

# **VEVOR<sup>®</sup>**

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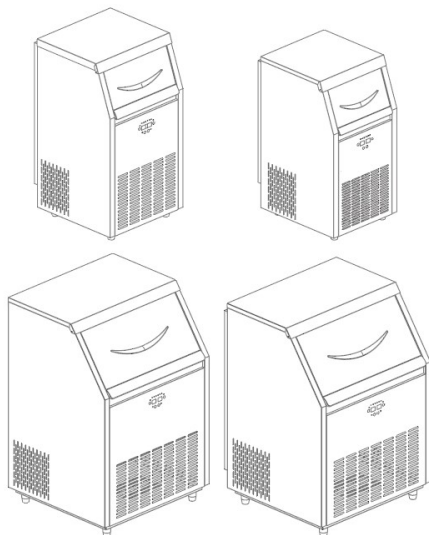
## **COMMERCIAL ICE MAKER SERIES PRODUCT MANUAL**

**MODEL: SSX80 SSX90 SSX100 SSX110 SSX120  
SSX130 SSX140 SSX300 SSX440**

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

**ODEL: SSX80 SSX90 SSX100 SSX110 SSX120  
SSX130 SSX140 SSX300 SSX440**



## **NEED HELP? CONTACT US!**

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

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## 1. The warning diagram and operation safety instructions









			
Prohibition mark	Warning mark	Beware of fire	Dangerous voltage
Indicates a prohibited act that could cause fatal injury or serious injury	Indicates matters that may cause personal injury or damage to items	Indicates that the material used is a combustible material, beware of fire	Indicates a high-voltage electric danger zone, beware of high-voltage electricity















**Note:** Be sure to keep this manual in a location that users can access at any time.

## Safe operation precautions.

 <b>Caution</b>	After receiving the goods, you have to let the compressor's lubricating oil settle for 24 hours to start the use, otherwise it will easily damage the compressor.
	Do not use the ice machine in the open air. When the ice machine is wet by rain, it may cause electric leakage or electric shock.
	Never place this ice machine in a wet location or where it is subject to splashing water. Damage to the insulation of the ice machine may cause electric leakage or electric shock.
	Never spray water directly onto the ice machine. A wet ice machine may cause electric shock or short circuit.
	Be sure not to put volatile or flammable substances into the ice machine. Storage of such materials may cause an explosion or fire.
	The ice machine should only be installed by qualified engineers or maintenance personnel. Installing the ice machine by yourself may cause gas or liquid leakage, electric shock or fire.
	Never disassemble, repair, or modify the ice machine. If such work is performed by unqualified personnel, it may cause fire or personal injury due to work failure.
	Never ground the ice machine through a gas pipe, water mains, telephone line or lightning rod. This is considered unsafe to ground.

	<p>Never insert metal materials such as iron pins or wires into the vents, passage holes or exhaust ports for air circulation in the tank. This may result in electric shock or personal injury due to accidental operation of moving parts.</p>
	<p>Be sure to place the ice machine firmly on a solid floor. If the floor is not strong enough or not placed properly, it will cause damage due to the ice machine being turned upside down or overturned.</p>
	<p>Be sure to use the dedicated power supply specified on the nameplate of this ice machine. Using a branch socket may cause a fire.</p>
	<p>Be sure to insert the power plug firmly into the outlet after removing the dust. A dusty socket or improperly inserted may cause a fire.</p>
	<p>Use a grounded outlet to prevent electric shock. In the unlikely event that there is no grounded outlet, the grounding device must be assembled by a qualified engineering technician. The socket should be in an easily accessible position after installation.</p>
	<p>If there is any abnormal temperature or alarm in the box for any reason, you must immediately transfer the contents of the box to a safe place to avoid your loss.</p>
	<p>This appliance contains flammable materials and must be disposed of and recycled by qualified personnel and agencies.</p>
	<p>Do not use mechanical equipment or other means to speed up the defrosting process except as recommended by the manufacturer.</p>

	Do not damage the refrigeration circuit.
	Except for the type recommended by the manufacturer, the appliance must not be used in the food storage room of the appliance.
	Use the new hose assembly that comes with the appliance and the old hose assembly cannot be reused.
	When handling toxic, hazardous or radioactive materials, use this ice machine in a safe place. Improper use may adversely affect your health and the environment.
	The disposal of the ice machine should be done by a special person. Never throw the ice machine away and let it be natural. This may cause the child to be shut down in the ice machine.
	There are no obstructions around the appliance or in the embedded structure, keeping the ventilation open.
	Unplug the power cord before cleaning, maintaining, or inspecting the ice machine to prevent electric shock or personal injury.
	Some models use flammable refrigerants and flammable foaming agents, beware of fire, (the product has a "beware of fire  " mark). When an abnormality occurs in the product, it must be repaired by qualified personnel and institutions.

