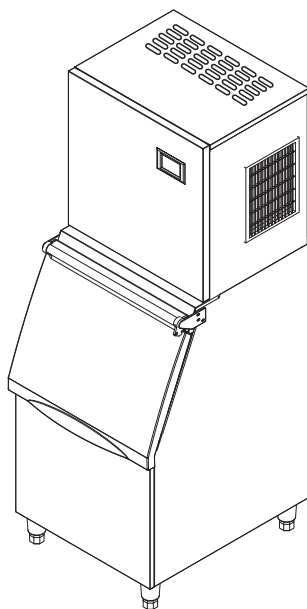


ICE MACHINE

instruction manual



The exterior of the machine
will be continuously adjusted
for production optimization.
The exterior used in this manual
is for reference only.

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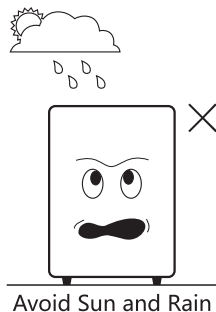
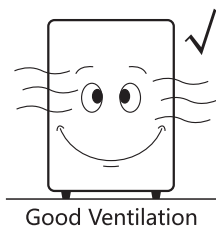
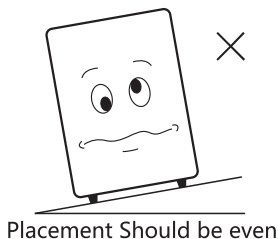
Product Acceptance and Inspection

Thank you for choosing our company's automatic ice machine. In order to protect your legitimate right & interest, please pay attention to the following advices when accepting & inspecting it:

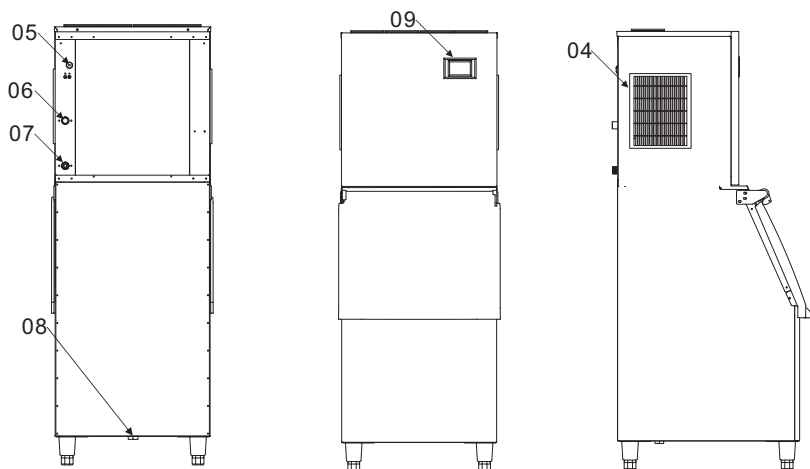
1. Is the outer packaging intact;
2. Is the appearance of the machine intact;
3. Does the machine model match the model you purchased;
4. Are the machine accessories complete;
5. Are the internal parts of the machine intact;



During the logistic process, impertinent stack or delivery may cause lubricating oil flow into refrigerant tube from the comporessor. It cuases the compressor lack of oil, then the compressor may be burn down in short time. Therefore, we strongly suggest you to put the machine for 24 hours in right condition, then set it up and start using.



