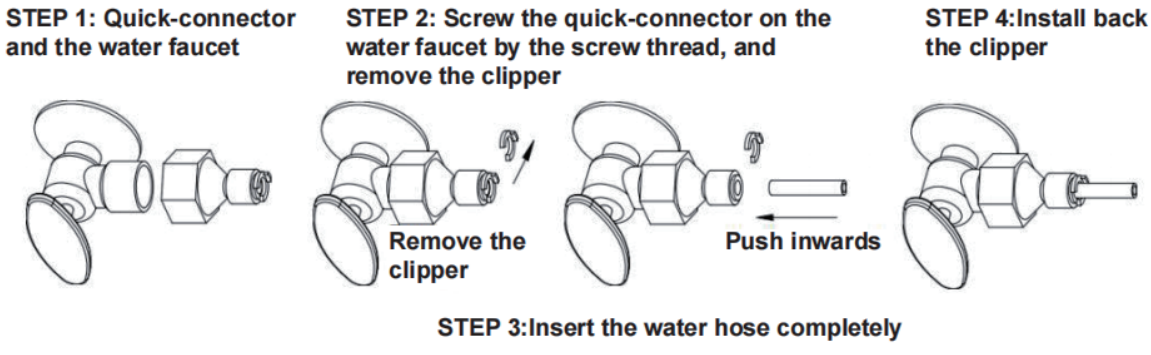
Remove the tape on the water inlet port (indicated “B”) located at unit back, remove the clipper. Insert one end of the water supply pipe into the water inlet port and push inward completely, then install back the clipper.

2. Connect the pipe to the water faucet of the water main supply system

Install the quick connector to the water faucet by screw thread, then remove the clipper from the quick connector. Insert the other end of the water supply pipe into the quick connector port completely, then install back the clipper **(As shown below.)**

Note: The water faucet should be supplied by the customer himself.

Important: The water pressure of main water supply system must be 0.04-0.6 MPa. If the pressure is too high, it should be installed with pressure decreasing valve first.



OPERATING YOUR UNIT

 Automatic water supplying symbol  Arrow of symbol flashes, means the water is flowing into the water tank.  If this whole symbol keeps displaying, means no main water supplying at present.

 Ice-cube symbol, when it rotate, means unit is making the ice cube; and it flashes, means the unit is in ice harvest process.

F Fahrenheit(ambient temperature） H unit of hour（setting the timer） M unit of minute （ice-making setting and countdown time）

1. After completing the connection of the main water supplying hose with the unit, plug on the main power supply plug. Then press “ON/OFF” button on the control panel to begin the ice making cycle. The unit ON/OFF state symbol will keep lighting on, the left number in the LCD display window displays the present ambient temperature, and the right number displays the present ice-making setting, and the ice-cube symbol rotates. When the left number change to flash, then the number means the countdown time to complete one ice making cycle.
2. Each ice making cycle will last about 11 to 20 minutes, depending on the ambient temperature and the water temperature. And for the first time, according to the initial water temperature, ice-making last time will be a little longer.
3. When the ice-making process is over, then switch to ice-harvest process. During the ice-harvest process, the ICE cube symbol change rotating to flash. At same time, the arrow on the manual filling water symbol will start to flash, the water will flow into the water tank again till the floating ball of water level switch rises up to the highest position, then the water stop flowing and the whole manual filling water symbol will disappear.

   When the ice-harvest finish, the Ice-full detecting plate will rotate downward once, then recover to the original position and enter to the next ice-making process.

   If after the rotation of the Ice-full detecting plate, it is pressed by the ice cube and can’t recover to the original position, means the the ice storage bin is full of the ice cube and it will stop making the ice automatically.

4. When the “ICE-FULL ” symbol display is on, the unit stops running. And if you move away the ice cube, the unit will start to make the ice cube again. But it will restart only after 3 minutes interval of compressor running.
5. During the ice-making process, press the “+” or “-” button to adjust the ice-making process duration period length, then to change the thickness of the ice cube. Press the “+” or “-” button, the right digit will flash, the default setting is zero, 1 minute will add or decrease to each ice making process per each pressing of “+” or “-” button. After 5 second of setting, the new setting will be remembered by the system.

