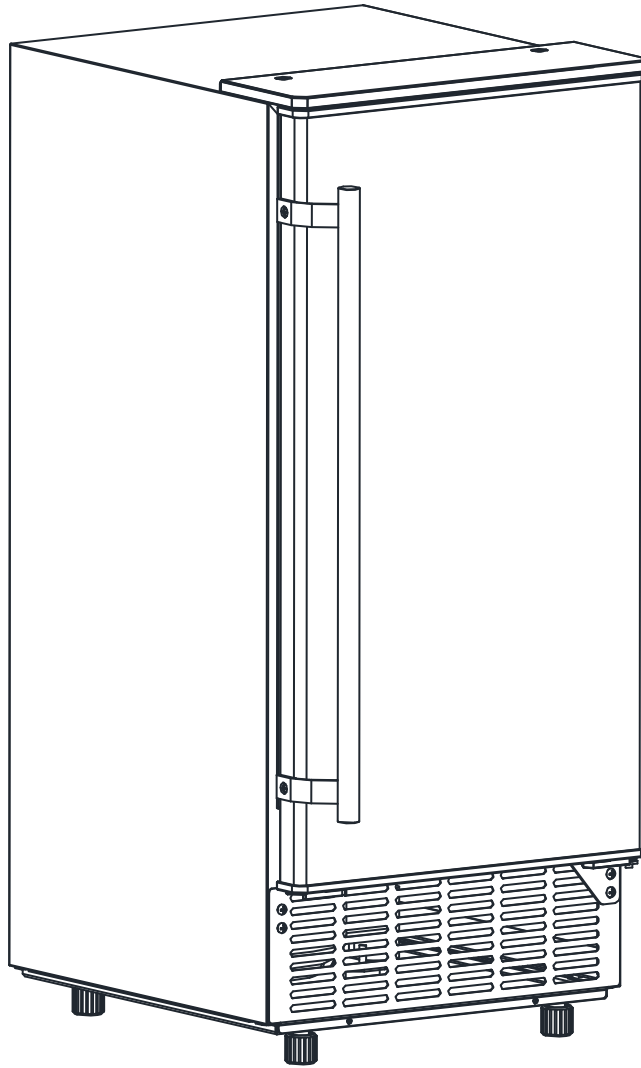


Automatic Ice Maker

User Manual



HBZB-36F

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IMPORTANT SAFETY 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 the cord away from traffic areas, and do not submerge it 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, the cord must be of No.14AWG minimum size with its rated watts no less than 1875W.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.

Disconnect the mains plug from the supply socket when it is not in use for a long term. Remove the power plug or disconnect it 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 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 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 liquids other than water to make ice cubes.

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.
- **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. Disposal 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 needs to be maintained, components replacing and servicing shall be done by authorized service personnel so as to minimize the risk of possible ignition due to incorrect parts or improper service.**
- **WARNING: Keep ventilation openings in the appliance enclosure or in the built-in structure clear of obstruction.**
- **WARNING: This appliance is intended to be used in household and similar places such as:**
 1. staff kitchen areas in shops, offices and other working environments;
 2. farmhouses, hotels, motels and other residential places;
 3. kitchen in a shop, office, or other workplace;
 4. catering and similar non-retail places.

IMPORTANT:

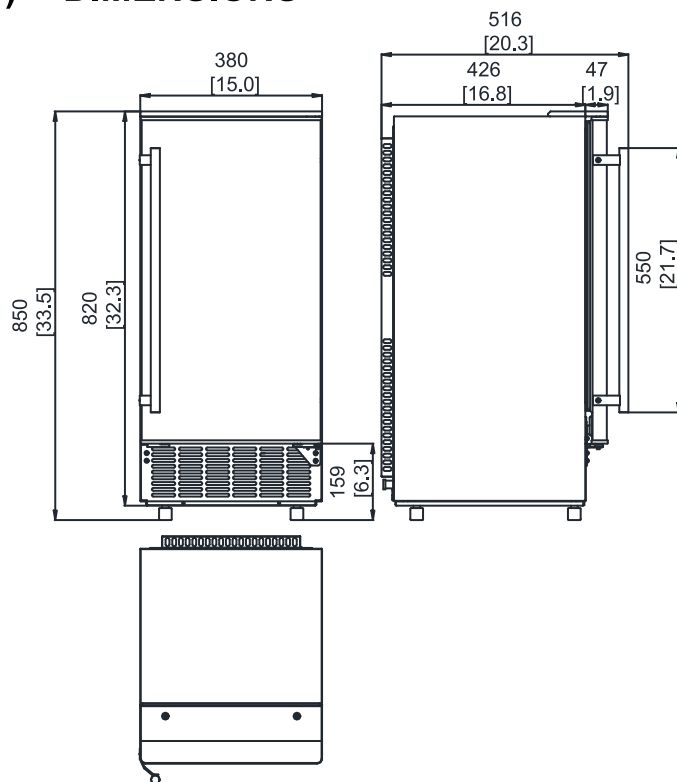
The wires in this mains lead are colored in accordance with the following codes:

Green or Green with a yellow strip:	Grounding
White:	Neutral
Black:	Live

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

SPECIFICATIONS

1) DIMENSIONS



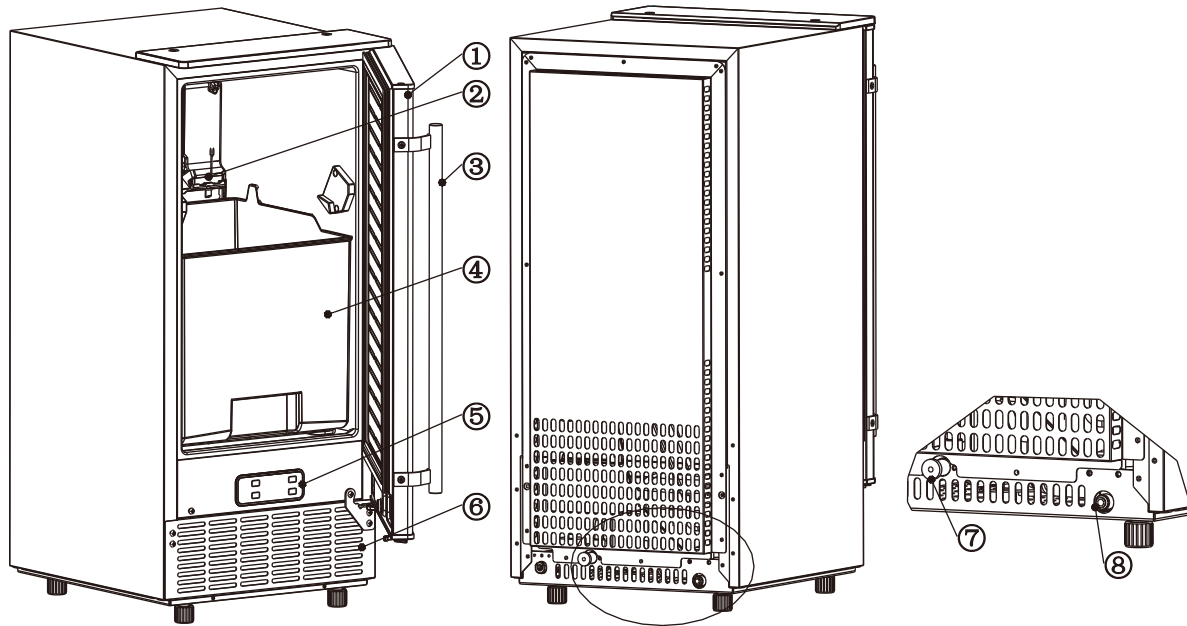
2) Rating

MODEL	HBZB-36F
POWER SUPPLY VOLTAGE	1Phase, 115V/60Hz
CLIMATE	50 – 104°F
ELECTRICAL PROTECTION CLASS	I
ICE-MAKING RATING (Amps)	2.6Amp
ICE-COLLECTING RATING (Amps)	3.0Amp
ICE-MAKING CAPACITY (lbs/24H)	80 lbs/24H
REFRIGERANT CHARGE	R290 2.65Oz/75g
NET WEIGHT (lbs)	52.5lbs
FOAMING AGENT	C ₅ H ₁₀
UNIT DIMENSIONS (W X D X H) (inch)	15 x 20.3 x 33.5
MAX ICE STORAGE CAPACITY (lbs)	25 lbs
ACCESSORIES	SHOVEL, INSTALLATION KITS, HANDLE
CONNECTION	POWER CORD — 18 AWG WATER SUPPLY — Diameter: 0.25 inches DRAIN (BACK SYLPHON BELLOWSS) — Diameter: 0.63 inches
RUNNING CONDITIONS	ROOM TEMPERATURE: 50 – 110°F WATER SUPPLY TEMPERATURE: 41 – 95°F WATER SUPPLY PRESSURE: 0.04 – 0.6 MPa

NOTE *: TESTED AT 70°F ROOM TEMPERATURE AND 50°F WATER TEMPERATURE.

GENERAL INFORMATION

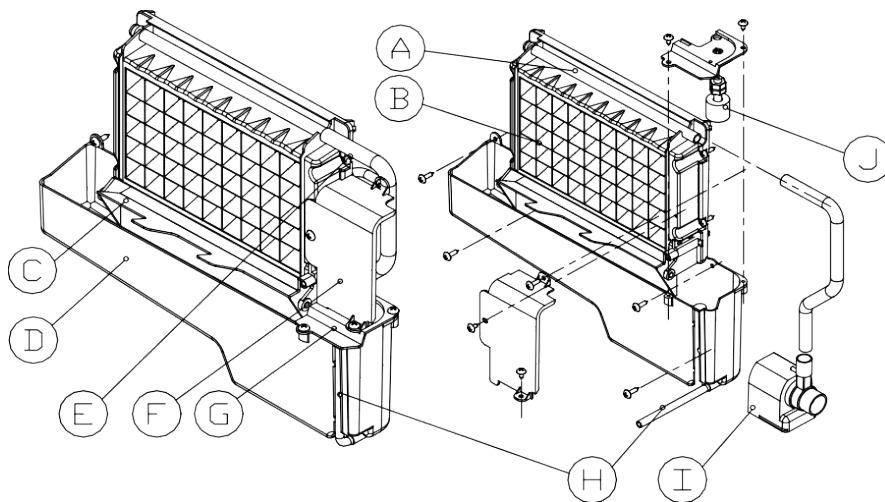
1) Main unit construction



1. Door
2. Ice-making parts & its water tank assembly including ice-making evaporator, water tank, water pump and some detecting parts
3. Handle
4. Ice tank
5. Operation panel
6. Air outlet: Keep the air circulating smoothly because hot air circulates when the unit is running.
7. Water drainage aperture: The aperture is plugged with a cap. Connect the white drain pipe and unplug the cap to drain water.
8. Water inlet port for water supply: It is used to connect the water supply pipe.

Accessory: 78.74-inch-long water drain pipe quick water connector of the water faucet
118.11-inch-long white water supply pipe whose diameter is 0.25 inches

2) Ice-making parts and the water tank



- A. Water dividing pipe: There are nine little holes, and water will flow out from these little holes. If no water flows out, it should be disassembled and cleaned.
- B. Evaporator (ice-making module)
- C. Ice full detecting board: It is used to detect whether the inner cabinet is full of ice or not, and to check whether the ice-collecting process is over or not.

- D. Water tank
- E. Water supplying pipe
- F. Cover board on the right side of the evaporator
- G. Installing plate of the water level switch
- H. Drain pipe of the water tank: When making ice, this pipe should be clamped in the slot of the water tank wall; and when draining, this pipe should be pulled out.
- I. Water pump
- J. Water level detecting switch

3) Operation panel

A. "TIMER CLEAN" button:

Quickly press this button once to enter the Timer setting program; press this button for more than 5 seconds to enter the cleaning program.

B. "ON/OFF" button:

When the unit is off, press this button to turn on the unit. The unit can be turned off immediately by pressing this button during self-cleaning and ice-making process. Pressing this button can also cancel the timer setting. Moreover, when the unit is making ice, press this button for more than 5 seconds to switch the unit to collect ice.

C. LCD display window

1. Environmental temperature display and ice-making time countdown display. "M" indicates the countdown of ice-making, and "F" indicates the ambient temperature.

2. Indicator of ice-making and deicing process. Rotating indicator shows that the unit is making ice. If the indicator flashes, the unit is deicing.

3. Automatic self-cleaning symbol display

4. On/off symbol display

5 Error code display. E1 means the environmental temperature sensor is damaged; E2 means abnormal ice-making process which may result from refrigeration system breakdown.

6 Water flowing in and water shortage display. The arrow will flash indicating that water is flowing into the machine; the shining whole symbol indicates that the unit lacks water.

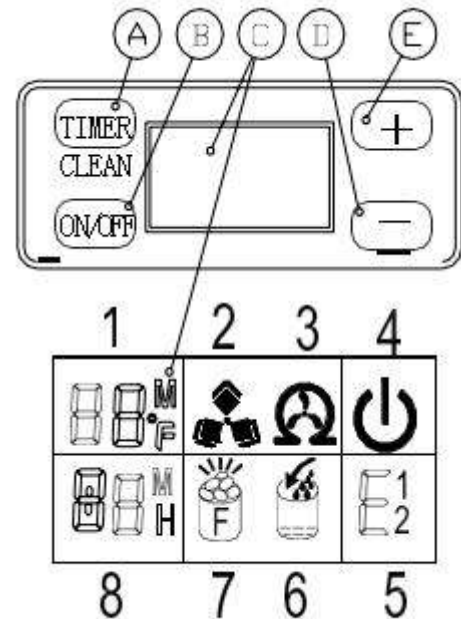
7. Ice full alarm. The machine will make ice again when you take out the ice.

8 Setting display. When you see a number followed by "H" on the display, it's the time set for timing power-on or power-off. When you see a number followed by "M" on the display, it's the time duration for ice-making process.

