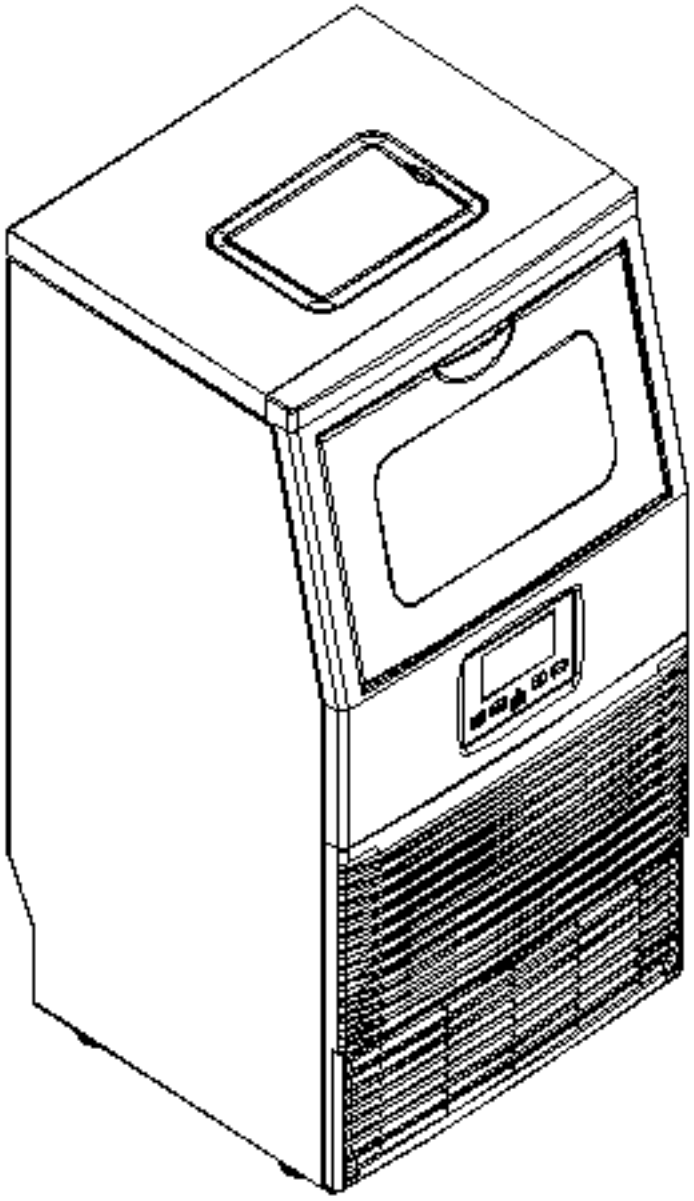
BARTON®

AUTOMATIC ICE MAKER

ITEM: 94022



OWNER'S MANUAL AND SAFETY INSTRUCTIONS

SAVE THIS MANUAL: KEEP THIS MANUAL FOR SAFETY WARNINGS, PRECAUTIONS, ASSEMBLY, OPERATING, INSPECTION, MAINTENANCE AND CLEANING PROCEDURES. WRITE THE PRODUCT'S SERIAL NUMBER ON THE BACK OF THE MANUAL NEAR THE ASSEMBLY DIAGRAM (OR MONTH AND YEAR OF PURCHASE IF PRODUCT HAS NO NUMBER).

FOR QUESTIONS PLEASE CALL OUR CUSTOMER SUPPORT: (909) 628 0880 MON-FRI 9AM TO 3PM PST

IMPORTANT SAFETY INFORMATION

WARNING

GENERAL SAFETY WARNINGS

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.

SAFETY

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator. Read carefully and understand all instructions before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

- 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.
- **DO NOT** use an extension cord as it may overheat and cause a risk of fire. If you must use an extension cord, use 16AWG 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 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 noisy 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 to make the ice-cube other than water.
- **DO NOT** clean your ice maker with flammable fluids. The fumes can create a fire hazard or explosion.

WARNING IMPORTANT SAFETY INFORMATION

- **WARNING! DO NOT** damage the refrigerant circuit.
- **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.
- **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 needs to be maintained, replacement components and 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