6. The bad water quality will cause the bad quality of ice cube, and reduce the transparency of the ice cube.

Automatic self-cleaning program

Start the self-cleaning program: After connecting all of the water pipe, plug on the main power supply plug, then press "TIMER /CLEAN" button on control panel for more than 5 seconds, to enter the Self-Cleaning program. And the " " symbol will always be on during this period, the left digit will indicate the left time. The total duration time is 20 minutes for one self-cleaning program.

Cancel the self-cleaning program: It takes about 20 minutes to complete one self-cleaning program. When the program is over, the system will be in standby mode automatically. And also you can press the "ON/OFF" button on control panel to cancel the self-cleaning program by force.

Timer setting operation

Delay time range: 1-24 hours, Default time: 1 hour

How to set the ON-Timer: During the unit is in standby mode, press the "TIMER/CLEAN" button to set the ON-Timer. The " ON " symbol will start to be on, the number "1" above the symbol will flash to display the set delay time. During the number flashing, press"+"、"-" button to change the delay time of the timer, 1 hour increasing or decreasing per each pressing of "+" or "-" button. Five seconds after setting, your desired setting will be remembered.

How to cancel the ON-Timer: Press the "TIMER/TIMER" button, the number above the " ON " symbol will flash to display the present delay time of your ON-Timer, and press this button once again to cancel the Timer setting, also the " ON " symbol and the number will disappear. And the second easy way to cancel the ON-Timer is to press the "ON/OFF" button, it will cancel the ON-TIMER setting by force.

How to set the OFF-Timer: When the unit is working, press the "TIMER/CLEAN" button to set the OFF-Timer. The " OFF " symbol will start to be on, the number "1" above the symbol will flash to display the setting delay time. During the number flashing, press+"、"-" button to change the delay time of the timer, 1 hour increasing or decreasing per each pressing of "+" or "-" button. Five seconds after setting, your desired setting will be remembered.

How to cancel the OFF-Timer: Press the "TIMER/TIMER" button, the number above the " OFF "symbol will flash to display the present delay time of your OFF-Timer, and press this button once again to cancel the Timer setting, also the " OFF " and the above number will disappear; And also the second easy way to cancel the OFF-Timer is to press the "ON/OFF" button, it will cancel the ON-TIMER setting by force, also will turn off the unit.

OPERATING YOUR UNIT

Internal LED light operation

When the unit is plugged on, press the “LIGHT” button on the operation panel once to lighten the LED light inside the ice bin and the “” symbol on the LCD display window will also be on.

Press this button once again, the LED light and the “ ” symbol will be off at same time.

NOTE: If you press the “LIGHT” button for more than 5 seconds, the ambient can be changed between Centigrade degree and Fahrenheit degree（between ℃ and ℉）。

ERROR code of unit breakdown

When the unit is breakdown, the error code will display in the left side of LCD display window.

E1 means the sensor of ambient temperature is malfunction。

E2 means that ice making program is abnormal, including too big ice-cube,no ice falling off, or not making ice cube, etc.

NOTE: During the ice cube making process, press “ON/OFF” button for more than 5 seconds, the unit will jump into the ice-harvest process . After the ice harvest process is completed, the uni will recover to ice making process.

Water Drainage

Make sure the water drainage pipe has correctly connected at the unit back first.

A. You can drain the the water in ice bin through the white drainage pipe connected on the back drainage port. Make sure not to set the white drainage pipe too high.

B. For the water in the water tank,you can pull out the silicone pipe on the right side of the water tank indicating “H” in above illustration to drain out the cleaned water in the water tank, till the silicone pipe extend completely, the water can flow out to ice bin. Then the water can be drained out through the the water drain port at unit back.

Reminding: Clean the water tank frequently, it can improve the ice-cube quality and the unit and its water circulation pump can work much longer.

Normal Sounds

Your new ice maker may make sounds that are not familiar to you. Most of the new sounds are normal. Hard surfaces like the floor, walls and cabinets can make the sounds seem louder than they actually are. The following describes the kinds of sounds that might be new to you and what may be making them.