	<p>This appliance contains a flammable blowing agent, cyclopentane, which must be disposed of and recycled by qualified personnel and institutions.</p>
	<p>Children should be supervised to ensure that children do not play with the machine.</p>
	<p>When the ice machine malfunctions, unplug the power cord. Continued abnormal operation may result in electric shock or fire.</p>

### **Electrical safety matters**

- 1.The working voltage of the ice maker should be consistent with the famous brand. If the voltage is not in this range, please purchase a voltage regulator above 1000W.
- 2.Be sure to connect the ground wire and ground it safely. The ground wire should not be connected to the water pipe or gas pipe.
- 3.In order to protect the compressor, do not start the ice machine again within 10 minutes after power off or shutdown.
- 4.Please do not connect other electrical appliances to the same socket.
- 5.If the power cord is damaged, in order to avoid danger, it must be replaced by a person arranged by the manufacturer or a qualified professional.
- 6.The electrical control system has a voltage of more than 36V, do not open and touch when used, if you need to repair, please contact the manufacturer or have relevant qualified technical personnel to deal with.

**WARNING:** Do not operate the ice machine when a gas leak occurs in the environment in which the ice machine is located. Because the spark caused by the opening and closing of the plug or the temperature controller may cause a fire, the air source should be cut off and the window should be opened to allow air to circulate.

## Installation Precautions

Requirements for handling and moving conditions:

When transporting, the cabinet should be kept as straight as possible, and the inclination should not exceed 45° at most. Do not invert and lie horizontally.

**To operate the ice machine properly and get the best performance, place the ice machine in the following conditions:**

### 1. Solid and flat ground

Place the ice machine on a solid, level surface to avoid excessive vibration and noise.

### 2. Keep away from the heat source




Avoid placing the ice machine near hot equipment such as gas stoves or stoves. Heating the ice machine can cause a decrease in cooling efficiency.

### 3. Avoid direct sunlight





If the ice machine is installed in direct sunlight, it may cause abnormal work and may shorten the working life of the ice machine.

### 4. Dry area

Avoid placing the ice machine in a wet area, for example, near a faucet or near a sink.

 <b>Be careful</b>	After receiving the goods, you have to let the compressor's lubricating oil settle for 24 hours to start the use, otherwise it will easily damage the compressor.
	If the ice machine is placed in a wet area, a disconnect switch must be installed and the ice machine must be grounded. Install the disconnect switch on the power line. For further information, consult the ice machine retailer or electrical technician.
	

## Caution

	Always use a plug with a grounding structure and ground the ice machine to prevent electric shock during a leak.
	Replacing a grounding terminal with a water pipe will not provide proper grounding protection in many situations, as plastic pipes are often used in plumbing.
	Never ground the ice machine through a gas pipe as this is very dangerous.
	Never ground the ice machine by telephone line or lightning protection, because if lightning strikes, a large current will be generated, which makes this grounding very dangerous.

**5.Nothing will fall to the ice machine.**

**6.Installation and operating instructions shall be provided with cautionary statements concerning the handling, moving, and use of the ice maker to avoid either damaging the refrigerant tubing, or increasing the risk of a leak.**

**7.The installation and operating instructions shall indicate that component parts shall be replaced with like components and that servicing shall be done by factory authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service.**

**8.The installation instructions shall indicate the ice maker is to be installed in accordance with the Safety Standard for Refrigeration Systems, ASHRAE 15. In addition, the instructions shall indicate the ice maker shall not be installed in corridors or hallways of public buildings.**

**Environmental conditions:**

**This equipment is designed in accordance with the following conditions:**

1.Indoor use.

