

Instruction Manual for Automatic Ice Maker



ZB-25



ZB-12

.

Contents

● Features -----	1
● Notice Before Use -----	1
● Structure Diagram -----	2
● Appliance Operation -----	3
● Maintenance -----	4
● Technical Data -----	4
● Problems and Solutions -----	4
● Circuit Diagram -----	5

● **Features:**

Our Automatic Ice Maker Series produce button-shape ice. It looks elegant and pleasing to the eye. It makes crystal clear ice in a short time with a large ice making capacity and can defrost fastly. The ice making procedures are all automatically controlled by computer, from water-supply, ice-making, defrosting to ice storage, etc. It makes ice continuously. The indicator light in the control panel flashes if it is short of water or ice basket is full, and it stops running. With foamed ice basket, it has good insulation and the ice cannot be melted easily. It can use purified water or tap water to make ice.

● **Notice before use**

1. Do not place the machine on its side or up-side down for fear of compressor or refrigeration system failures.

2. Do not worry that the ice will be polluted and cannot be eaten when used the first time or after a long time of non-use because it has auto-cleaning function. However, it is strongly suggested that the water dispense function be set up first (the water dispense indicator light is on) before dispensing two glasses of water by pressing the button with a glass.

3. Do not put the machine near heat sources. The location should provide a firm and level foundation for the equipment. It should be located in a surrounding of at least **150mm** with no corrosive air and good ventilation .

4. Adjust the feet at the same lever when locating the machine, otherwise the water level will not be even, which will affect the ice shape. Let the machine stop for 12 hours before starting it up for the first time.

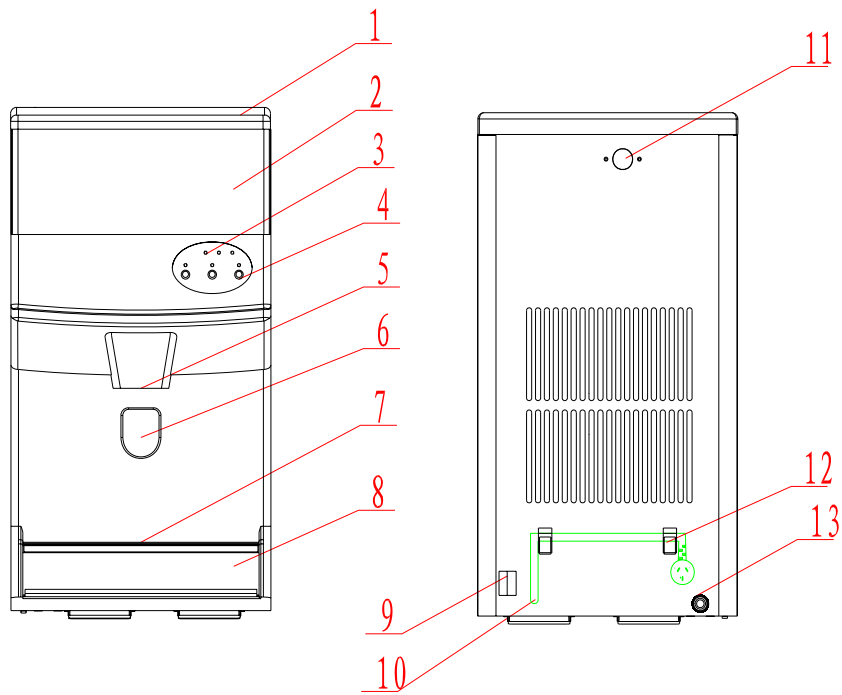
5. Water drain exit should be lower than the machine body in order to drain water smoothly. The outlet of draining pipe should be lower than the cube in order for smooth and free flow.