Machine appearance and structure



01 Ice storage bucket

02 doorx1

03 Machine footx4

04 Ventilation Window

05 Power Cable

06 Water Inlet

07 Drainage Outlet

08 Bin Drainage Outlet

09 LCD Screen

10 Front panel

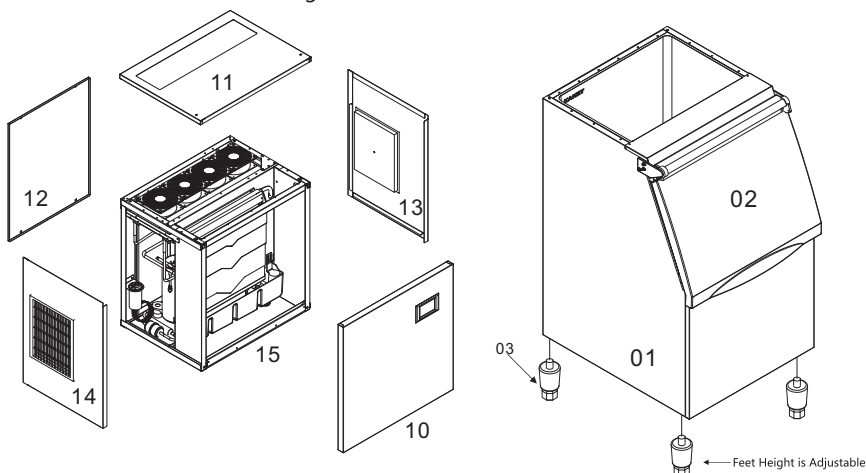
11 Top cover plate

12 Back plate

13 Right side panel

14 Left side panel

15 Main Frame



Self-contained Machine Installation

1. The ice maker must use sanitary drinking water at room temperature. The water supply pressure should be controlled between 0.1-0.5MPa.
2. The ice maker relies on gravity to drain, so it is necessary to ensure that the drain pipe has a sufficient slope and drop.
3. The supplied water filter is only suitable for machine testing. The filter is disposable and is replaced regularly according to local water quality.
4. The connector on the filter needs to be removed with a special tool.

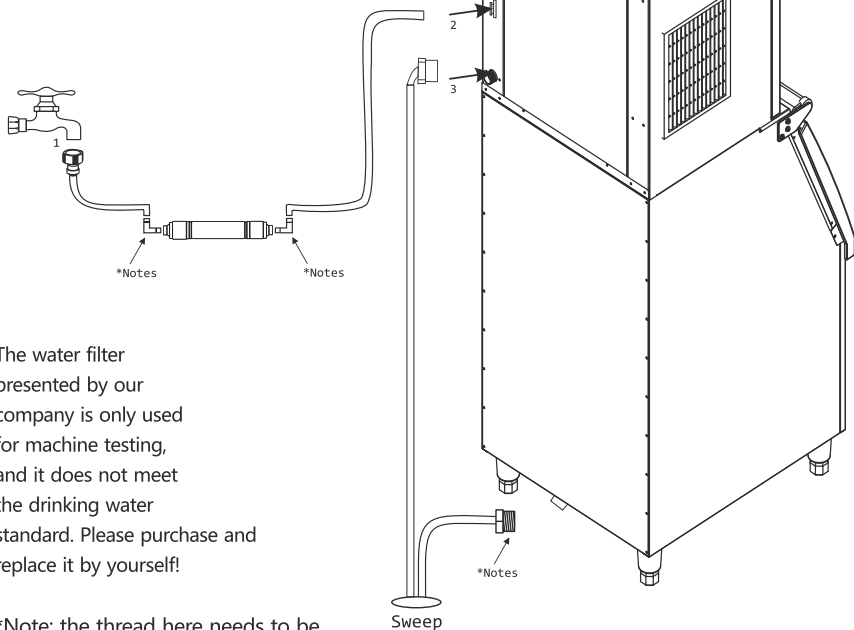
This picture is used for water connection of air-cooled machines

1. Drinking water:

1/2" male connector

2. Ice machine water inlet:

3-way water inlet
connector white



The water filter presented by our company is only used for machine testing, and it does not meet the drinking water standard. Please purchase and replace it by yourself!

*Note: the thread here needs to be wrapped with Sealing tape

Maintenance

Carry out maintenance according to the requirements in the manual in order to improve its reliability and increase lifespan, also could avoid increasing of energy consumption coefficient.

- 1.Clean the environment around the ice machine frequently, and do not block the ventilation window .
- 2.The shell can be cleaned with a neutral detergent, and then wiped with a soft cloth and water.
- 3.The filter element should be inspected regularly. It should be replaced timely.
- 4.The water tank of the ice maker and the ice bin could be directly flushed. Do not use excessive water pressure, do not directly flush the water pump and above the ice tray to prevent the circuit from being drenched.
- 5.Maintenance of condenser: clean the air-cooled condenser once every three months. Use a soft brush or a vacuum cleaner to clean its fins along the fin direction to avoid damage to the fins. Use a flashlight to check the cleaning effect.
- 6.Overwintering maintenance: In addition to turning off the water source and power supply, the residual water in the water sink, water inlet pipe and drain line must also be drained.