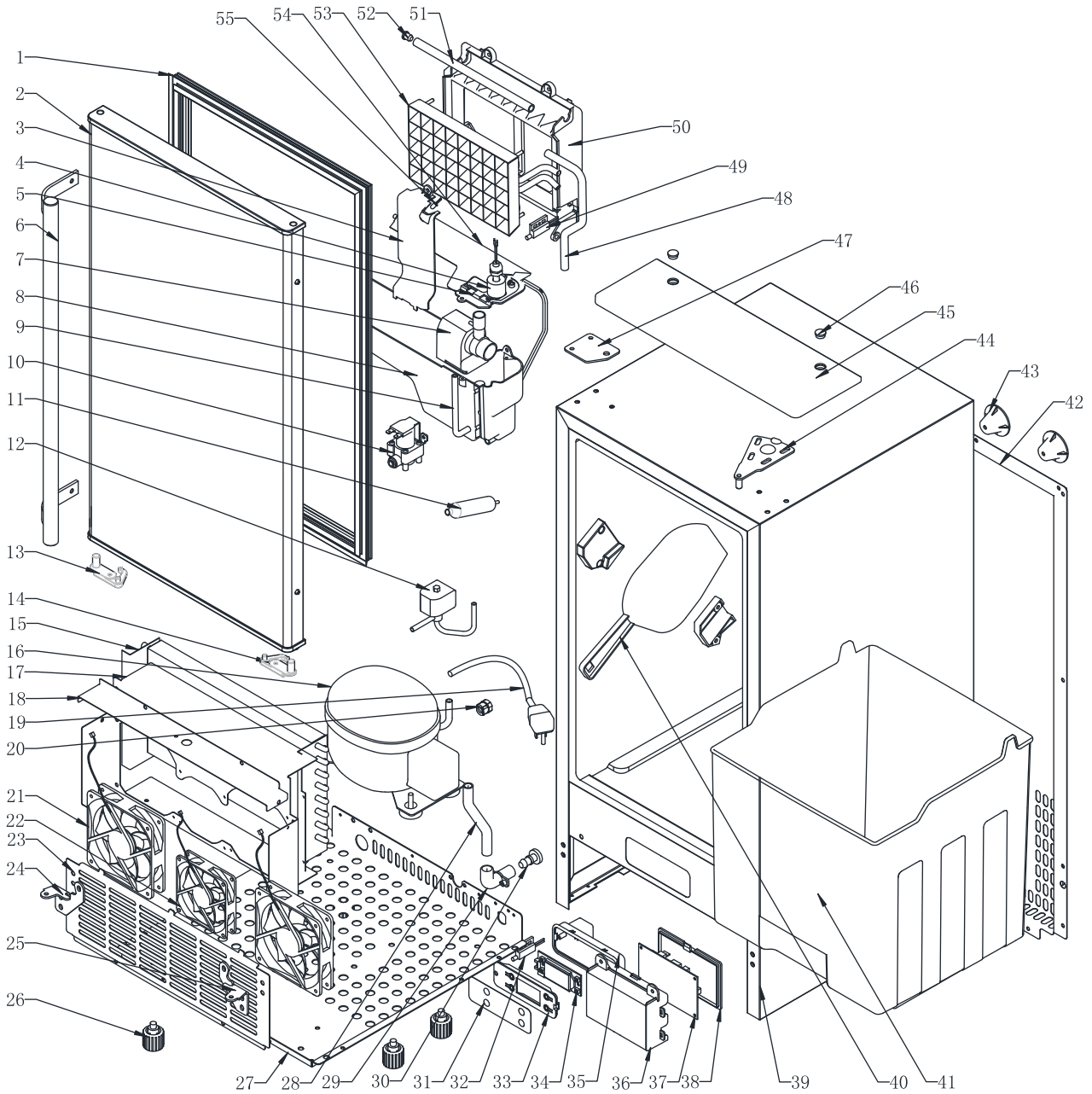
9 "+" & "-" button: "D" refers to "+", and "E" refers to "-".

They can be used to adjust the ice-making time. The default setting is zero. Press the "+" or "-" button once to increase or decrease 1 minute.

They can be used to adjust the delay time of the timer. The default setting is zero. Press the "+" or "-" button once to increase or decrease 1 hour.



4) Exploded drawing



NO.	Part Name	Specifications	Qty
1	Door seal	PVC	1
2	Door	SUS & Foams	1
3	Water tank side cover	ABS White	1
4	Float switch	Electrical part DC5V	1
5	Water tank cover	ABS White	1
6	Handle	SUS	1
7	Pump	Electrical part AC115V	1
8	Water Tank	ABS White	1
9	Drain tube for water tank	Silicone tube, FDA	1
10	Water inlet solenoid	Electrical part DC12V	1
11	Filter Dryer	Copper and dryer	1
12	Solenoid valve for ice release	Electrical part AC115V	1

13	Left fix piece (self-locking piece for the door)	POM	1 (accessory)
14	Right fix piece (self-locking piece for the door)	POM	1
15	Condenser	Copper and aluminum	1
16	Compressor & accessory	Electrical part AC115V	1
17	Fan plate	Zinc-Plate sheet $\delta=0.8$	1
18	Fan plate cover	Zinc-Plate sheet $\delta=0.6$	1
19	Power cord and Plug	Electrical part AC115V	1
20	Strain relief bushing	PP black	1
21	Fan	Electrical part DC12V 120mm	2
22	Fan	Electrical part DC12V 90mm	1
23	Air outlet panel	SUS430 $\delta=0.8$	1
24	Left bottom hinge	SPCC $\delta=2.5$ mm Chrome Plated	1 (accessory)
25	Right bottom hinge	SPCC $\delta=2.5$ mm Chrome Plated	1
26	Adjustable foot	M8*30mm	4
27	Bottom plate	Zinc-Plate sheet $\delta=1.2$	1
28	Drain tube on liner	Silicone tube, FDA	1
29	Water drainage port	ABS Gray, FDA	1
30	Water drainage cap	Rubber Black	1
31	Operation panel paper	PET, thickness 0.25mm	1
32	Control switch for Led light	Electrical part DC5V	1 (assortative)
33	Fix board for operation panel PCB	ABS Black	1
34	Operation panel PCB	Electrical part DC5V	1
35	Operation panel PCB box	ABS Black	1
36	Main PCB box	ABS 5V Black	1
37	Main PCB	Electrical part AC115V	1
38	Main PCB cover	ABS 5V Black	1
39	Foaming cabinet	Sheet metal + foams	1
40	Ice scoop	ABS White	1
41	Ice basket	PP White	1
42	Back-cover plate	Zinc-Plate sheet $\delta=0.6$	1
43	Back support column	PP Black	4
44	Top hinge	SPCC $\delta=2.5$ mm Zinc-plated	1
45	Top cover	ABS Black	1
46	Screw hole cover	ABS Black	1
47	Fix plate (supporting piece for the top cover)	SPCC $\delta=2.5$ mm Zinc-plated	1
48	Water outlet tube from the pump	Silicone tube, FDA	1
49	Magnet switch	Electrical part DC5V	1
50	Evaporator frame	ABS White	1
51	Water dividing pipe, eight holes	ABS White	1
52	Cap of the water dividing pipe	Silicone, FDA	1
53	Evaporator	Copper Nickel plated	1
54	Ice full detecting plate	ABS White	1
55	LED light	Electrical part DC5V white light	1