- You will hear a swooshing sound when the control valve opens to let water flow into the water tank for each ice-making cycle.
- Rattling noises may come from the flow of the refrigerant or the water line. Items stored on top of the ice maker can also make noises.
- The high-efficiency compressor may make a pulsating or high-pitched sound.
- Water running from the water tank to the evaporator plate may make a splashing sound.

OPERATING YOUR UNIT

- Water running from the evaporator to the water tank may make a splashing sound.
- As each cycle ends, you may hear a gurgling sound due to the refrigerant flowing in your ice maker.
- You may hear air being forced over the condenser by the condenser fan. During the harvest cycle, you may hear the sound of ice cubes falling into the ice storage bin.
- When you first start the ice maker, you may hear water running continuously. The ice maker is programmed to run a rinse cycle before it begins to make ice.

Preparing the Ice Maker for Long Storage

If the ice maker will not be used for a long time, or is to be moved to another place, it will be necessary to drain out all of the water in the system.

1. Allow all of the ice cubes have been ejected from the evaporator of ice maker.
2. Turn off the unit, and unplug the power cord.
3. Drain out all of the water inside the unit according to section "**Water Drainage**". When all of the water has been drained out, to install back the water drain pipe of the water tank..
4. Disconnect the water drainage pipe to the main drain pipeline or floor drain, plug on the drain cap again.
5. Drop the door open to allow for circulation and prevent from molding and mildewing.
6. Leave the power cord disconnected until ready to reuse.
7. Dry the interior & wipe the outside of the unit.
8. Put a plastic bag on the unit to resist out dust & dirty.

CLEANING & MAINTENANCE

WARNING:

Before carrying out any cleaning or maintenance operations, unplug the ice maker from the main power supply electricity. (EXCEPTION: Self-cleaning program)

This appliance must be cleaned by using a water jet. Do not use any alcohol or fume for cleaning/sanitization of the ice maker. It may cause cracks on the plastic parts.

Ask a trained service person to check and clean the condenser at least once a year, in order to let the unit work properly.

CAUTION

If the ice maker has been left unused for a long time, before the next use it must be thoroughly cleaned. Follow carefully any instructions provided for cleaning or use of sanitizing solution. Do not leave any solution inside the ice maker after cleaning.

Periodic cleaning and proper maintenance will ensure efficiency, top performance, hygienic, and long life. You may want to shorten the intervals if you have pets, or the unit is used outdoors, or there are other special considerations.

NOTE: Never keep anything other than the ice in the ice storage bin: objects like wine and beer bottles are not only unsanitary, but also their labels may slip off and obstruct the drain pipe.

CLEANING & MAINTENANCE

Exterior Cleaning

The door and cabinet may be cleaned with a mild neutral detergent and warm water solution. Do not use solvent-based or abrasive cleaners. Use a soft sponge and rinse with clean water. Wipe with a soft clean towel to prevent water spotting.

The side steel plate can discolor when exposed to chlorine gas and should be cleaned. Clean the steel plate with a mild detergent and warm water solution and a damp cloth. Never use abrasive cleaning agents.

Interior Cleaning

For Ice Storage Bin

The ice storage bin should be sanitized occasionally. Clean the bin before the ice maker is used for the first time and reused after stopping for an extended period of time. It is usually convenient to sanitize the bin after the ice making system has been cleaned, and the storage bin is empty.

1. Disconnect power to the unit.
2. Open the door and with a clean cloth, wipe down the interior with a sanitizing solution made of mild neutral detergent and hot water (95℉ to 115℉).
3. Rinse thoroughly with clear water. The waste water will be drained out through the drain pipe.
4. Reconnect power to the unit.

The ice scoop should be washed regularly. Wash it just like any other food container.

⚠ WARNING

DO NOT use solent cleaning agents or abrasives on the interior, These cleaners may transmit taste to the ice cubes, or damage or discolor the interior.

CLEANING & MAINTENANCE

Ice Making Parts Cleaning

During the using, periodically to clean these main system of your ice-maker.