Water filter element must be regularly replaced.



Fin of condenser is very sharp, pls be careful.

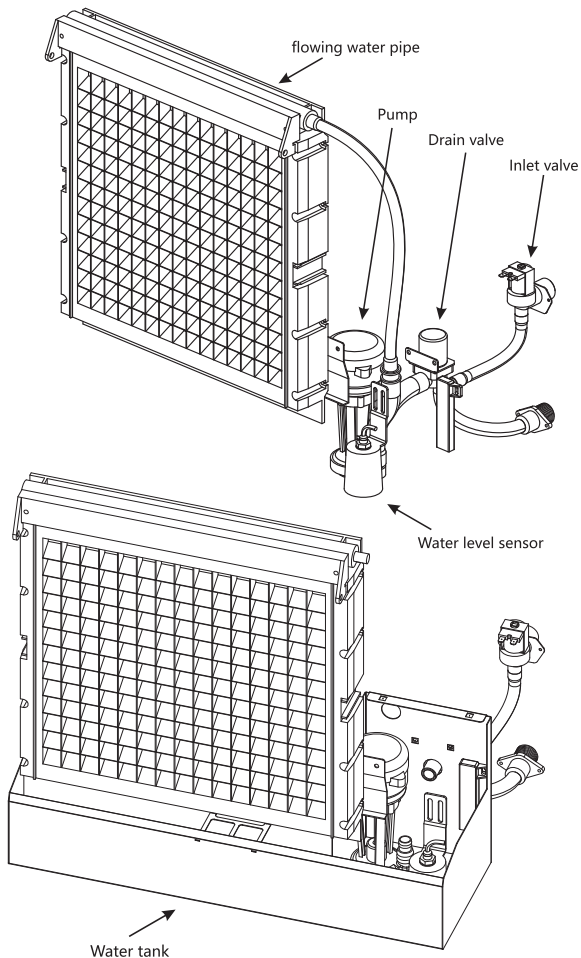


Ensure the cut off of water and power before maintenance.

Water tank cleaning

Impurity scale in the water will be deposited after a period of time, which will affect the color, quality and taste of the ice. If it is not removed timely, ice machine will not work normally.

Too much scale accumulated in the water tank will make the pump impeller stuck. If this issue came out, please cut off power, and disassemble the water pump and clean it.