OPERATING PROCEDURES AND MAINTENANCE

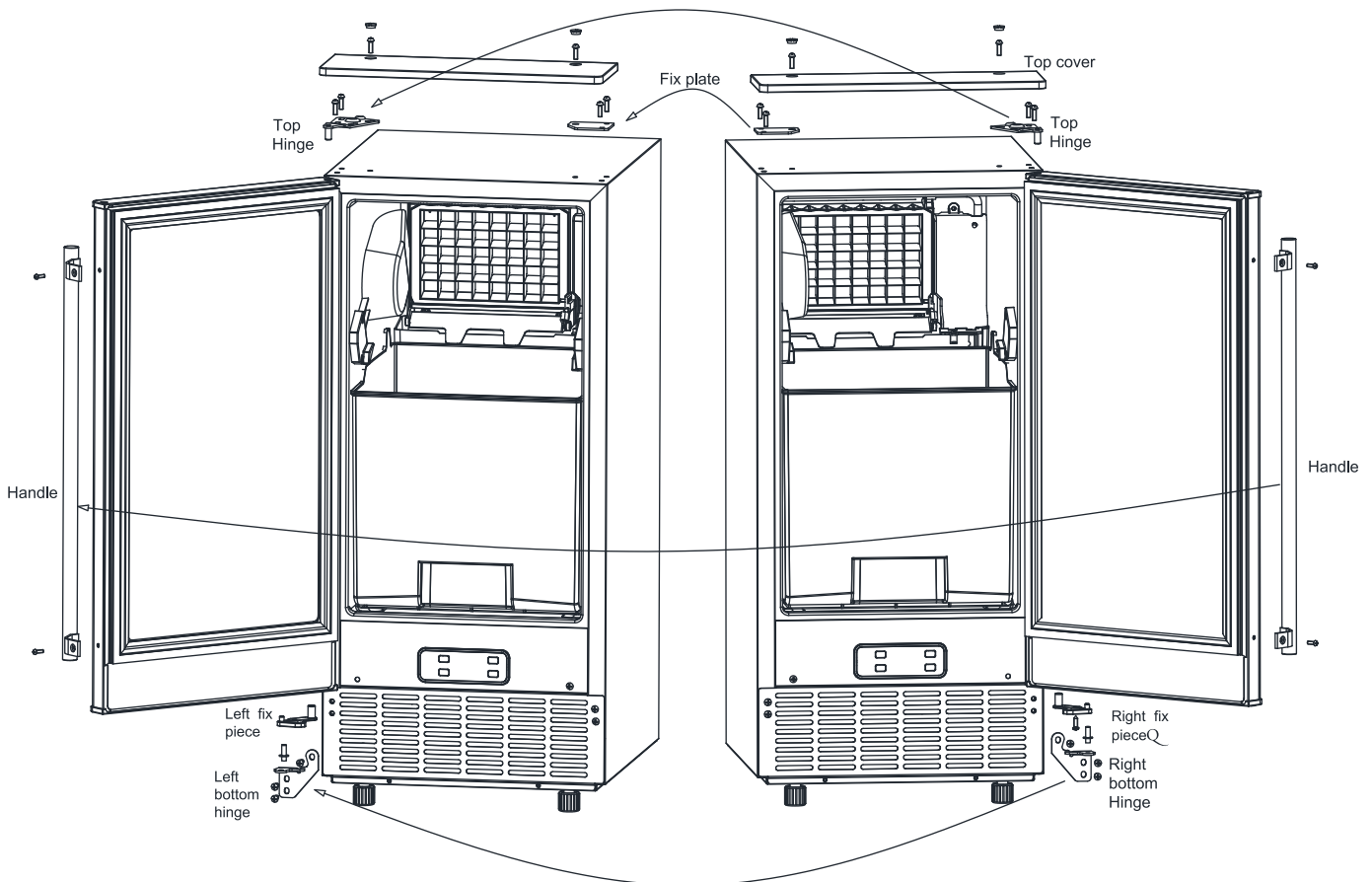
UNPACKING YOUR ICE MAKER

1. Remove the exterior and interior packaging. Check if all the accessories are inside or not including the instruction manual, ice scoop, white water inlet pipe, the water draining pipe, the quick connector (connecting a 1/4-inch connector with a 1/2-inch one), etc.. If any parts are missing, please contact our customerservice.
2. Remove the tapes for fixing the door, inner cabinet, ice scoop, etc. Roughly clean the inner cabinet and ice scoop with wet cloth.
3. Put the ice maker on a level and flat floor without direct sunlight and other sources of heat (i.e.: stove, furnace, radiator). Make sure that there is a 20-inch gap between the air outlet and the obstacles, and at least 2 inches between the wall and the ice maker.
4. Allow 4 hours for the refrigerant fluid to settle before plugging in the ice maker as the unit could fall upside down during shipping or transportation.
5. The position of the appliance must ensure that the plug can be reached.

WARNING: Connect to the potable water supplying only. Only use drinking water.

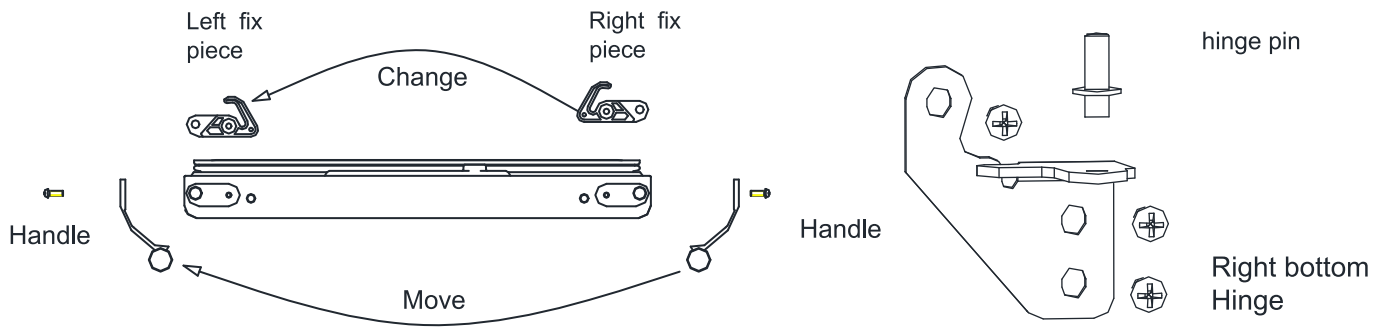
DOOR REVERSING (Optional)

If you want the refrigerator door to open from the opposite side, you can reverse the door swing.

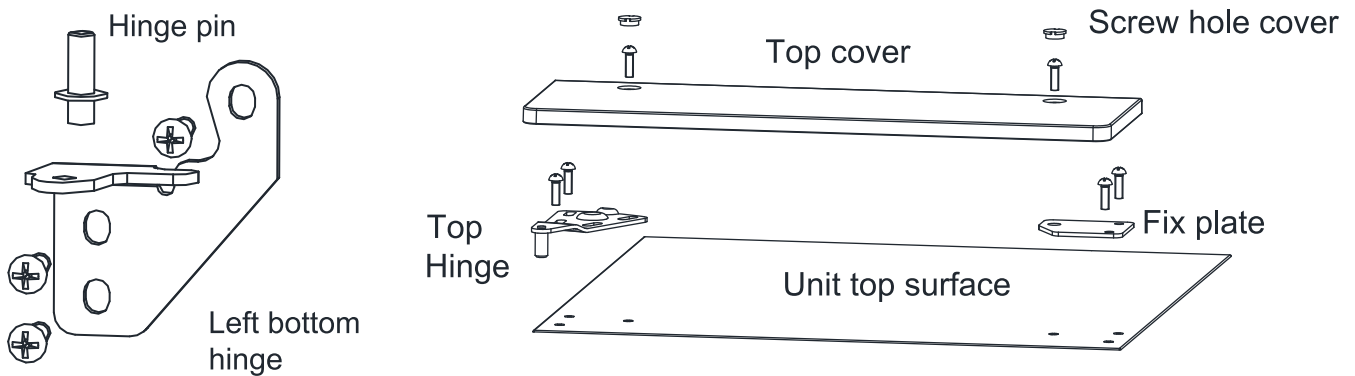


1. Ensure the unit is unplugged before starting door reversal.
2. Remove the 2 screw-hole covers on the top cover by unscrewing two screws which fix the top cover.
3. Remove the 2 screws from the top hinge and the 2 screws from the fix plate.
4. Lift the door up and take off the door.
5. Set the door on a non-scratching surface with the outside facing upwards.