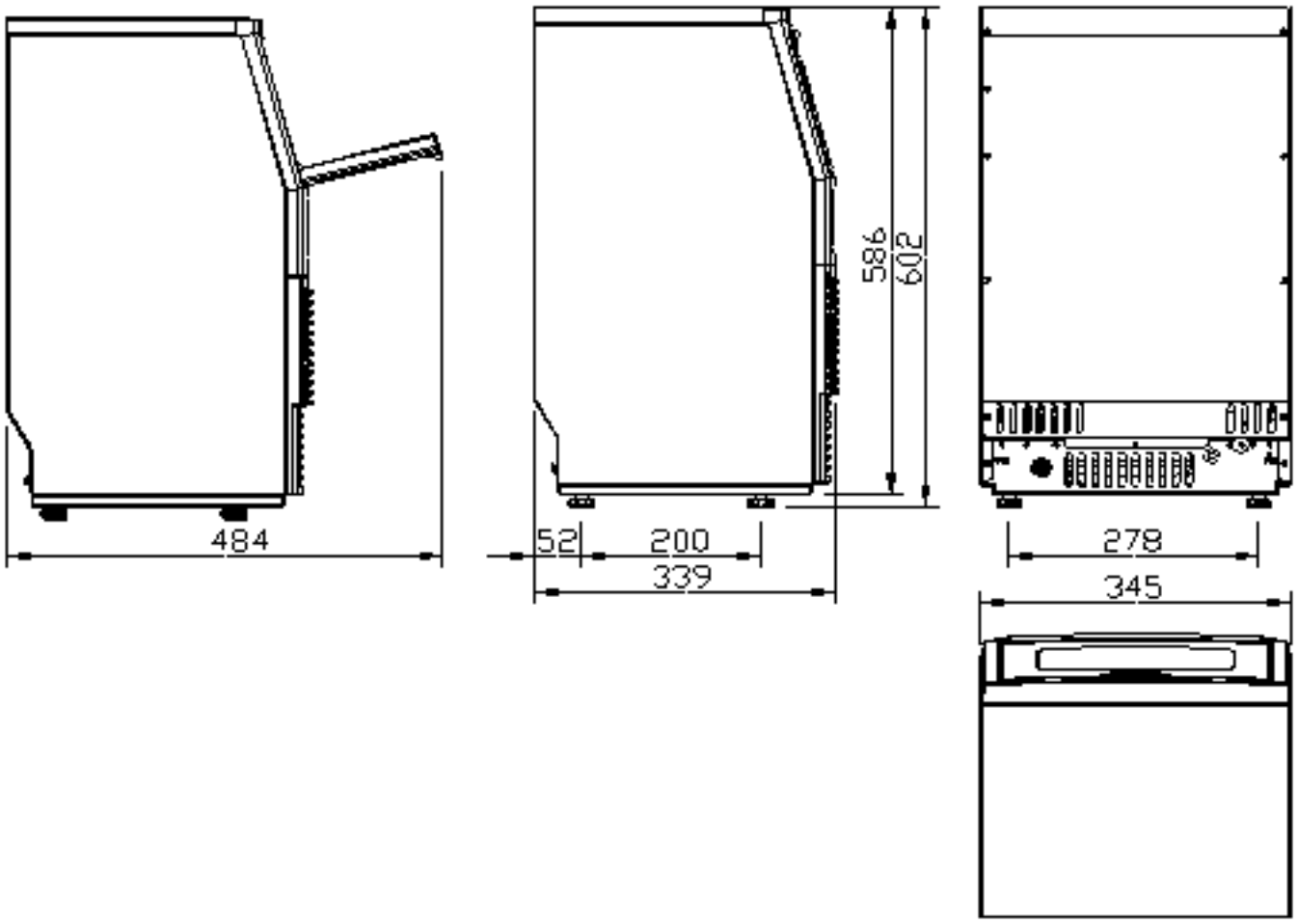
BLACK: LIVE

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

⚠WARNING

Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

SPECIFICATIONS

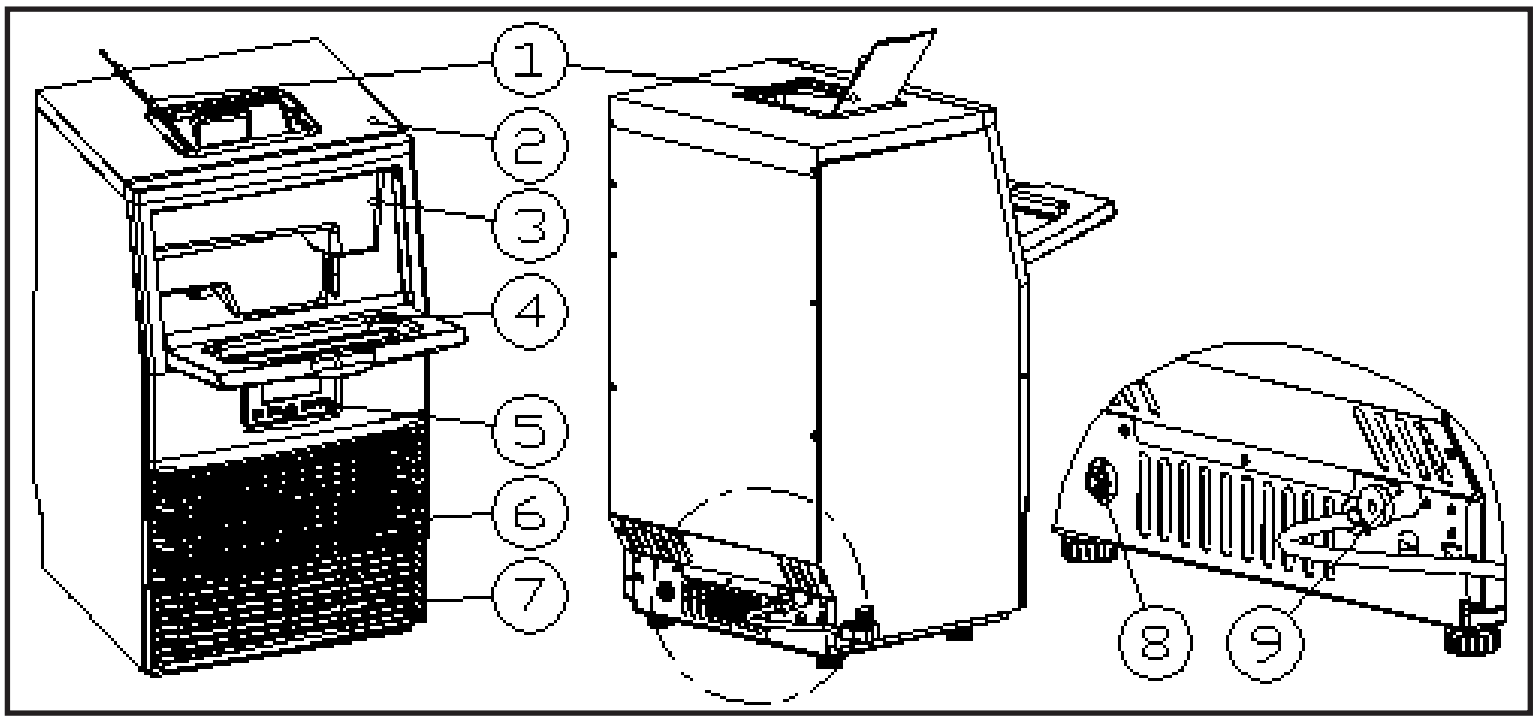


RATINGS

MODEL	94022
POWER SUPPLY VOLTAGE	1Phase, 110-120/60Hz
ELECTRICAL PROTECTION CLASS	I
ICE MAKING RATING (Amps)	1.5 Amp
ICE HARVEST RATING (Amps)	2.3 Amp
ICE MAKING CAPACITY (lbs/24H)	66 lbs / 24Hour*
REFRIGERANT CHARGE	R600a, 1.8 Oz/51g
VESICANT	C5H10
UNIT DIMENSIONS(W X D X H) (in)	13.6x13.35x23.7
NET WEIGHT/GROSS WEIGHT(lbs)	40.7 lbs
CONNECTION	POWER CORD: 18AWG
	WATER SUPPLY: 1/4 inches Diameter
	DRAIN PIPE: Φ5/8 inches
MAX ICE STORAGE CAPACITY(KG)	4 Kg
ACCESSORIES	ICE SCOOP, INSTALLATION KITS
RUNNING CONDITIONS	ROOM TEMP: 50-110 Fahrenheit
	WATER SUPPLY TEMP: 41-95 Fahrenheit
	WATER SUPPLY PRESSURE: 0.04-0.6 MPa

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

MAIN UNIT



1. Water filler cap on top

2. Top cover

3. Ice-making & its water tank assembly: Including ice-making evaporator, water tank, water charging tank,water control valve, water pump and some detecting parts