- 2.The altitude is not higher than 2000 meters.
- 3.The ambient temperature is in the range of 10 ° C to 32 ° C.
- 4.When the temperature is not higher than 31 °C, the maximum relative humidity is 80%, and the maximum relative humidity decreases linearly with increasing temperature.
- 5.The main power supply voltage fluctuation does not exceed  $\pm 10\%$  of the rated voltage.
- 6.In accordance with the equipment installation level (overvoltage level) transient overvoltage.

**This appliance is used for similar purposes such as:**

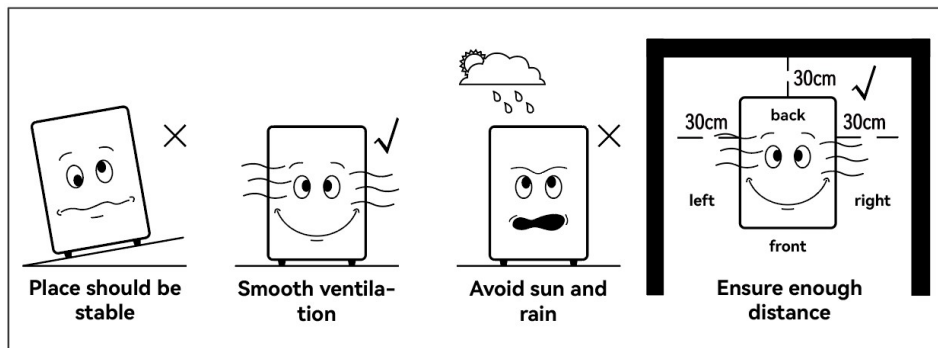
- a kitchen area in a store, office or other workplace;
  - Farmers as well as hotels, motels and residential environments; Family
  - hotel environment;
- Catering industry and similar non-retail applications. This appliance is not intended for general household use.

**Correct operation**

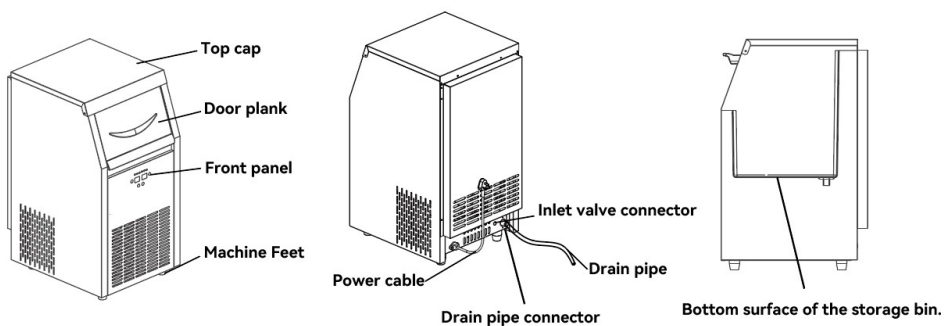
When using for the first time and continuous operation, please follow the rules below.

- 1.Connect the ice maker to a special socket (the power supply is consistent with the famous brand).
- 2.The ice machine needs to run for a long time to stabilize the temperature in the ice storage room, and minimize the number of door opening during this period.
- 3.The ice machine is surrounded by a cooling system for cooling the system. It is forbidden to block the items.
- 4.After completing the inspection of the operation of the ice machine, turn on the power of the ice machine and let the machine start making ice.
  - Use an independent water source for the ice machine and check it regularly to prevent low water pressure, fluctuations or filter clogging.
  - Do not store any debris in the ice storage room, or freeze or freeze any food in the ice storage room and keep the ice shovel clean.

- When the ice storage bucket is plasticized, it should be lightly opened and closed. Do not drop the door. After the ice is finished, please close the sliding door of the ice storage bin.
- The ice machine should be kept away from heat sources. It is strictly forbidden to use in high temperature or low temperature environment. Try to avoid direct sunlight, so as not to affect the heat dissipation of the machine.
- Do not directly wash the surface of the ice machine by splashing water. Otherwise, it may cause short circuit or electric leakage.
- After using the ice machine for a period of time, if it is left for a long time, it should be energized every 4 months for 4 to 6 hours.