6. Release the 2 screws on the handle and fix them on the opposite side of the door. Remove the screw to dismantle the right fix piece, and then fix the left fix piece (you can find it in the accessory bag) to the door.



7. Remove the right bottom hinge by removing 3 screws, and then fix the 3 screws back without the hinge.
8. Remove the hinge pin on the right bottom hinge and reinstall it on the left bottom hinge.
9. Remove 3 screws from the left side and fix the left bottom hinge on the unit.
10. Place the door on the left bottom hinge. With the magnetic gasket holding the door in place, make sure the door is aligned with the unit, and secure the top hinge on the left with 2 screws.
11. Open and close both doors several times to confirm the door is positioned correctly and the gasket is sealed well. If not, please adjust the door again.
12. Fix the Fix plate (the supporting piece for the top cover) back on the right side. Fix the top cover with 2 screws, and cover the screw holes with the screw hole cover.
13. Wait at least 30 minutes before plugging in the refrigerator to allow the refrigerant to settle down. Then plug in the unit.

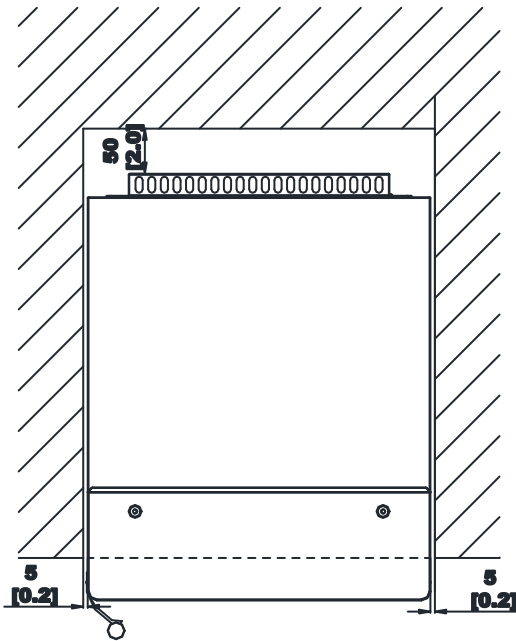


REQUIREMENT OF INSTALLATION LOCATION

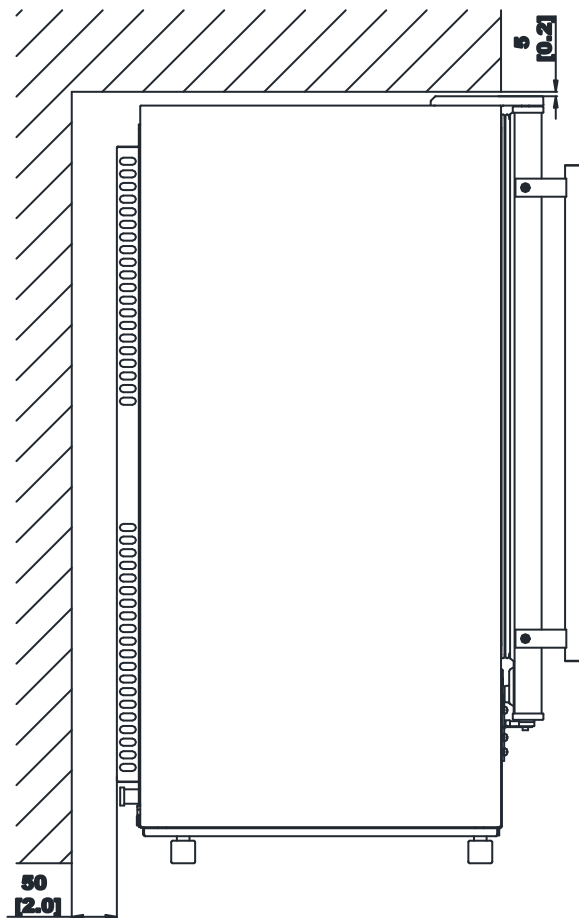
- a) This unit is not for outdoor use. Keep the proper room temperature and inlet water temperature according to above specification table. Otherwise, it will affect the ice-making performance.
- b) This unit should not be located near any heat sources.
- c) The unit should be located on a firm and level foundation at the normal height of a counter top.
- d) There must be at least a 2-inch clearance at rear side for connection and a 10-inch clearance in the front to open the door and keep good air circulation.
- e) Do not put anything on the top of the ice maker.

Installation clearance

top view (mm [inch])



Side view (mm[inch])



To ensure proper ventilation for your ice maker, the front of the unit must be completely unobstructed (at least a 16-inch free space). Allow about 0.2 inches clearance at rear, and 0.2 inches at top for proper air circulation. The installation should allow the ice maker to be pulled forward for servicing if necessary.

When installing the ice maker under a counter, 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 °F and below 90 °F. 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 1-8 bar pressure as required in above specification table. The temperature of the water flowing into the ice maker should be between 41°F and 77°F for proper operation.

ELECTRICAL REQUIREMENT & CONNECTIONS

WARNING: THIS UNIT MUST BE EARTHED.

Electrical Shock Hazard

Plug into a grounding wall outlet.

Never remove the grounding 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 to 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 needs to be replaced, it should be done by a qualified service engineer.

This appliance requires a standard 110-120Volt, 60Hz electrical outlet with proper 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, and 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 YOUR ICE MAKER BEFORE THE FIRST USE

Before using your ice maker, it is strongly recommended to clean it thoroughly.

Open the door of the ice maker.

1. Clean with diluted detergent, warm water and a soft cloth.
2. Repeatedly clean the water contacting inner parts. You can pull out the water drain pipe of the water tank (the "H" part in above illustration) to drain the water. Clean the inner ice-storing cabinet until all of the inner parts are clean. Then drain out all the used water from the water drain port located at the back of the unit (the "7" part in above illustration). After that, reinstall the water drain pipe. Otherwise, the unit will not make the ice normally. It is recommended that the ice made in the first ice-making cycle after cleaning should be discarded.
3. The outside of the ice maker should be cleaned regularly with a mild detergent solution and warm water.
4. Dry the interior and exterior with a clean soft cloth.