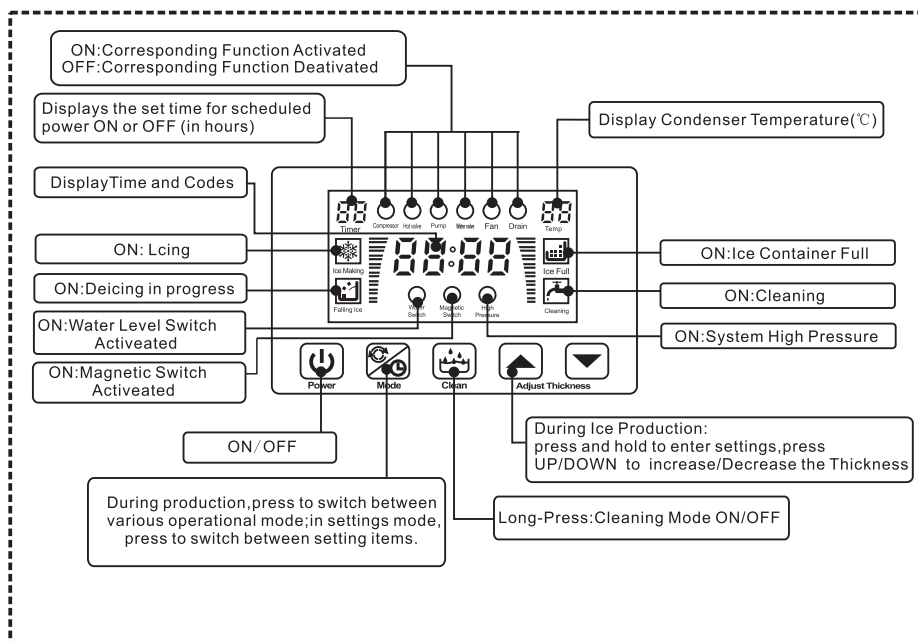


LED Control Panel

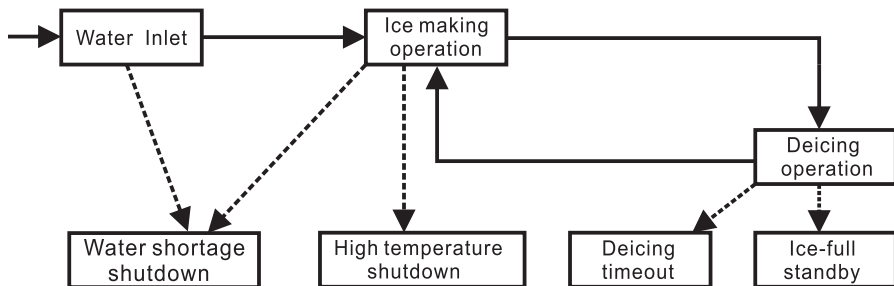
This is a fully automatic ice maker. All programs of the SA control panel have been set up in the factory.

Usually, users only need to do some simple operations. Please put the machine in a proper position and connect the power supply.

Some models have a red switch on the back or left side, please turn it on. At this time, the SA control panel will light up, and the machine will run automatically without any other operation by the user.



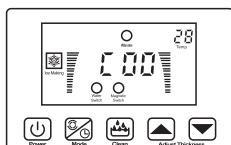
Ice Making Working Process



LED Panel Running State



Shutdown



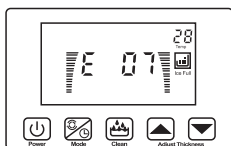
Water Inlet



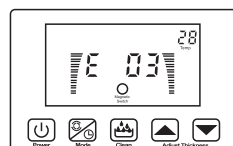
Ice making operation



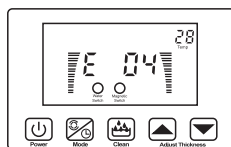
Deicing Ice



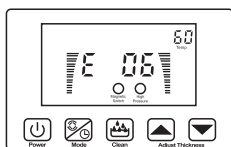
Ice Full



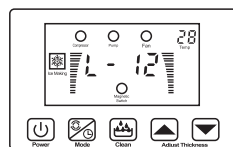
Deicing timeout



Water shortage shutdown



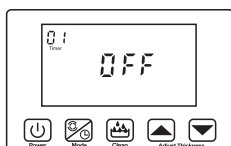
High temperature shutdown



Adjust thickness



Cleaning program



Appointment start



Appointment shutdown

LED Panel button Operatioin



Power Button:

1. In the ON state, short press to enter standby (OFF) mode.
2. In standby (OFF) mode, short press to enter ice-making mode.



Mode/Timer Button:

1. In pre-cooling mode, short press to enter ice-making mode.
2. In ice-making mode, short press to enter ice-release Mode.
3. In ice-release mode, short press to return to ice-making mode.
4. Press and hold for 3 seconds to enter timer setting.
5. In parameter setting mode, short press to select parameter options.



Cleaning Button:

1. In standby state, press and hold for 3 seconds to enter cleaning mode.
2. In cleaning mode, press the button to exit cleaning and enter standby state.



UP/DOWN Button:

1. When the machine is ON, press and hold for 5 seconds to enter parameter setting mode, the machine will exit the setting mode if no user-input for 10 seconds.
2. In timer or parameter setting mode, short press the UP button to increase the selected parameter, and short press the DOWN button to decrease it.

Ice Thickness Adjustment:

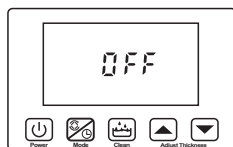
In the ON state, press and hold UP or DOWN button to enter thickness setting mode. The screen will display "L +" followed current thickness level. To increase the ice thickness, press the UP button once to add 1 minute ice-making time. Conversely, to decrease ice thickness, press the DOWN button once to reduce the ice-making time by 1 minute.

NOTE: The default factory setting is level 12.