## 2. Installation instructions



Due to the product is updated and classified continuously, the

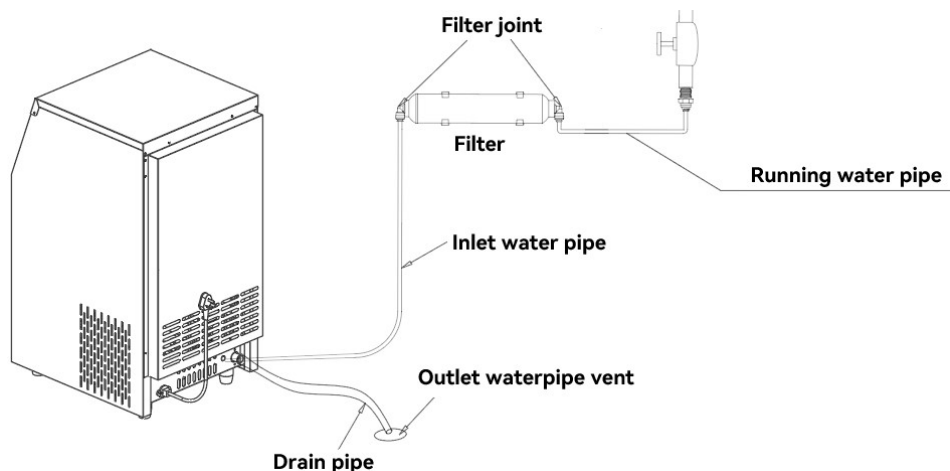
machine you get may not be as the same as the picture completely in the manual. Please give your understanding. We will improve it continuously.

1. It should use the filtered drinking water with normal temperature to make ice.
2. The pressure of water supply should be controlled between 130-550 kpa. If the water pressure is over high, please install a relief valve. Do not let the hose be under high pressure.
3. Please connect the outside branch hose of the machine to the tap of the drinking water filter. The filter has a sign to show the outlet and inlet.
4. Connect the inlet of the filter to the tap of the drinking water.
5. To ensure the smooth drainage of the machine, it is important to ensure that the drainage pipeline is below the bottom surface of the machine. The drainage pipe of the machine with a drainage pump has to be lower than the bottom surface of the storage bin.

## Warning

It's merely permitted to connect to the drinking water

## All-in-one installation



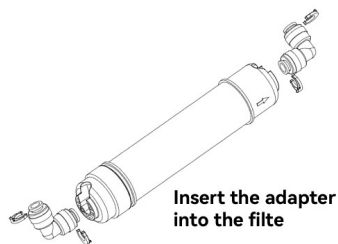
## The instructions of the filter installation.

### The instructions of the filter installation

#### The instruction of the filter installation



#### The instruction of quick installation for the filter



#### The installation for the pipeline and joint

①



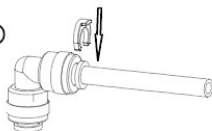
1. Take off the blue clip

②



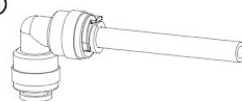
2. Make the orifice flat, insert the pipe stopper firmly, make sure the orifice to connect the inside seal firmly.