4. Door for ice taking

5. Operation panel

6. Air outlet: Must keep the air circulate smoothly, hot air will blow out when unit running.

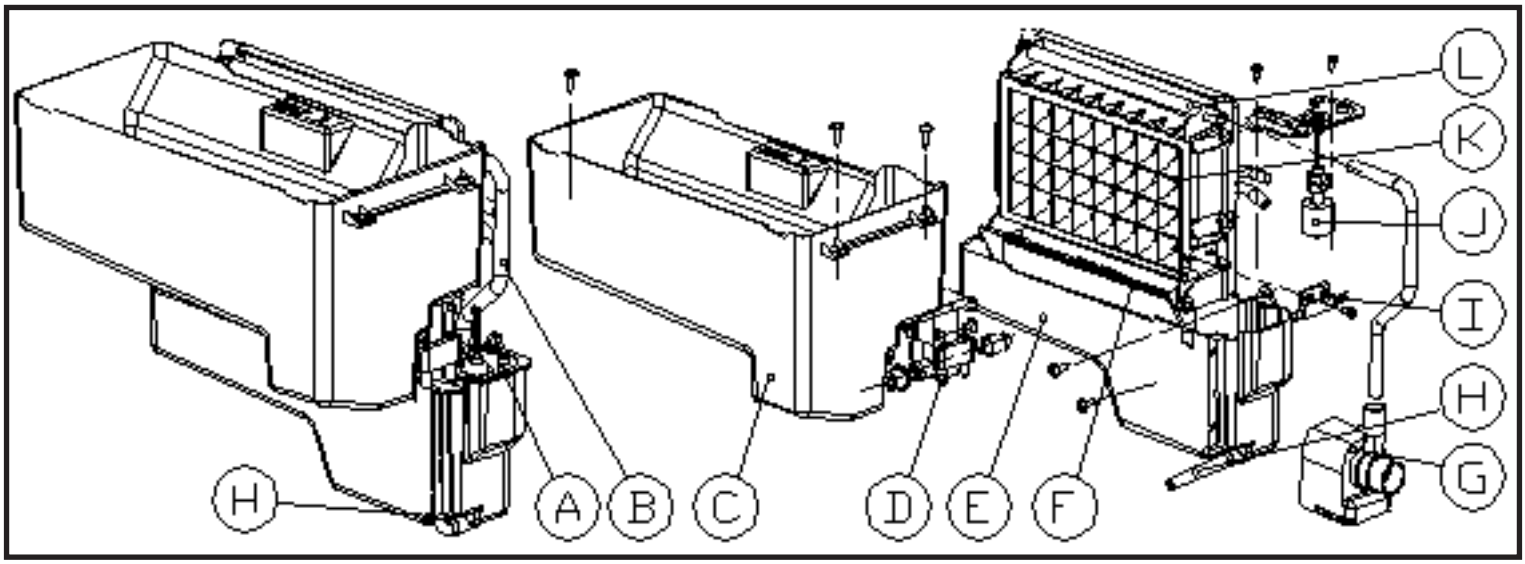
7. Air inlet

8. Main Water supplying inlet: For connecting the main water supplying pipe

9. Water draining port. Normal plugged with the cap. When need to drain the water, unplug the cap. Connect the white drain pipe.

Accessory: About 6 feet long and white color water drain pipe, 1/4 inches to 1/2 inches water quick connector of the water faucet, ice spoon ¢5/8 inches diameter and white color water supplying hose.

ICE-MAKER WATER TANK PARTS



A. Water level switch installing plate

B. Water supplying pipe

C. Water charging tank: Approximate 3.5 litters volume

D. Water outlet control valve of water charging tank

E. Water tank for water circulation: Approximate 0.9 litters volume

F. Ice full detecting board: Use to detect the inner cabinet is full of ice or not, and to check the ice-harvest process is over or not.

G. Water circulation pump

H. Water drain pipe of the water tank. When ice-making, this silicone pipe should be clamped in the slot of the water tank wall; And when draining the water, this pipe should be pulled out and expand completely.

I. Ice full detector

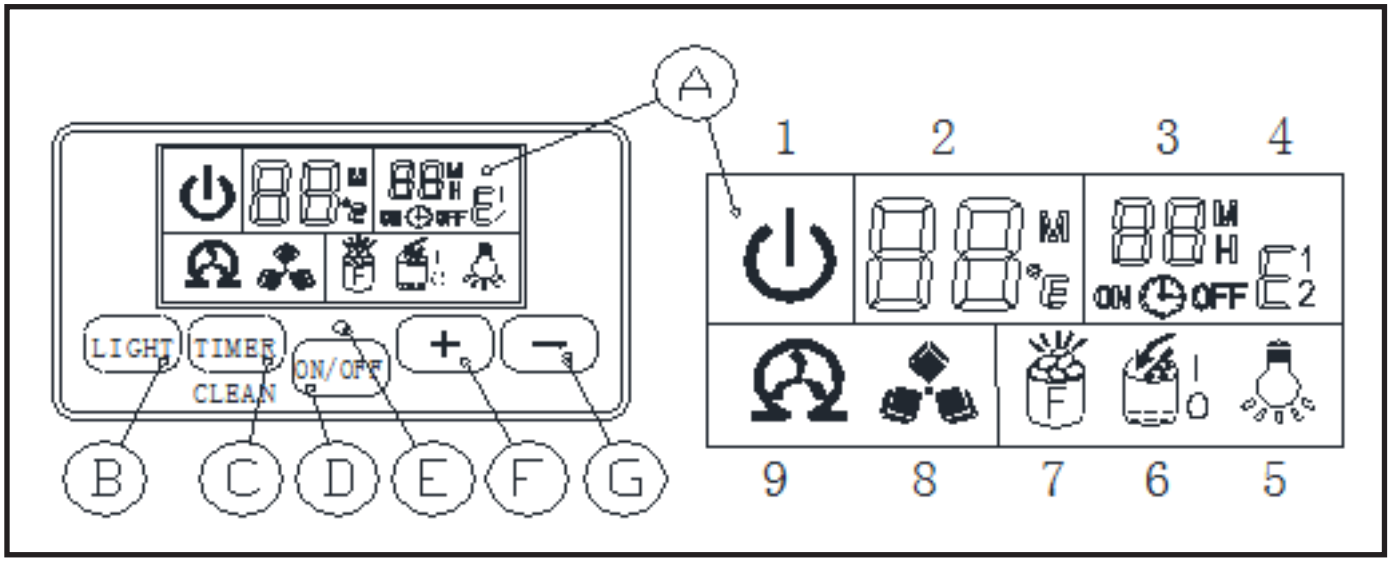
J. Water level detecting switch

K. Evaporator (ice-making module)

L. Water dividing pipe: With eight little holes, water will flow out from these little holes. And if no water flows out, can be disassembled and cleaned.

INFORMATION

OPERATION PANEL



A. LCD display window

1. Unit ON or OFF state symbol: When the unit is turned off(standby mode), this symbol flashes, and when the unit is working, the symbol will keep lighting on.

2. Ambient temperature and ice-making countdown time display

3. Ice-making setting and Timer setting display

4. Error code: E1 means that the ambient temperature sensor is faulted E2 means that ice-making process is abnormal.

5. Light symbol: When this symbol displays, the LED light inside the cabinet will be on.

6. Water flowing and water absence symbol: If the arrow of this symbol flashes, means the water is flowing in to the water tank; And if the whole symbol keeps on, means there is no enough water to start the ice-making process.

7. Ice-full display: When the ice storage cabinet is full of the ice cube, this symbol will display, and the unit will stop ice-making process.

8. Ice making and harvest display: When the ice cube symbol keep rotation, means the unit is making the ice; And if the symbol flashes, means the unit is during the ice harvest process.

9. Self-cleaning display.

B: "LED light" button: To turn on or turn off the internal LED light;

NOTE: Keep pressing this button for more than 5 seconds, it is to change the ambient temperature unit between Fahrenheit degree and Centigrade degree.

C: "Timer/Clean"button: Quickly press this button once, to enter the Timer setting program; And press this button for more than 5 seconds, to let the unit enter the Self-Cleaning program.

D: "ON/OFF"button: When the unit is off, press this button to turn on the unit; And during the automatic-cleaning program, or normal ice-making state, press this button to turn off the unit at once; And also if the unit is set with the Timer, press this button to cancel the Timer setting.