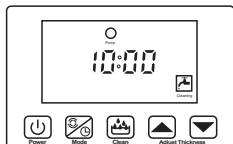
It is not recommended to make large adjustments, as setting the level too low may prevent ice-making and setting it too high may result in overly thick ice that cannot be released properly

LED Panel Functions operation

Waterway flushing steps



1. Turn off the machine and will display characters as above.

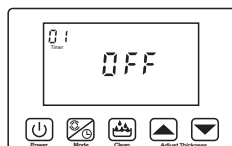


2. Press and hold the button  for 3 seconds, The display will be that as showed, System starts to countdown
3. The machine opens the inlet valve and begins to inject water, the pump begins to work, pump the water into the spray pipe, flows to the ice plate, and rinse the ice grid

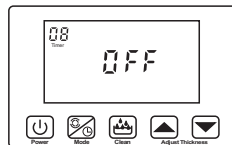


4. After running the cleaning procedure for 10 minutes, the drain valve opens to drain the water from the sink, after which the system returns to the OFF

Appointment time



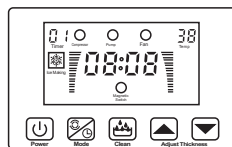
1. In standby mode, press the button . The upper left corner of the screen shows that the default time is 1 hrs and sparking.



2. Press button  each time, the time will be lengthened by 1 hrs.

Press button  each time, the time will be shortened by 1 hrs.

After the numbers stop flashing, press the button  to cancel.



3. Please ensure that the machine is in ice production state. Press and hold the button  for 3 seconds,

The upper left corner of the screen shows that the default time is 1 hrs and sparking.



4. Press button  each time, the time will be lengthened by 1 hrs.

Press button  each time, the time will be shortened by 1 hrs.

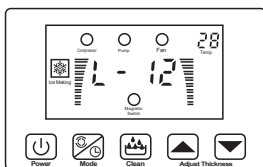
After the numbers stop flashing, Press and hold the button  for 3 seconds to cancel.

LED Panel Functions operation

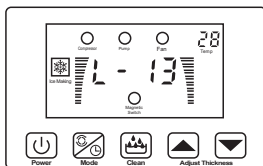
Adjust the thickness of ice block



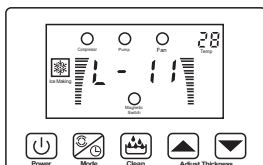
1. Please ensure that the machine is in ice production state. The LED screen displays the content as shown in the picture above.



2. Press and hold the up button  for 5 seconds. The position on the screen indicating time will display "L12" sparklingly.



3. Press button  the thickness setup of ice block will be increased by 1 level, the maximum level is 30.



4. Press button  the thickness setup of ice block will be decreased by 1 level, the minimum level is 1.

Adjust the thickness of ice block

5. After properly adjustment, please do not operate the screen. After a delay of 3 seconds, the program will be automatically saved and implement ice making progress



suitable
thickness
of ice



Ice cube
is too
thick



Ice cubes
are too
thin

6. The ice cube thickness will be various according to different ambient temperatures. Provided the thickness. If the thickness changes too much, then adjust the relevant ice thickness. In general, it is not recommended to adjust it arbitrarily.

7. The adjust value range of ice cube thickness should too wide. Generally, it can solve most issues by adjusting within 3 values.

8. After the adjustment, please make a few plates of ice and observe it.

General Precautions

1. This appliance is suitable for the catering industry, such as kitchen areas in shops, offices, or other workplaces; farms, hotels, motor hotels, residential environments, family hotel environments, catering, and similar non-retail applications.
2. Do not store hazardous chemicals such as organic solvents and sprays in the appliance.
3. The machine installation failure must be replaced and repaired by the manufacturer or professionals.
4. When transporting and moving the position, the tilt of the ice machine must not exceed 45 degrees.
5. Please use an independent water source for the ice maker, and check it regularly to prevent low water pressure, fluctuations, or clogging of the filter.
6. Do not store any debris in the ice storage room, let alone freeze or ice any food in the ice storage room, and keep the ice shovel clean
7. When opening and closing the plastic door of the ice storage bin, please open and close it gently. Do not hit the door. After taking the ice, please close the sliding door of the ice storage bin.
8. The ice machine should be far away from heat sources, and it is strictly forbidden to use it in high or low-temperature environments. Avoid direct sunlight as much as possible to avoid affecting the heat dissipation of the machine
9. For appliances with removable hose assemblies connected to the water source, the new hose assemblies included with the appliance should be used, and old hose assemblies cannot be reused.
10. It is forbidden to directly pour water to rinse the surface of the ice machine, otherwise, it may cause short circuits, surges, and other faults.
11. After the ice maker has been used for a period of time, if it is left unused for a long time, it should be powered on for 4 to 6 hours every two months.