③



3. Fix the blue clip on

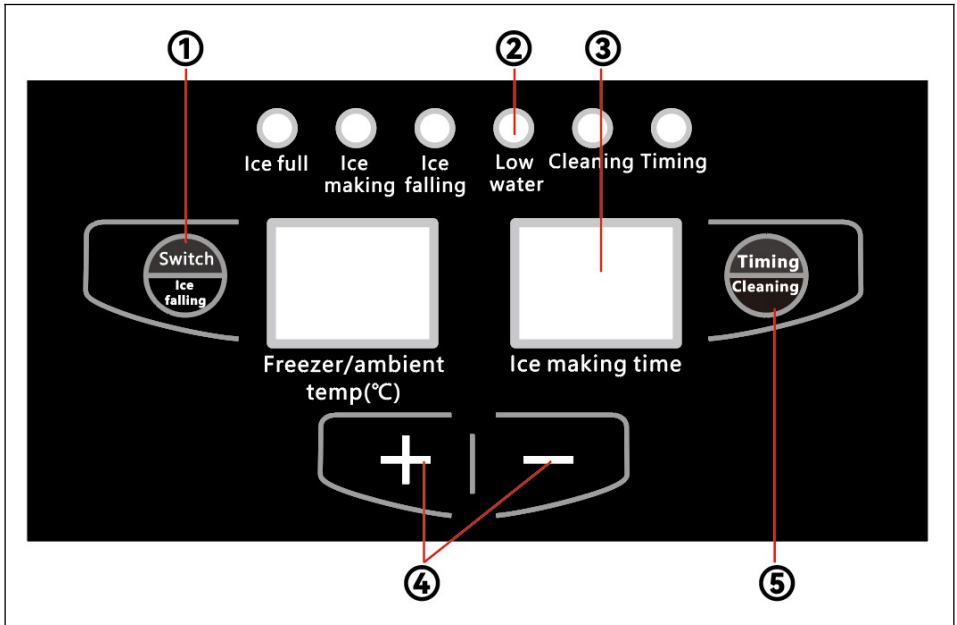
④



4. Finished installation

## 3. Operating Instructions

Function description of four-button digital tube operation panel.



① Power switch and deicing key after power on, click to enter the ice making state; Click to enter the deicing state during the ice making process; In the ice-making and de-icing state, press and hold for 3 seconds to enter the shutdown state.

② **LED light:** Represents the state of the machine

③ **Digital display tube**

The left digital tube displays the ambient temperature and return air temperature; The digital tube on the right shows the timing switch time and ice making time.

④ **+ - button;**

Adjust the thickness of the ice cube in the off state; In the state of timing off or timing on and off, Adjust timing switch time; Long press the "-" button for 3 seconds to turn on or off the light.

⑤ **Cleaning and timing button**

In standby mode, press the key continuously for 3 seconds, the system

enters the cleaning mode; Press this button when starting up to enter the countdown of the scheduled shutdown, and then click to cancel the scheduled shutdown; Press this button in the standby state to enter the countdown of the scheduled power-on, and then click to cancel the scheduled power-on; The displayed time unit is hour.

## **Button Operation Instructions**

### **•Operation process**

1. Plug in the power, click the ice machine switch button, the ice machine starts to run.
2. Open the water inlet solenoid valve to enter the water. After the water level rises, the floating ball floats up. When the water level reaches the requirement, the water inlet valve is closed, and the cleaning program is run. After the cleaning is completed, it will automatically enter the ice making cycle.
3. When the thickness of the ice cube reaches the set thickness, the deicing program starts, the solenoid valve starts to work, the water pump stops working, the heat enters the evaporator, and the ice cube falls for about 1.5 minutes. When the ice cube falls, the ice falling baffle Flip and open the reed switch, when the reed switch closes again, the machine goes back into the ice making process.
4. The compressor does not stop during the entire ice making and deicing process.
5. When the ice bucket is full of ice and the magnetic reed switch cannot be closed automatically, the machine will automatically stop working. When enough ice cubes are removed and the magnetic reed switch is closed again, the machine will start up with a delay of 3 minutes and re-enter the ice making process.

### **•Ice thickness adjustment**

1. Press and hold the + key for 3 seconds and wait for the displayed number to start flashing, then click the +- key to adjust the thickness of the ice cubes. After clicking the + key, the displayed number will be minutes.

Each addition of 1 means that the ice making time will increase by 1 based on the current ice making time. Minutes, the maximum is 25 minutes; each minus 1 means that the ice making time is reduced by 1 minute based on the current ice making time, and the minimum is -9 minutes. After increasing the ice making time, the ice cubes will become thinner.

2. With the adjusted ice making time, after the current ice cube is deiced, the next ice cube will be made according to the newly set ice making time.

## **Click the blue light switch to turn it on, otherwise turn it off.**

### **•Scheduled power-on function**

1. In the standby state, press the preset timing key to execute the timing power-on function, the timing LED light is on, and the displayed number is the remaining power-on time, and the unit is hour.

2. In the timing power-on state, click + or - to adjust the remaining power-on time.

3. After executing the scheduled power-on, click the scheduled reservation button to cancel the scheduled power-on.

### **•Ice full function**

1. When the ice bucket is full of ice and the ice baffle cannot be closed automatically, the machine will stop working automatically.

2. When the ice cubes are used up, the ice baffle will reset, and the machine will automatically start up after a delay of 3 minutes. If the ice maker stops due to fluctuations in voltage and water pressure, and does not make ice or de-ice, please first After unplugging the power for 5 minutes, turn on the power to test the machine. Due to the change of water temperature and ambient temperature, ice may sometimes appear in the sink. If the ice is severe, please unplug the power for 10 minutes and then turn on the power again.