1.Repeat above step to clean the water tank and other inner parts of the unit.

2.Especially, to the water dividing pipe on the evaporator, when the compressor and the water pump run normally, but if there is no water flowing out from the water dividing pipe or the water flowing is very small, please discharge this water dividing pipe to clean carefully. Clean each little holes on the water dividing pipe displayed in the following illustration, make sure each hole is not clogged by something, then install back to the original location.

3.The length of cleaning period is related to your water quality. And drain the water more frequently, the unit and its water pump can work much longer.

4.When there are ice cubes on the surface of the evaporator, but can't fall off easily, do not use the mechanical substance to remove it by force; Only press the "ON/FF" button for more than 5 seconds, the unit will enter the ice melting process, after some while, the big ice-cubes will fall down, then turn off the unit and unplug the power cord to clean the surface of the evaporator.

5.For the water tank and ice-full detecting plate

Also the water tank and the ice-full detecting plate is very important to keep your ice cube hygienic. Put mixture of neutral cleaner & water into a clean water jet, then spray to all the inner surface of tank & the ice detecting plate. Wipe these surfaces as far as possible with a clean cloth. And then, spray the surfaces with clean water, wiping with a dry clean cloth. Then drain out the cleaned water in the water tank by pulling out the Water drain pipe of the water tank indicating "H" in above illustration. When all of the cleaned water has been drained out, to install back the water drain pipe of the water tank.

Suggestion: After cleaning the interior parts and install back to its respective position, and return machine to work, discard first batch of ice.

Ice Making Assembly System Cleaning

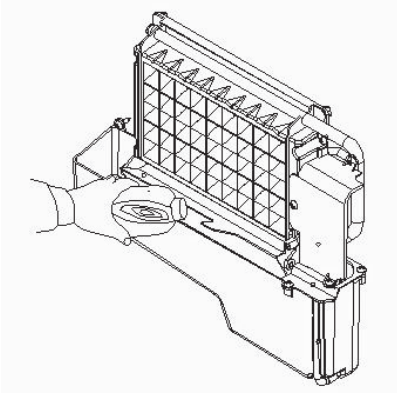
Minerals that are removed from water during the freezing cycle will eventually form a hard scaly deposit in the water system. Cleaning the system regularly helps remove the mineral scale buildup. How often you need to clean the system depends upon how hard your water is. With hard water of 4 to 5 grains/liter, you may need to clean the system as often as every 6 months.

1. Turn off the ice maker. Keep the ice maker connect to the water supply and drainpipe. But shut off the water faucet of main water supply.
2. Open the door and scoop out all of the ice cubes. Either discard them or save them in an ice chest or cooler.
3. Making the cleaning solution. Please mix the acid detergent (such as citric acid, white vinegar) with water to make the cleaning solution.

> **WARNING**
> Wear rubber gloves and safety goggles（and/or face shield）when handing Ice Machine Cleaner or sanitizer.

Use a plastic or stainless container with more than 4 liters capacity, mix the acid detergent (such as citric acid, white vinegar) with warm water about 120℉-140℉. Then divide them for 2 shares equally in 2 cups. It is better to keep the temperature of each cup of the cleaning solution.

4. Check to be sure that the water drain pipe of the water tank has been installed properly in the slot of the tank wall. Then Pour one cup of Cleaning Solution into the water tank. Wait about for 5 minutes.



5. Turn on the power to the ice maker, then press “TIMER/ CLEAN” button on control panel for more than 5 seconds, to enter the self-Cleaning program. Same as above explanation, the water pump runs for 8 minutes and stops for 3 minutes, one cycle, again one cycle. The total duration time is 20 minutes for one self-cleaning program.

During this process, the “ ” symbol will always be on during this period, and the digit window will indicate the left time,

6. After 20 minutes of one self-cleaning program completing, pull out the drain pipe of the water tank, drain the cleaning solution down to the lower ice storage bin. Shake the unit slightly to drain out all of the cleaning solution completely. Then install back the drain pipe to the slot of the water tank.
7. Repeat steps 4--6 to clean the ice making assembly system again.