When the unit is making the ice cube, press this button for more than 5 seconds, the unit will switch to ice harvest process by force. E. Water Supplying Mode setting button: Use a thin pole to press this button, can change the water supplying mode between manual supplying and automatic supplying. F. G: "+" "-" button: Use to adjust the ice-making process duration period length, the default setting is zero, 1 minute adding or decreasing per each pressing of "+" or "-" button.

Also to adjust the delay time of the timer, the default setting is zero, 1 hour adding or decreasing per each pressing of "+" or "-" button.

UNPACKING YOUR ICE MAKER

1. Remove the exterior and interior packaging. Check if all the accessories, including instruction manual, ice scoop, white water supplying hose, 1/4 inches to 1/2 inches water quick connector and the water draining pipe, etc., are inside or not. If any parts are missing, please contact our customer service.

2. Remove the tapes for fixing the door and inner cabinet, ice scoop, etc.. Roughly clean the inner cabinet & ice scoop with 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 at least 8 inches gap between the air outlet and the obstacles, and at least 2 inches between Left/Right side and the wall.

4. Allow 4 hours for the refrigerant fluid to settle before plugging the ice maker in if the unit maybe fall upside down during shipping or transportation.

5. The appliance must be positioned so that the plug is accessible.

WARNING: Only use drinking water. For manual water supplying, fill with potable water only. For automatic water supplying, connect to the potable main water supply only.

INSTALLATION LOCATION REQUIREMENT

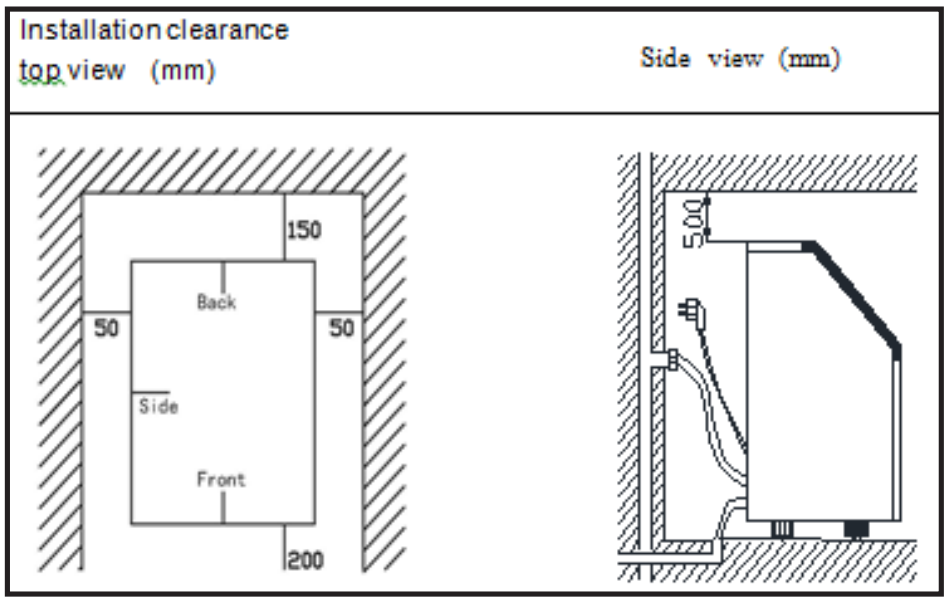
A) This unit is not for outdoor use. Keep the proper room temperature and inlet water temperature according to above specification table. Otherwise it will affect the ice making performance.

B) This unit should not be located near any heat resource.

C) The unit should be located on a firm & level foundation at normal counter top height.

D) There must be at least 6 inches clearance at rear side for connection and 8 inches clearance in front to open the door and keep good air circulation.

E) Do not put anything on the top of the ice maker.



OPERATION

To ensure proper ventilation for your ice maker, the front of the unit must be completely unobstructed. Allow at least 6” clearance at rear, and 2” of two sides for proper air circulation. Allow about 20 inches high space at top to fill water freely from unit top when using manual water supply way and 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 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 some elements, such as wind, rain, water spray or drips. The temperature of the water supplying should be between 41 Fahrenheit and 77 Fahrenheit for proper operation.

ELECTRICAL REQUIREMENT & CONNECTIONS

WARNING: THIS UNIT MUST BE GROUNDED

ELECTRIC 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 with 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 YOUR ICE MAKER BEFORE FIRST USING

1. Open the ice taking door.

2. Clean with diluted detergent, warm water and a soft cloth.

3. Repeatedly clean the water contacting inner parts, use the water or the wet clothe to scrub the relevant parts, then use the dry clothe to dry them.

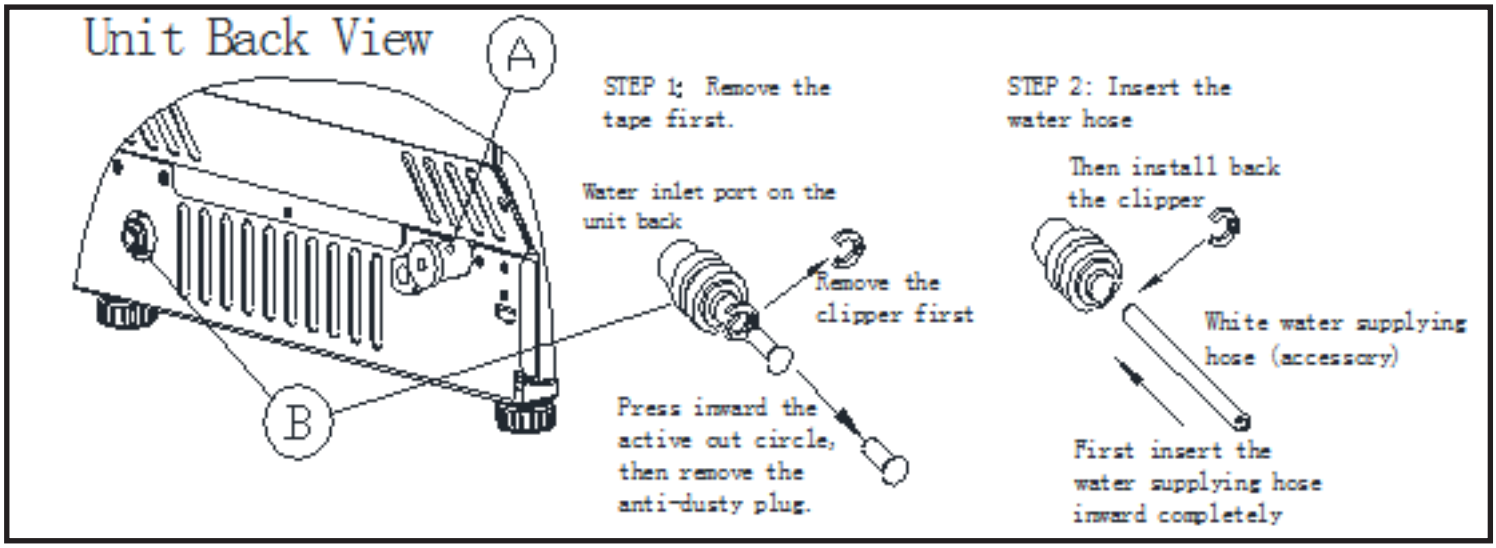
4. You can pull the Water drain pipe of the water tank indicating “H” in above illustration to drain out the cleaned water in the water tank, then next to clean inner ice-storing bin, till all of inner parts are cleanly, then drain out all of the cleaned water from the water drain port located at unit back indicating “8”in above illustration. And must to install 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 suggest that you should discard the ice-cube made by the first ice making cycle after cleaning. Note: Please see the section “Water Drainage” in this manual to drain out the cleaned water.