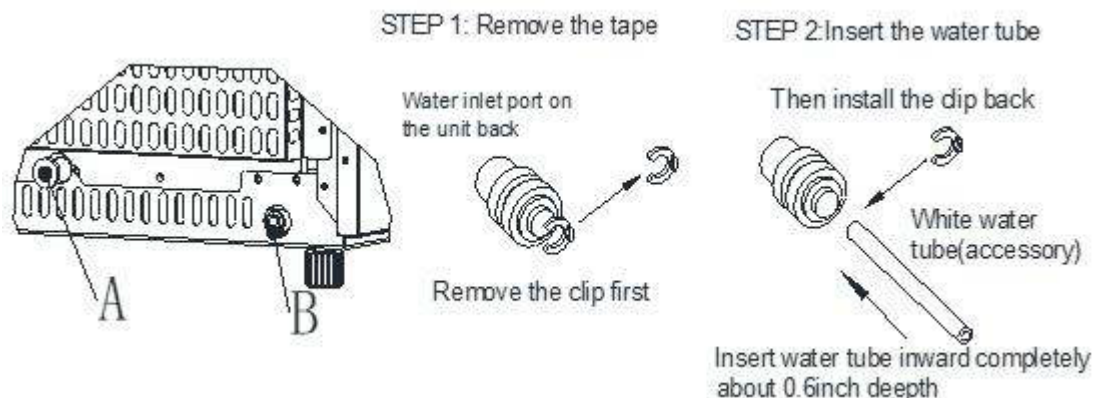
WATER CONNECTION FOR YOUR ICE MAKER

Important: Be sure to use the new hose-sets supplied with the appliance to connect to water mains, and the old hose-sets should not be reused.

1. Connect the water supplying hose to the unit

Step 1: First, remove the tape on the water inlet port for water supply (as shown in figure "B" below) located at the back of the unit.

Step 2: Insert one end of the white water hose into the water inlet port, and push it inward completely. Next, reinstall the clipper, and then the water hose connection is completed.



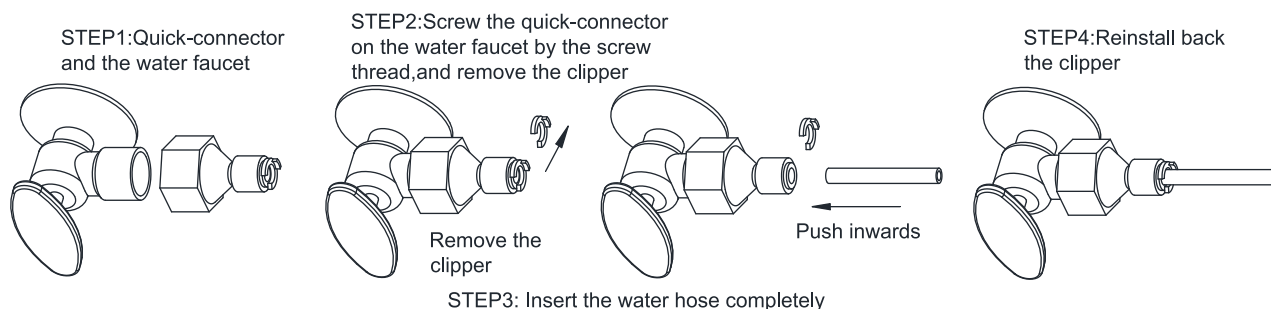
2. Connect the water drain pipe

Pull out the black water drainage cap (indicating Ⓐ in above illustration), and then connect the white drainage pipe included in the accessory. Next, connect the other end of this drainage to the main water drainage pipeline.

3. Connect the water hose to the water faucet of the water main supply system

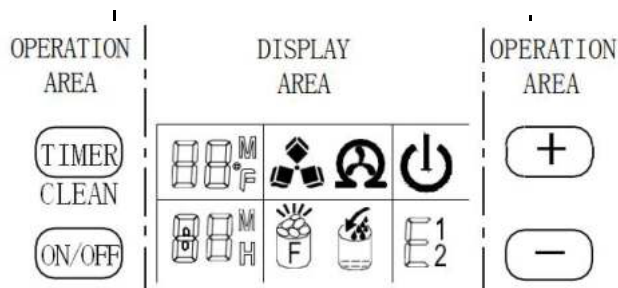
First, install the supplied water quick connector to the water faucet by screwing the thread; Second, remove the clipper from the water quick connector, insert the other end of the water hose into this quick connector port completely, and then reinstall the clipper. Note: The water faucet should be supplied by the customers themselves.

Important: The water pressure of main water supply system must be 0.04-0.6 MPa at least.










OPERATING YOUR UNIT


Operation button and display area diagram



OPERATION OF ICE-MAKING PROCESS

- Start up:** Plug in the power plug, and the  symbol will flash in the display window. Press the ON/OFF button on the control panel. The machine will start to make ice when the external pipe adds water to reach the standard level on the water tank through the electromagnetic water valve. Thereafter, the  symbol will stay bright constantly on the display window and  symbol will rotate. The ambient temperature will be displayed on the upper left of the display window. “80°F” means the ambient temperature is 80°F. Several minutes later, the flashing numbers will be displayed in the ambient temperature display area, and the flashing number “10M” means the unit still needs 10 minutes to finish this ice-making cycle.
- When the ice-making cycle finishes, the unit enters deicing process, and the symbol  flashes. Next, the external pipe adds water to the water tank through the electromagnetic valve, and the arrow on the  symbol will flash until the water reaches the standard level. Finally, the  symbol extinguishes, and the unit enters the next ice-making cycle. When the water cannot reach the standard level, the  symbol is always bright, and the unit stops working. Restart the unit if there is a shortage of water; otherwise it will start up automatically after 15 minutes.

Note: Each ice-making cycle lasts between 11 and 20 minutes. The ice-making time varies according to the changes of ambient temperature and the water temperature, especially in the first ice-making cycle. The ice-making cycle will be longer because of the high water temperature in the water tank, but it will not exceed 30 minutes.
- Adjust the ice thickness:** Press the “+” and “-” button on the control panel to adjust the ice thickness. The number in the left bottom of the display window is the setting of the ice-making time, and the default setting is “0.” To produce thicker ice, add one minute of ice-making time by pressing “+” button once; in contrast, to produce thinner ice, reduce one minute of ice-making time by pressing “-” once. Restart the machine and it will go back to the default setting of “0”.

Note: The time currently set only operates at the next and the subsequent ice-making cycles.
- When the  symbol lights up, the machine stops working, and it will work again after you take out the ice.
- Shut down the unit:** During the ice-making process, press the “ON/OFF” button on the control panel to shut down the unit and the unit enters the standby mode. If you press "ON/OFF" longer than 5 seconds during the ice-making process, then the unit enters the deicing process directly. This function can help remove the ice on the ice plate. Press "ON/OFF" to shut down the machine.

6. **Timing setting: Setting range:** 1-24 hours

Time shutdown: When the unit is running, you can set up the scheduled shutdown.

Time on: When the unit is on standby mode, you can set up the scheduled power-on.

How to set up the timing

Press the TIMER button, and the default timing time "1h" displays in the display window.

Next, press "+" button to adjust the time. Each time you press the "+" button, the time adds 1 hour. Pressing "-" button can reduce the time. During the process of time adjustment, the "H" in the lower corner of the number will flash. If no operation is performed for five seconds, the "H" letter will remain constantly bright, meaning the timer setting has been completed.


When the unit displays "5H" on standby mode, it means the unit will start automatically after 5 hours; when the unit displays "5H" in ice-making process, it means the machine will shut down automatically after 5 hours. The "H" in the display screen indicates that the machine is currently under timing function, and the number decreases progressively. When the number becomes zero, the timing ends, and the machine enters the mode you set.