12. If this appliance needs to be disposed of, it should be disassembled and classified. The metal part and the plastic part can be recycled and processed; the adiabatic foaming agent is a non-flammable combustible material, which must be disassembled according to the local combustible garbage classification and treatment method.

Issues Checked before Calling Help

If the machine is abnormal, please check and confirm the following issues before calling help:

1. Check whether the water inlet of the ice maker is normal. Unscrew the ice-making water inlet interface on the back of the machine for inspection. When loosened to a certain extent, water will leak. If it leaks for a long time, it indicates that the water inlet is normal; otherwise, there is no water.
2. If the ice maker is powered on but the display screen is not lit, ask a professional to check whether the machine is powered on and check the socket.
3. Please inform us of the model and serial number on the nameplate on the back of the machine.

Fault Code

LED panel	Fault	Fault description
E 01	Malfunction of condensation probe	condensing temperature sensor open circuit fault
E 02	Water temperature sensor	water temperature sensor open circuit fault
E 03	Deicing timeout	overtime deicing failure 3 consecutive deicing times exceed 6 minutes
E 04	Water storage shutdown	The water intake process does not reach the specified water level for more than 8 minutes
E 05	High temperature shutdown	High temperature shutdown condensing temperature exceeds 70 degrees for 5s
E 06	High pressure shutdown	High pressure shutdown condensing temperature exceeds 70 degrees for 5s
E 07	Ice full	1.Before power-on, the water baffle is detached or the ice full switch is not installed properly; 2.The ice removal plate is not reset within 30 seconds after ice removal; 3.The ice removal plate has not been reset for more 4 minutes during ice making; 4.Ice full switch fault;

LED panel	Possible Cause	Solution
E 01	1. The sensor is damaged;	1. Contact after-sales/video guidance/confirm the point of failure;
E 02	2. Cable/connector problem;	
E 03	1. The ice cube setting is too thin; 2. The water tank is insufficient; 3. The ambient temperature is too low; 4. De-icing solenoid valve failure;	1. Check and set the water thickness parameters; 2. Check the water inlet system, or if the water sufficient; 3. Use membrane materials to block the ventilation inlet area proportionally; 4. Contact after-sales/video guidance/confirm the point of failure;
E 04	1. The condenser temperature is too high; 2. The refrigeration system is blocked; 3. Pressure switch failure;4. The main control board is abnormal;	1. Improve environmental ventilation or displacement, or turn on air conditioning; 2. Check the condensation heat dissipation system; 3. Contact after-sales/video guidance/confirm the point of failure;
E 05	1. The ambient temperature is too high; 2. The cooling effect of the condensing system is poor; 3. The cooling fan is damaged;	1. Improve environmental ventilation or displacement, or turn on air conditioning; 2. Clean the condenser; 3. Contact after-sales/confirm the point of failure;
E 06	1. No water supply; 2. The water supply pressure is too low; 3. Water tank leaks; 4. The water level sensor fails; 5. Malfunction of the inlet valve;	1. Check the water source or whether the water filter is blocked; 2. Check the water supply pressure or whether the water filter is blocked; 3. Check whether the bottle cap at the bottom of the water tank is tightened and sealed; 4. Contact after-sales/video guidance/confirm the point of failure;
E 07	1. De-icing plate is missing or misplaced; 2. The polarity of the magnetic induction element is reversed; 3. Abnormal ice full switch;	1. Reset the ice removal plate; 2. Replace the ice removal plate/full ice sensor; 3. Contact after-sales service/visual trouble guidance/confirm the fault point;



The user manual is a very important part of the product, please keep it well.