5. The outside of the ice maker should be cleaned regularly with a mild detergent solution and warm water.

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

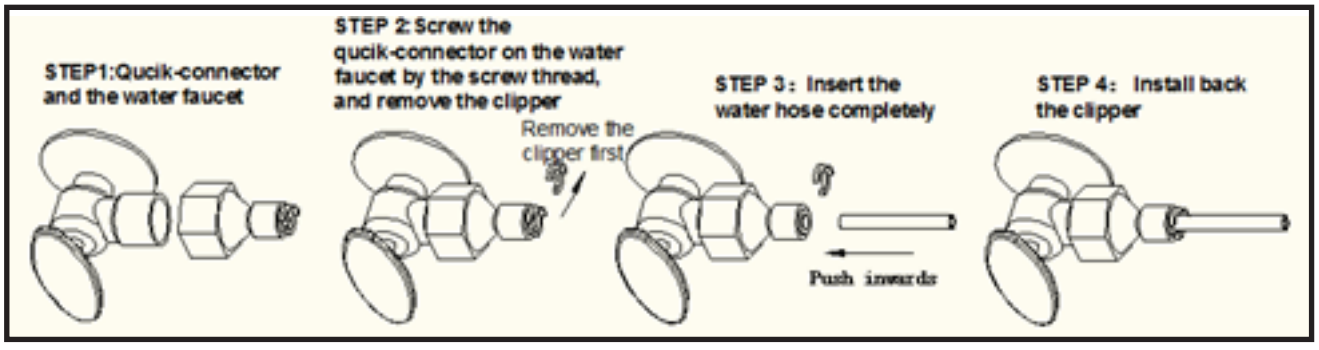
RECOMMENDED GROUNDING METHOD

IMPORTANT: Be sure to use the new hose-sets supplied with the appliance to connect to water mains and that old hose-sets should not be reused.
1. Connect the water supplying hose to the unit (For automatic water supplying). **Step 1:** First remove the clipper on the water inlet port for main water supplying (indicated in the following illustration “B”) located at unit back, then pushing inwards the anti-dusty plug, use your other hand’s finger to press the out circle to fix the anti-dusty plug, then take down the anti-dusty plug; Step 2: Insert the one end of the white water supplying hose into the water inlet port, and push inward completely, and install back the clipper, then water supplying hose connection is completed.



2. CONNECTING THE WATER DRAINAGE PIPE: Pull out the water drainage cap with black color (indicated in above illustration), then connect the white drainage pipe included in accessory, again connect the other end of this drainage to the main water drainage pipeline. Make sure not to set the drainage pipe too high.
3. Connect the water hose to the water faucet of the water main supply system (For automatic water supplying). First, install the supplied water quick-connector(from 1/4 to 1/2 inch, with black sealing circle) to the water faucet by screw thread; Second, remove the clipper from the water quick-connector, insert the another end of the water hose into this quick-connector port completely, then install back the clipper, also this step is completed. Note: The water faucet should be supplied by the customer himself.

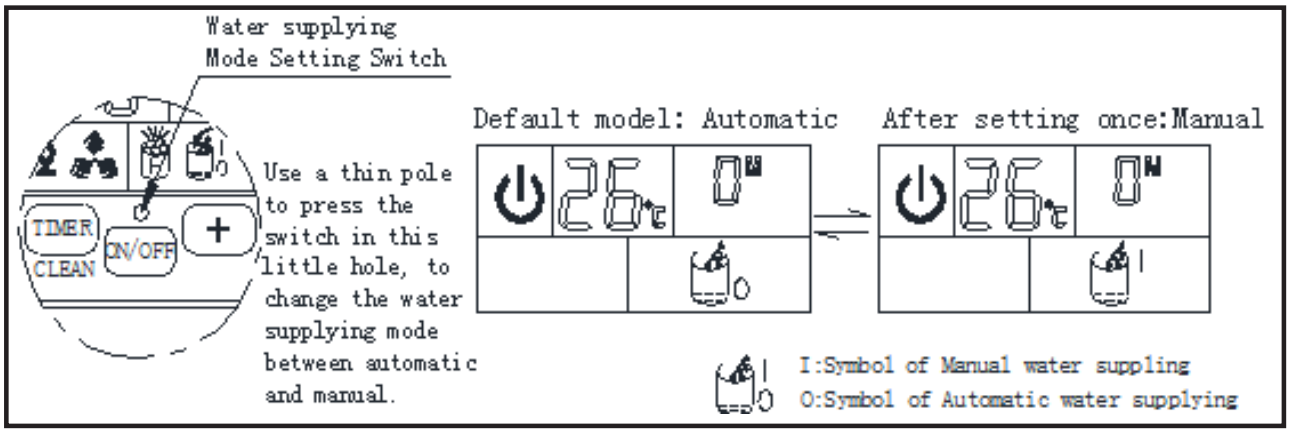
IMPORTANT: The water pressure of main water supply system must be 0.04-05 MPa at least and 0.6 Mpa at largest. If the pressure is too big (like bigger than 0.8 Mpa), it should be installed with pressure decreasing valve first.



NOTE: If you set the unit supplied by manual water filling, don’t need to do step 1 and 3. If you choose the automatic water supplying, the ice maker requires a continuous water supply with pressure 1-6 Bar as required in above specification table.