3. When not in any setting interface, force the drainage pump to work for 60 seconds and then end (including standby and startup) by continuously pressing the "-" button twice (effective within 2 seconds).




4. When the machine is powered on, the drainage pump automatically



starts for 20 seconds every 15 minutes and then turns off. Note: The machine which is in full ice, ice making, deicing, adding water, lacking water, and short-term cleaning all belong to the startup mode.

## 4. Precautions

Please follow the requirement of this manual to maintain your machine in order to increase the reliability and longevity of this ice machine, also good maintenance can avoid the over energy consumption.

1. Clean the environment around the ice machine frequently to keep it clean, and do not block the louvers used for ventilation of the ice machine.
2. The shell can be cleaned with a neutral detergent, and then wiped with a soft cloth. If necessary, commercial stainless steel cleaners and polishes can be used.
3. Filters should be checked regularly and replaced with new filters immediately if damaged.
4. The water tank of the ice machine and the interior of the ice storage room can be washed directly with water pipes. Do not use too much water pressure, and do not directly flush the water pump and the part above the ice tray to prevent the circuit from being soaked.
5. Maintenance of air-cooled ice machine condenser: Clean the air-cooled condenser once every three months. Use a soft brush or a vacuum cleaner with a brush to brush the condenser fins up and down along the direction of the fins to avoid damaging the fins and affecting the cooling effect.

	Any kinds of maintenance are not including to the warranty.
	The filter elements should be changed regularly.
	Please cut off the waterhead and electricity before you clean or check the the machine.

	<p>If there is much dirt and scale in the machine, or the circuit of pipes are blocked, please dial the telephone of after-sale service. But, it will cost fees for the door to-door service.</p>
	<p>The air-cooled condenser warping blade is very sharp. Be careful of getting hurt when you clean it.</p>

Before you dial the telephone of the after-sale service

If the ice machine runs abnormally, please dial the telephone of after-sale service. But, you need to confirm the following cases.

1. If the waterhead is normal or not.




The correct way to check it is to loosen the inlet joint (6 branch connector) behind the machine. If it leaks normally when you loosen the joint to a required value, it means normal. Otherwise, there is no water.

2. Confirm the machine if it is electrified or not.

Our ice machines are all fully automatic. So, some of models don't have electric switch. You can ask for an electric technician to help you check. Mainly, you should pay attention to the socket.

3. The model number and serial number.

There is a nameplate on the front board, and there are model number and serial number on the side board.

	<p>It will cost fees for the door-to-door service if the hitch caused by the users (for example, no water, no electricity, environment, etc)</p>
	<p>To prevent from high-pressure water spraying, do not loosen the joint of the inlet completely when you check the waterhead.</p>
	<p>Plastic parts are not included in the warranty.</p>

## **Warranty**

1. Our company agrees the warranty of the product within 1 year. The labor cost and the replacement of components are free within the warranty.