How to cancel timing

When the unit has been set with a timer (the display window will display XX H), press the "TIMER" button, and the timer will be canceled after the number on the screen and "H" disappear.

When the unit has a timer, the display area in the lower left corner will display the timing time and the ice-making setting time, and these two display contents will alternate every 5 seconds.

7. **Automatic self-cleaning program: the default cleaning time is 20 minutes.**

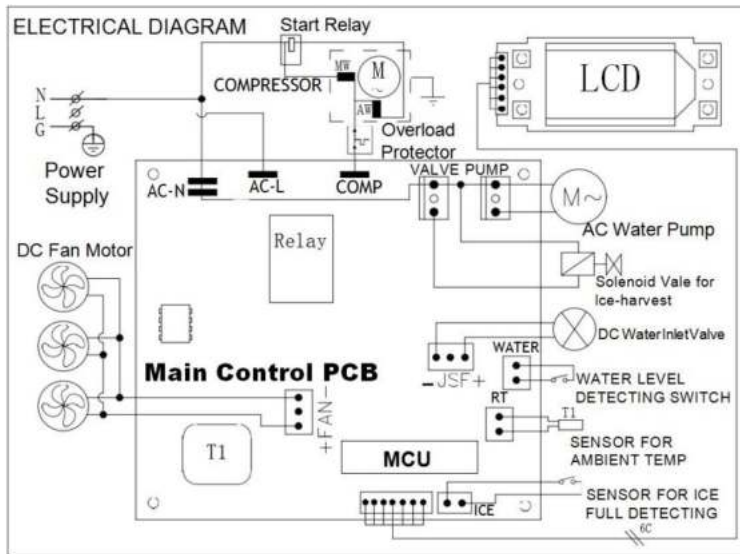
Start the self-cleaning program: After connecting all of the water pipes, plug in the main power supply plug, and then press "TIMER CLEAN" button on the control panel for more than 5 seconds to activate the self-cleaning function. The symbol  rotates on display screens, and time countdown area displays 20M. The "CLEAN" light will always be on during this period. The digit window will indicate the time needed. The water pump runs for 8 minutes and stops for 3 minutes. This cycle will repeat during the cleaning process. The total duration time is 20 minutes for one self-cleaning program. Also when the water pump stops, the water will flow into the water tank automatically.

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 off state automatically. And you can also press the "ON/OFF" button on the control panel to cancel the self-cleaning program.

8. **How to switch Fahrenheit (°F) to Celsius (°C)?**

Press "+" or "-" button longer than 5s. It will automatically switch.

WIRING DIAGRAM



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 but are normal.

- You will hear a swooshing sound when the water valve opens to fill the water tank in each 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.
- 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 collecting cycle, you may hear the sound of ice cubes falling into the ice storage bin.
- When the ice maker is used for the very first time after the purchase or it is started when the water pump is dry, 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 it 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 to be ejected from the evaporator of ice maker.
2. Turn off the unit, and unplug the power cord.
3. Shut off the water supply at the main water supply.
4. Disconnect the water supply hose from the water inlet valve.
5. Pull out the water drain pipe of the water tank (indicating "H" in the illustration above) to drain out the water in the water tank. When all of the water has been drained out, reinstall the water drain pipe of the water tank.

6. Then drain out all of the water from the water drain port located at the back of the unit (indicating “7” in the illustration above).
7. Disconnect the water drain pipe to the main drain pipeline or the floor drain. Plug in the drain cap again.
8. Keep the door open for circulation and prevent mold and mildew.
9. Leave water supply hose and the power cord disconnected until the unit is ready to reuse.
10. Dry the interior and wipe the outside of the unit.
11. Put a plastic bag on the unit to resist dust and dirty.

CLEANING AND MAINTENANCE

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

This appliance must be cleaned by using a water jet.

CAUTION

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

Periodic cleaning and proper maintenance will ensure its efficiency, optimum performance, hygiene, and long life. The maintenance intervals listed are based on normal conditions. You may need to shorten the intervals if you have pets, the unit is used outdoors, or there are other special considerations.

What shouldn't be done

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

Exterior Cleaning

The door and the cabinet should be cleaned with a mild detergent and warm water solution such as 1oz of dish washing liquid mixed with 2 gallons of warm water. 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.

Stainless steel models can discolor when exposed to chlorine gas and should be cleaned. Clean stainless steel models with a mild detergent, warm water solution, and a damp cloth. Never use abrasive cleaning agents.

NOTICE: *Stainless steel models exposed to chlorine gas and moisture, such as in areas with spas or swimming pools, may have some discoloration of the stainless steel. Discoloration from chlorine gas is normal.*

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 the power to the unit.
2. Open the door and wipe down the interior with a clean cloth and a sanitizing solution made of 1oz of household bleach or chlorine and 2gallons of hot water (95°F to 115°F).
3. Rinse thoroughly with clear water. The waste water will be drained out through the drain pipe.
4. Reconnect the power to the unit.

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

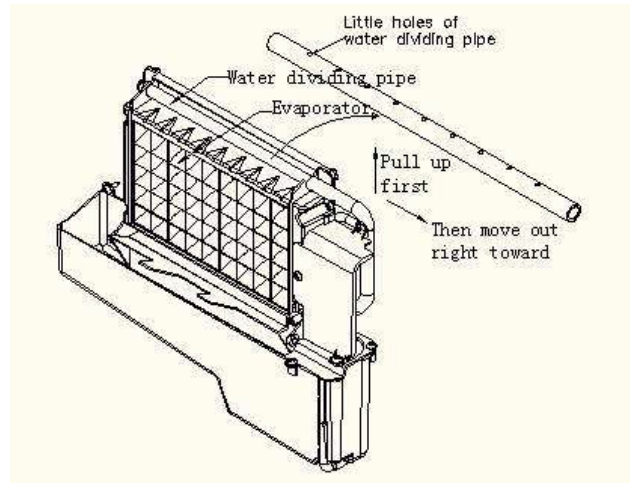
WARNING

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

Ice-Making Parts Cleaning

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

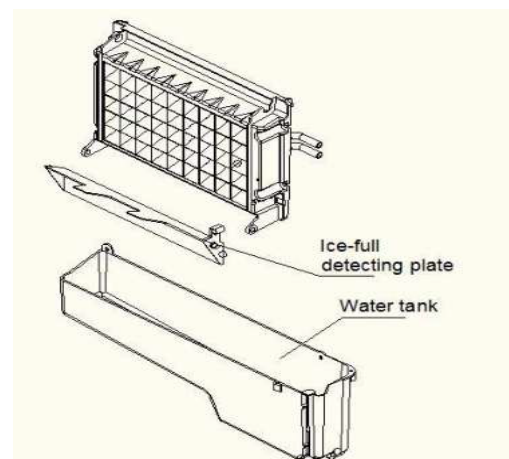
1. Repeat the steps above to clean the water tank and other inner parts of the unit.
2. For the water dividing pipe on the evaporator, when the compressor and the water pump run normally, but there is no water flowing out from the water dividing pipe or the water flowing is very small, please discharge this water dividing pipe and clean it carefully. Clean every little hole on the water dividing pipe displayed in the right illustration. Make sure each hole is not clogged, and then reinstall the pipe to the original location.



3. When there are ice cubes on the surface of the evaporator, but they can't fall down easily, do not use the mechanical substance to remove them by force; only press the "ON/OFF" button for more than 5 seconds to let the unit 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.