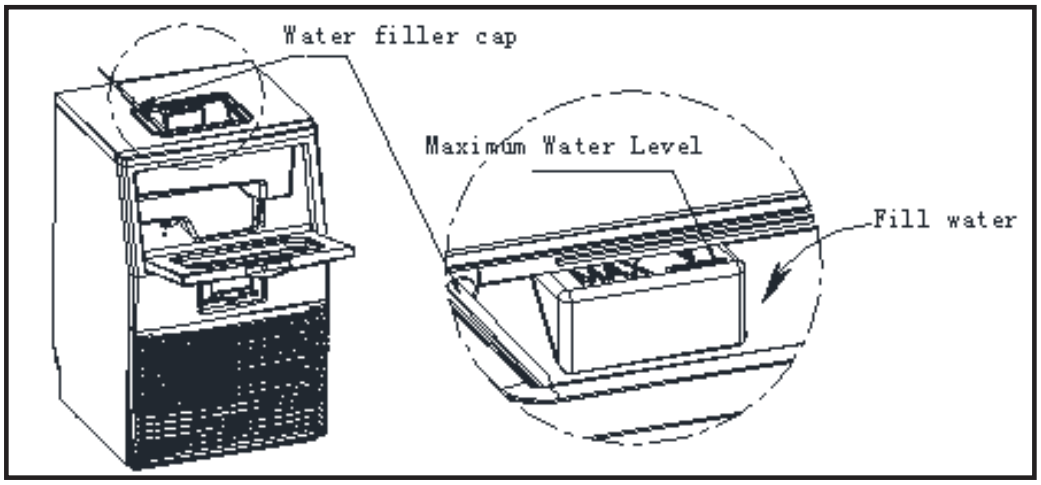
RECOMMENDED GROUNDING METHOD

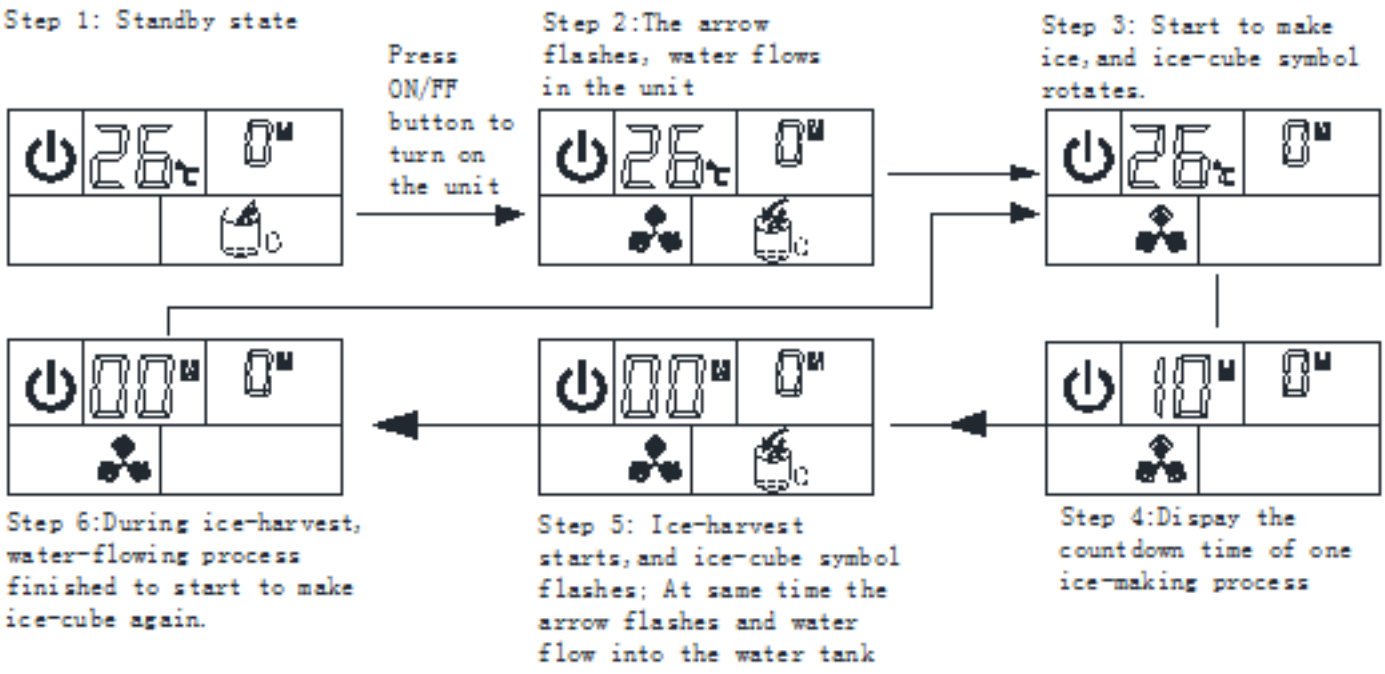
SELECTING THE WATER SUPPLYING MODE: Plug on the unit , press the button in the little hole of the control panel, you can change the water supplying mode of your unit.



A. If you select to use the automatic water supplying mode, please complete the water connection according the above section “WATER CONNECTION FOR YOUR ICE-MAKER”.

B. If you select to use the manual water supplying mode, open the transparent water filler cap on the top, fill the potable water by hand into the unit till the maximum water level. The water charging tank can be accommodate approximate 3.5 litters water, and suggest to fill the water one time per 2-3 hours.





OPERATION

I: Manual water supplying symbol; O: Automatic water supplying symbol; Arrow of this 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. 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 ice 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 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.

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 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.

OPERATION

How to set the OFF-Timer: When the unit is working, press the “TIMER/CLEAN” button to set the OFF-Timer. The TIMER OFF symbol will 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” button, the number above the “ ”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 “ ” 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.

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 LIGHT BULB symbol on the LCD display window will also be on. Press this button once again, the LED light and the LIGHT BULB 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 °C and °F)

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-cube falling down, 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 water in ice storage 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 water drain port at unit back.
REMINDER: Clean the water tank frequently, it can improve the ice-cube quality and the unit and its water circulation pump can work much longer.
C. For the water in water charging tank, pull out the silicone pipe on the right side of the water tank indicating “H” in above illustration, then plug on the unit, let the unit run at ice-making program or self-cleaning program, the water will flow into the water tank, again through the silicone pipe flow into the ice bin, at last can be drained out the unit through the water drain port at unit back.

WATER DRAINAGE

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.

OPERATION

• 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.
• 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: Ice maker self-cleaning program). Do not use any alcohol or fume for cleaning or sanitizing 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 use of a water jet.

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.

MAINTENANCE

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

NEVER keep anything in the ice storage bin that is not ice: Objects like wine and beer bottles are not only unsanitary, but also it's labels may slip off and obstruct the drain pipe.

EXTERIOR CLEANING

The door and cabinet may be cleaned with a mild detergent and warm water solution such as 28g of dish washing liquid mixed with 7.5L 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. 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 28g of household bleach or chlorine and 7.5L 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 power to the unit.

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

NEVER use solvent cleaning agents or abrasives on the interior. These cleaners may transmit a poor taste to the ice cubes or damage the interior of the machine.

ICE MAKING PARTS CLEANING

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

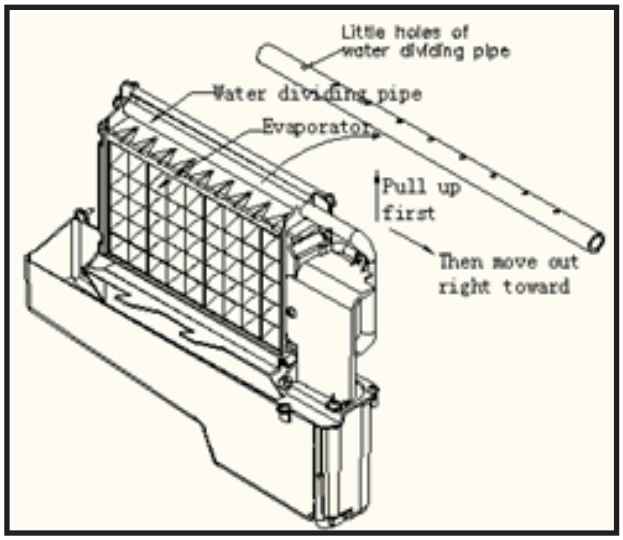
1. Repeat above step to clean the water tank and other inner parts of the unit.