2. All the plastic parts are not including to the warranty.

3. Our warranty is limited liability. Except the machine itself, any kinds of joint liability is not in the warranty.

4. The routine maintenance ,cleaning, and all the hitches from the incorrect operation are not in the warranty.

5. All the warranty services should be finished by the machine dealers or related institutes.

## **5. Troubleshooting of this series of machines**

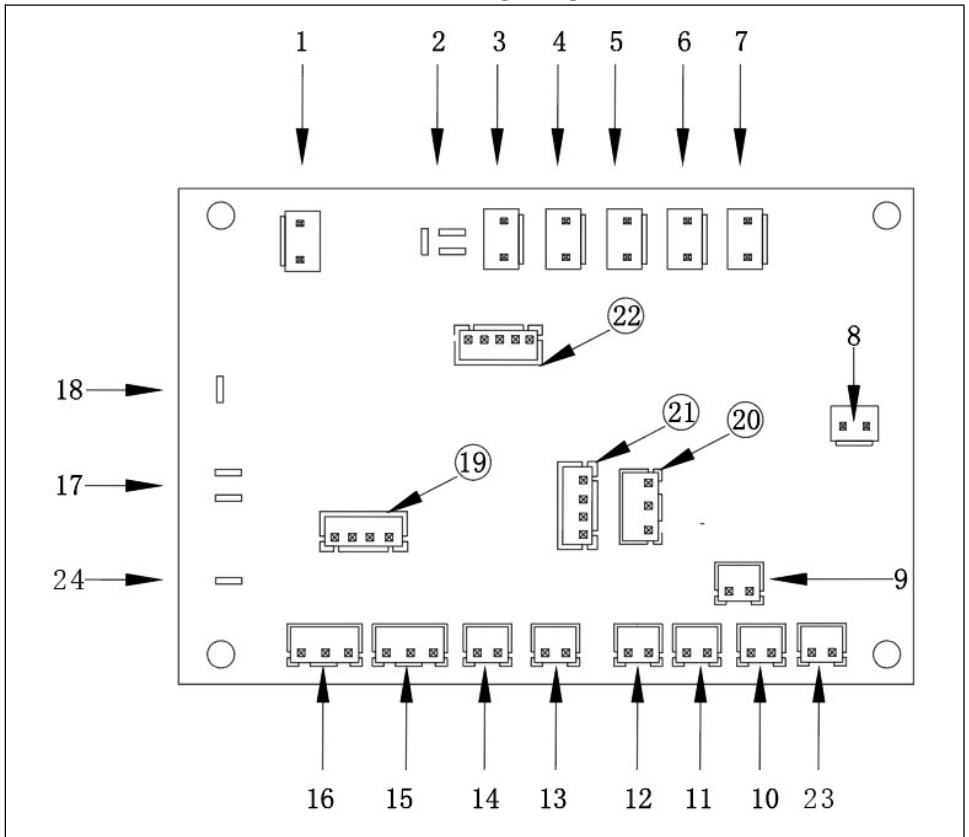
<b>Fault</b>	<b>Possible cause</b>	<b>Solution</b>
Ice machine does not work	Not connected to the power supply or water supply.	1. Fuses 2. Power switch 3. Cable 4. Water switch 5. Power plug 6. Sockets
	Ice tray baffle remains open	If the ice tray baffle could open and close automatically
The machine stops 3 minutes after it's turned on	High Voltage Protection	1. High temperature environment 2. Dirty condenser filter 3. Damaged fan motor

The machine can only make one tray of ice every time it is turned on	Ice full or ice tray baffle remains open	<ol style="list-style-type: none"> <li>1. If the ice tray baffle could open and close automatically</li> <li>2. The ice full switch whether be falls</li> </ol>
Ice could not fall off the ice tray	Dirty Ice Tray	Cleaning and disinfection needs to be done
	Machine not placed on a level ground	Adjust the machine to a level ground
	Environment temperature is too low	Environment temperature should be higher 5 °C
	Faulty Solenoid valve	Replace the solenoid valve
Ice too thin or not complete	Tank water level is too low	Check the water level check if there is any leakage
	Inlet valve does not work	Check the inlet valve
	Not enough water pressure	Water pressure must be at 0.13 - 0.55Mpa
	Water pipes are blocked	Check the pipes and joints for dirt

Ice making is slow	Condenser is dirty	Clean the condenser
	Temperature too high or the ventilation is bad	Ambient temperature should not exceed 40 °C, and ensure ventilation
	The float ball in tank is too high or there is leakage	Adjust the float ball or replace the water tank
	Water tank leakage	Replace water tank
	Inlet valve could not be closed tightly or leakage	Clean or replace the inlet valve
	Not enough space around the machine	Provide adequate space
Ice full indicator light is lit up but there is no ice	Faulty ice tray baffle	Check if the ice tray baffle is stuck
E1 Alarm	Ambient temperature sensor get broken	Replace ambient temperature sensor
E2 Alarm	Return air temperature sensor get broken	Replace return air temperature sensor
E1,E2 Alarm	Ambient temperature sensor and return air temperature sensor both get broken	1.replace ambient temperature sensor and return air temperature sensor 2.provide enough space

## 6.Circuit diagram

## Small ice maker mother board wiring diagram.



1. Elementary Transformer Pavilion
2. Zero line
3. De-icing valve
4. Water pump
5. Fan
6. Inlet valve
7. Drain valve
8. Transformer Secondary
9. Ambient Light
10. blue light
11. Float
12. Evaporation probe

13. Condensation probe
14. Drainage options
15. Blue light control
16. De-icing detection
17. Connect live wire
18. Compressor live wire
19. Connect to Swift serial port
20. Ice full probe
21. Download port
22. Display screen
23. Direct current fan
24. Connect machine

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