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

The water tank and the ice-full detecting plate is very important to keep your ice cube hygienic. Put the mixture of neutral cleaner and water into a clean water jet, and then spray to all the inner surface of the tank and the ice detecting plate. Wipe these surfaces as far as possible with a clean cloth. Then spray the surfaces with clean water and wipe it with a dry clean cloth. Drain out the used water in the water tank by pulling out the water drain pipe of the water tank (indicating "H" in the illustration above). When all of the

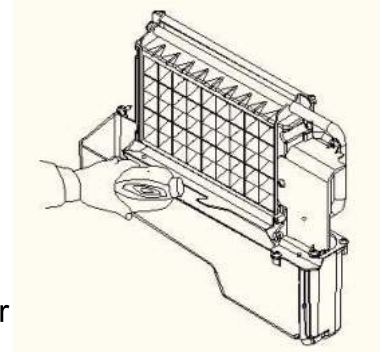


cleaned water has been drained out, reinstall the water drain pipe of the water tank.

Suggestion: After cleaning the interior parts and reinstalling to their respective positions, discard the first batch of ice the machine makes after it returns to its ice-making mode.

Ice-Making Assembly System Cleaning by Using Nickel Safe Cleaner for Ice Machine (e.g. Nu-Calgon)

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 GPG, you may need to clean the system as often as every 6 months.



1. Turn off the ice maker. Keep the ice maker connected to the water supply and the drain pipe. But turn off the water faucet of the 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. Make the cleaning solution. Please mix the Nickel Safe Cleaner for Ice Machine (e.g. Nu-Calgon) with water to make the cleaning solution.




WARNING

Wear rubber gloves and safety goggles (and/or face shield) when handling Ice Machine Cleaner or sanitizer.

Use a plastic or stainless container with more than 1-gallon capacity, and mix 10 oz Nickel Safe Ice-machine Cleaner (e.g. Nu-Calgon) with 3quarts warm water about 120°F-140°F. Then divide them into 2 shares equally in 2 cups. It is better to keep the temperature of the cleaning solution constant.

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 Nickel Safe Ice Maker Cleaning Solution into the water tank. Wait for about 5 minutes.
5. Turn on the power to the ice maker and then press “TIMER CLEAN” button on the control panel for more than 5 seconds to enter the self-cleaning program. Same as the explanation above, the water pump will run for 8 minutes and then stop for 3 minutes. This cycle will repeat during the cleaning process. The total duration time is 30 minutes for one self-cleaning program.
During this process, the “CLEAN” light will always be on and the digit window will indicate the time left.
6. After 30 minutes and one self-cleaning program may complete, pull out the drain pipe of the water tank and 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 reinstall 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.

8. Then turn on the water faucet of the main water supply to let the water flow into the unit. Again press the “TIMER CLEAN” button on the control panel for more than 5 seconds to enter the self-cleaning program. Same as the explanation above, the water pump runs for 8 minutes and stops for 3 minutes. This cycle will repeat during the cleaning process. The total duration time is 30 minutes for one self-cleaning program.

During this process, the “CLEAN” light will always be on and the digit window will indicate the time left. In this process, it will rinse the water dividing pipe, evaporator, water pump, silicone pipe, water tank, etc..
9. After finishing one self-cleaning program, pull out the drain pipe of the water tank, drain the cleaning solution down to the lower ice storage bin, and shake the unit slightly to drain out all of the water completely. Then reinstall the drain pipe to the water tank slot tightly.
10. Repeat the steps 8-9 twice.
11. Following the above program to clean the ice storage bin .
12. When this special cleaning program finishes, you can return to the regular ice-making mode. And it is suggested that you discard the first batch of ice cubes.

Cleaning Suggestion

1) DAILY CLEANING

The ice shovel, door and the water dividing pipe should be cleaned by yourself per day. After the

last use of the unit in a day, rinse the ice shovel and wipe both sides of the door with a clean cloth.




2) SEMI-MONTHLY CLEANING

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

3) SEMI-ANNUAL CLEANING

All the components & surfaces exposed to water or ice cubes, like ice storage bin, water tank, door, evaporator, water pump, silicone tube, water dividing pipe, etc. should be cleaned **by Using Nickel Safe Ice-machine Cleaner (e.g. Nu-Calgon)** per 6 months. They should be cleaned by the service man according to the ice-making assembly system cleaning program.

NORMAL TROUBLESHOOTING

Problem	Possible Cause	Solution
 " indicator is on.	No water supply.	Check the main water supply pressure or check if the water supply hose is blocked. Maybe you should add the water pressure or clean the hose.
	Floating ball of the water level detecting switch is blocked and it can't be raised up.	Clean the water tank and the water level detecting switch.
	Water flows out from the water tank.	Place the unit on a level position.
	Water flows out from the water drain pipe of the water tank.	Pull out the pipe and reinstall to the slot of the water tank properly.
The unit starts to enter the ice-making process, but no water flows into the unit, and the "  " indicator flashes.	The water supply hose breaks down or water flows in too slowly.	Check the main water supply pressure or check if the water supply hose is blocked. Maybe you should add the water pressure and/or clean the hose.
The water pump is working, but no water flows out from the water dividing pipe.	The little holes on the water dividing pipe are blocked.	Clean these little holes.
The transparency of the ice cube is not very good.	The water quality is not good.	Change the water supply or use the water filter to soften or filter the water.
The shape of the ice cube is irregular.	The water quality is not good or the water tank is very dirty.	Clean the water tank or use water of good quality.
	The little holes on the water dividing pipe are blocked.	Clean the water dividing pipe. Make sure all nine holes are unclogged.
Ice cube is very thin.	The ambient temperature is too high.	Move the unit to where the temperature is lower, or lengthen the time of each ice-making cycle.
	The air circulation around the unit is not good.	Make sure there is more than 10 inches space between the back & front of the unit and the obstacle.
Ice cube is too thick.	The ambient temperature is too low.	Reduce the time of each ice-making cycle.
 " indicator is on.	The ice storage bin is full of the ice cubes.	Take out some ice cubes.
The ice-making cycle is normal, but there is no ice cube produced.	The ambient temperature or the water temperature in the water tank is too high.	Move the unit to a place of which the temperature is lower than 90°F, or use water of lower temperature.
	Refrigerant leakage.	Ask the technical service man to maintain.
	Cooling system tube is clogged.	Ask the technical service man to maintain.

ERROR INDICATOR

- a) Ambient temperature sensor breakdown: E1 displayed in the digital window.
- b) The machine not making ice or the gas leakage: E2 displayed in the digital window.
- c) Magnetic control switch cut off: "Full" light will be on when plugging in or just turning on the unit. And the breakdown display will disappear if this switch encounters a short circuit.
- d) During the ice-making process, press the "ON/OFF" button for more than 5 seconds, the unit will start to enter the ice collecting program. And after the ice collecting program, it will enter the ice-making process.

Thank you for purchasing this product! If you have any questions about the product, such as missing parts, damaged products, product assembling, and operation, please contact us via **Amazon Message** or customer service number: **213-4467172 or 661-4358826**

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Sólo hay que llamar nuestro departamento de servicio al cliente en caso de tener preguntas o inquietudes:

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(8:30am - 5:30pm P.S.T.)

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