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

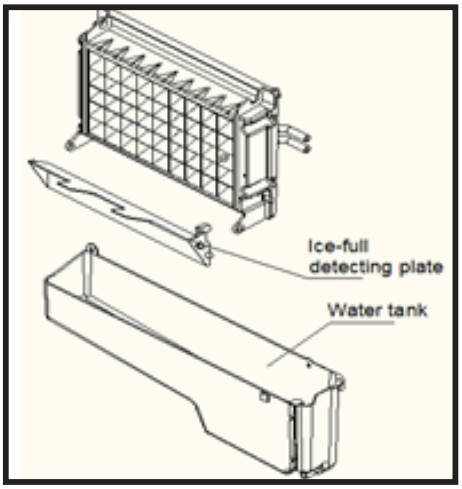
3. The length of cleaning period is related to your water quality. And drain the water more frequently, the unit and its water pump can work much longer.

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.

SYSTEM CLEANING USING NU-CALGON NICKLE SAFE ICE-MACHINE CLEANER

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.

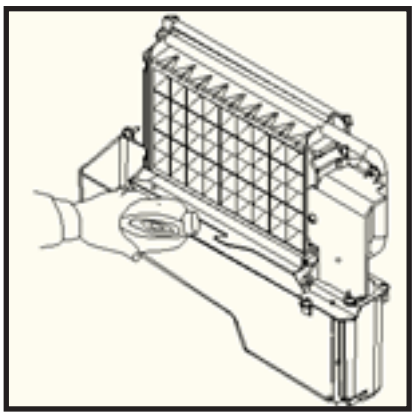
1. Turn off the ice maker. Keep the ice maker connect to the main water supply and drainpipe. But shut off the water faucet of main water supply.

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 Nu-Calgon Nickle Safe Ice Machine Cleaner with water to make the cleaning solution. Use a plastic or stainless container with more than 4 liters capacity, mix 300 ml Nu-Calgon Nickle Safe Ice-machine Cleaner with 2.8 liters warm water about 120 °F-140 °F, 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 Nickel-Safe Ice Maker 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 TIMER symbol will always be on during this period, and the digit window will indicate the time left.



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.

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. 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 Timer 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..

9. 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.

10. Repeat the step 8-9 again for 2 times.

11. Following the above program to clean the ice storage bin .

12. 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.

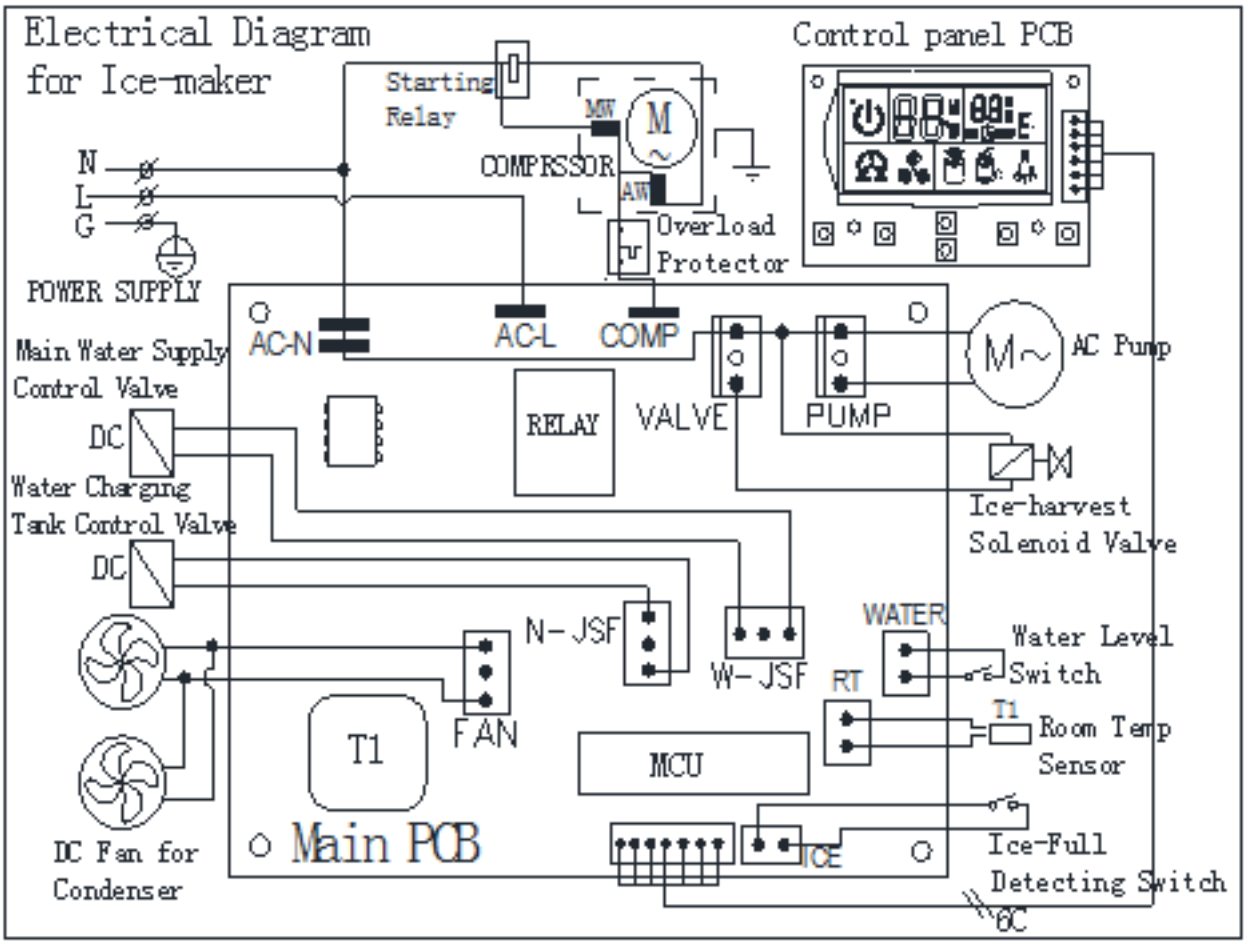
2) SEMI-MONTHLY CLEANING

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.

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 Nu-Calgon Nickle Safe Ice-machine Cleaner per each 6 months. They should be cleaned by the serviceman according to ice making assembly system cleaning program.