⚠ WARNING

The ice machine cleaner contains acids.
DO NOT use or mix with any other solvent-based cleaner products.
Use rubber gloves to protect hands. Carefully read the material safety instructions on the container of the ice machine cleaner.
DISCARD the first batch of ice troduced after cleaning.

8. Then open the water faucet of the main water supply, Let the water flow in the unit. And press the "TIMER/CLEAN" button on control panel for more than 5 seconds, to enter the self-Cleaning program.
9. Same as above explanation, the water pump runs for 8 minutes and stops for 3 minutes, one cycle, again one cycle. The total duration time is 20 minutes for one self-cleaning program.
   During this process, the " Ω " symbol will always be on during this period, and the digit window will indicate the left time. Through this process, It will rinse the water dividing pipe, evaporator, water pump, silicone pipe, and water tank, etc..
10. After one self-cleaning program complete, then pull out the drain pipe of the water tank, drain the cleaning solution down to the lower ice storage bin, also shake the unit slightly to drain out all of the water completely. Then install back the drain pipe to the water tank slot tightly.
11. Repeat the step 8-9 again for 2 times.
12. Following the above program to clean the ice storage bin .
13. Then this special cleaning program finish, you can return to the regular ice making mode. And suggest to discard the first batch of ice cube.

Cleaning Suggestion

1) DAILY CLEANING

The ice shovel, door and the water dividing pipe should be cleaned by yourself per each day. At the end of every day, rinse the ice shovel and wipe the both sides of the door with a clean cloth.

2) SEMI-MONTHLY CLEANING

The ice shovel, ice bin, water tank, the ice-full detecting plate and the surface of the evaporator are to be cleaned by yourself semi-monthly according to interior cleaning program.

TROUBLE SHOOTING

Problem	Possible Cause	Solution
The whole "  " symbol is always on.	No water in unit	The main water pressure is too low or the water supplying hose is blocked. Check them and increasing the water pressure and clean the supplying hose
	Floating ball of the water level detecting switch is blocked, can't be raised up	Clean the water tank and the water level detecting switch。
	Water flows out from the side of the water tank	Place the unit on the level position, not on the slope。
	Water flows out from the water drain pipe of the water tank.	Pull out the pipe and install back to the right side slot of the water tank properly.
The unit enter the ice making process, but no water flowing in the unit, and the whole "  " symbol is on.	No water in water tank, or the water supplying problem , or the silicone pipe of water tank isn't on the correct position.	The main water pressure is too low or the water supplying hose is blocked. Check them and increasing the water pressure and clean the supplying hose。 The silicone pipe of water tank should be clamped in the slot of the water tank side.
Water pump work, but no water flow out from the water dividing pipe	The little holes on the water dividing pipe is blocked.	Clean these little holes.
Water circulation pump doesn't work	Some special substance in water tank block the pump blade.	Clean the water tank and the water pump
The transparency of the ice cube is not very good	Water quality is bad	Use the water filter or water purifier to soften or filter the water.
Ice cube shape is irregular	Water quality is not good or the water tank is very dirty	Clean the water tank, and change with new water.。
	The little holes on the water dividing pipe is some blocked	Clean the water dividing pipe， make sure all nine holes are unclogged
Ice cube is very thin	Ambient temperature is too high	Move the unit to low temperature space, or lengthen the time of each ice making cycle.
	Air circulation around the unit is not goog	Make sure there is enough space between the unit back & front and the obstacle
Ice cube is too thick	Ambient temperature is too low	Reduce the time of each ice making cycle.
"  " symbol is on	The ice storage bin is full of the ice cube.	Take out some ice cube
Ice making cycle is normal, but there is no ice cube produced	The temperature of ambient, or water in water tank is too high	Move to the place with temperature lower than 90 Fahrenheit, and change to the low temperature water
	Refrigerant leakage, E2 error code display	Need the technical serviceman to maintain
	Cooling system tube is clogged	Need the technical serviceman to maintain

ROWAN ELECTRIC APPLIANCE LLC

8:30am-5:30pm P.S.T.
Monday to Friday