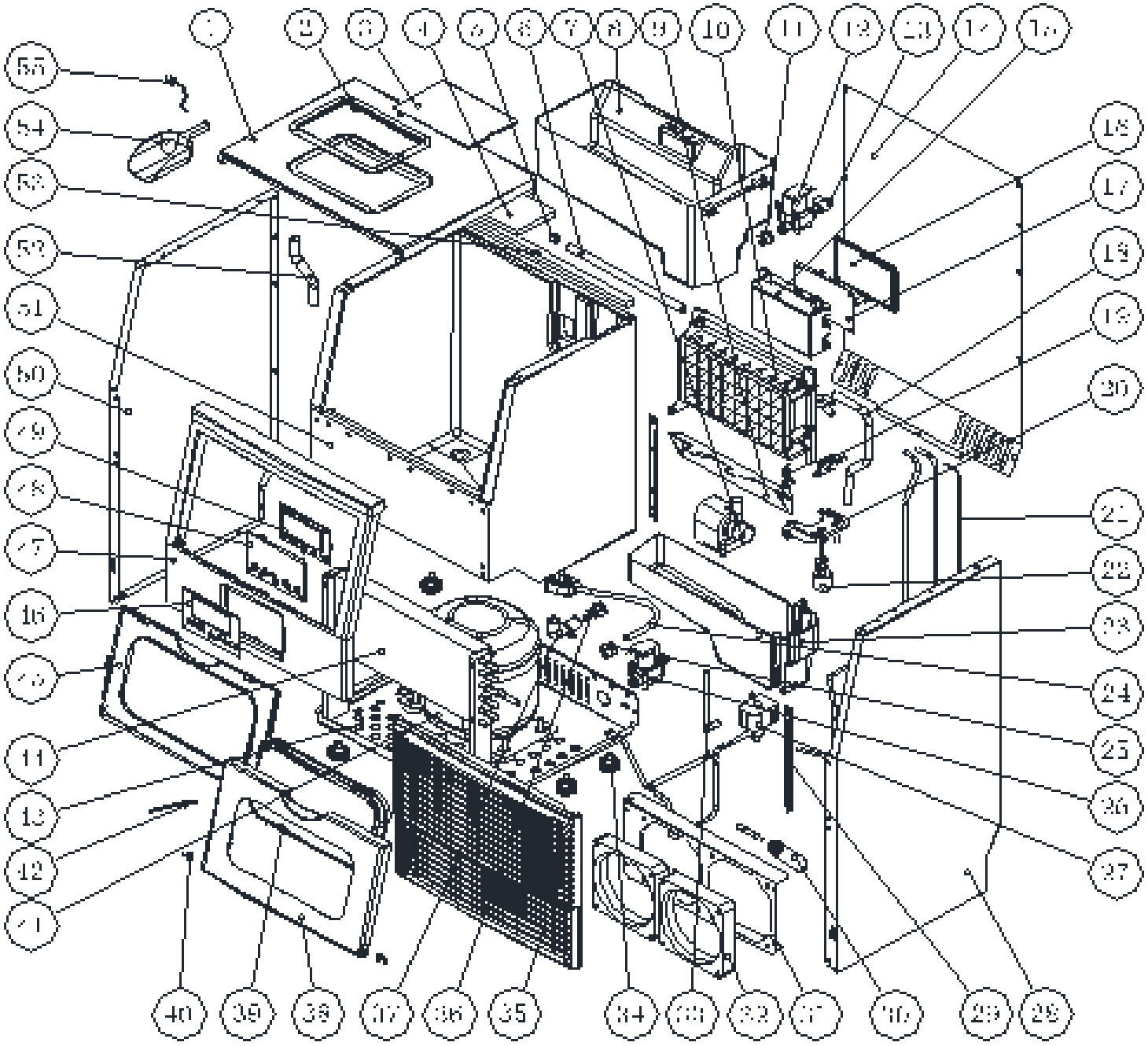
WIRING DIAGRAM



TROUBLESHOOTING

THE WATER FLOW INDICATOR STAYS ON	No water in unit	The main water pressure is too low or the water supplying hose is blocked. Check them and increase 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
ICE MAKER ON, NO WATER FLOWING	No water in water charging tank 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 increase the water pressure and clean the supplying hose
WATER PUMP WORKS BUT WATER DOES NOT FLOW FROM DIVIDING PIPE	The little holes on the water dividing pipe is blocked.	Clean these little holes
WATER CIRCULATION PUMP DOES NOT WORK	Substance in the water tank blocks the pump blade.	Clean the water tank and the water pump
ICE CUBES ARE NOT TRANSPARENT	Water quality is bad	Use a water filter or water purifier to soften or filter the water
IRREGULAR ICE CUBE SHAPE	Water quality is not good or the water tank is very dirty	Clean the water tank, and change with new water
	The holes on the water dividing pipe are blocked	Clean the water dividing pipe make sure all holes are unclogged
ICE CUBES ARE THIN	Ambient temperature is too high	Move the unit to a low temperature space, or lengthen the time of each ice making cycle.
	Air circulation around the unit is not good	Make sure there is more than 20CM space between the unit back & front
ICE CUBES TOO THICK	Ambient temperature is too low	Reduce the time of each ice making cycle
"ICE-FULL" SYMBOL STAYS ON	The ice storage bin is full of the ice cube	Take out some ice cube
CYCLE IS NORMAL BUT NO ICE CUBES ARE MADE	The temperature of water in water tank is too high	Move to the place with temperature lower than 32 centigrade, and change to low temperature water
	Refrigerant leakage, E2 error code display	Contact service technician for repair
	Cooling system tube is clogged	Contact service technician for repair

PARTS DIAGRAM



PARTS LIST

#	DESCRIPTION	MATERIAL	QTY
1	Top cover	Steel	1
2	Top Water Filler Frame	ABS	1
3	Top water filler cap	ABS	1
4	Insulation sponge	PE	1
5	Water dividing pipe cap	Silicone	1
6	Water dividing pipe	ABS	1
7	Water Circulation pump	Electrical	1
8	Water charging tank	PP	4
9	Ice full detecting plate	ABS	1
10	Evaporator & its frame	Copper plated ABS	1
11	Sealing circle	Silicone	1
12	Water outlet control valve	Electrical	1
13	Outlet control valve	Silicone	1
14	Back plate	Galvanized sheet	1
15	Electrical PCB box	ABS	1
16	PCB box Cover	Electrical	1
17	Main control PCB	Electrical	1
18	pipe of water pump outlet	Electrical	1
19	Magnetic control switch	Electrical	1
20	cover of water tank	ABS	1
21	Capillary	copper	1
22	Water level detecting switch	Electrical	1
23	Water tank	ABS	1
24	Power cord	Electrical	1
25	clipper of power cord	PP	1
26	Water inlet valve	Electrical	1
27	Ice-harvesting Electro-magnetic valve	Electrical	1
28	Right side plate	Steel	1

#	DESCRIPTION	MATERIAL	QTY
29	Support plate	Steel	1
30	Dry filter	copper	1
31	Support flame of DC fan	Steel	1
32	DC fan	electrical	1
33	Water drain pipe	silicone	1
34	Bottom Foot	ABS	4
35	Air inlet front panel	ABS	1
36	Water drainage cap	rubber	1
37	Water drainage port	ABS	1
38	Front door panel	ABS	1
39	Front door window	AS	1
40	Door shaft	ABS	2
41	Compressor	electrical	1
42	Charging valve	copper	1
43	Bottom plate	Steel	1
44	Condensor	copper/aluminum	1
45	Inner plate	ABS	1
46	Panel paper	PET/PVC	1
47	Door frame	ABS	1
48	PCB box panel	ABS	1
49	Left side plate	electrical	1
50	Foaming cabinet	Steel	1
51	Drainage pipe		1
52	Top cabinet sponge	Silicone	1
53	Ice scoop	PE	1
54	LED light	electrical	1
55	Wiring	electrical	1

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

⚠ SAVE THESE INSTRUCTIONS.