6. Rating voltage should be: 187V-242V.

7. Plug cable cord should be $\geq 6A$, $0.75mm^2$, single core or multi-core, with 5A fuse.

8. Three-pin plug with good earth contact is strongly required.

● **Structure Diagram:**



- | | | | |
|---|------------------|----|------------------------|
| 1 | Top Cover | 8 | Water Tray |
| 2 | Front Panel | 9 | Power on/off Switch |
| 3 | Indicator Lights | 10 | Power Cable |
| 4 | Control Panel | 11 | Water Inlet Connector |
| 5 | Ice/Water Outlet | 12 | Power Cable Clamp |
| 6 | Button | 13 | Water Outlet Connector |
| 7 | Water Tray Cover | | |

● Appliance Operation

1. Unpack the machine and take out the accessories inside the ice basket, such as instruction manual, water inlet pipe, drain pipe and so on.

2. Put the machine in a location with good ventilation, and away from any heat source, at least 150mm away from the wall. Be sure to place it on a sturdy level surface.

3. Connect the water outlet pipe into the water drain connector at the back of the machine, and put the other end of the pipe into the drained water tray (self-prepared) or inside the drain.

4. Connect the water inlet pipe to the drinkable tap water pipe (with 3/4 thread connector). The water pressure should be 1-8Kg/cm², connect the other side of the pipe to the water valve with thread inside at the back of the machine. Be sure that a sealing washer is put on both sides of the water inlet pipe when connecting it.

5. Plug the power cable, press power on/off switch at the back of the machine, the power indicator light is on in the front control panel. Ice machine starts working and the ice making cycle starts automatically and continuously. Ice full indicator light is on when ice basket is full of ice, at this moment, the machine stops; Adding water indicator light is on when water supply is cut off, and the machine **stops**

6. If the water supply is from purified water, when the machine is started, if adding water indicator light is on, there might be air in the water inlet pipe, then the water inlet pipe should be disconnected from the water valve and turn on the water inlet switch, until the air totally comes out from the water inlet pipe, then connect the water inlet pipe quickly to the water valve. **Note: the need for conducting pressurized water, or water should not normal.**

7. Press button 4 in the control panel and select ice, or ice and water, or water, ice, ice and water, or water can be dispensed by pressing the button in the front of the machine.

● **Maintenance**

1. Check the water inlet/outlet connector regularly in order to dispose the leaking water.

2. When the machine is not to be used, it is strongly recommended that it be disconnected to water tap and remove all the water in the water pipe by pressing the button in the front for 10 seconds.

3. When plug or unplug the power, please hold the plug by hand instead of pulling the cable.

4. When cleaning the machine, please unplug the power plug first, use soft towel and neutral detergent to clean the machine with clean water. It is not allowed to clean the machine with hot water, decontaminating cleaner, acid or alkali cleaner, or any organic benzene cleaner.

● **Technical Data** (tested under 15°C ambient temperature and 10°C water temperature)

Model	Ice Making Capacity Kg/24h	Climate	Protection Against Electric Shock	Power (W)	Voltage (V)	Refrigerant R134a (g)	Dimension (mm)
ZB-12	≥12	N	I type	160	220	100	520*200*640
ZB-25	≥25	N	I type	200	220	150	520*350*685

(The above data may vary. No specified notice will be given, all the data is referred per the sticker .)

● **General failures and Solutions** (For users and maintenance technicians' reference)

:

Failure	Reasons	Solutions
Ice maker does not work	<ol style="list-style-type: none"> 1. Rated voltage is lower than 187V 2. Ambient temperature is higher than 45°C 	<ol style="list-style-type: none"> 1. Stop the machine until power is resumed, then restart it. 2. Restart making ice when the ambient temperature comes down to 45°C or lower.
Compressor works but ice is not made	<ol style="list-style-type: none"> 1. Refrigerant leaking 2. Refrigeration system is blocked; 3. Magnetic valve is constantly on 4. Condenser fans does not work 5. Water shortage 	<ol style="list-style-type: none"> 1. Check the leak and reload the refrigerant; 2. Add nitrogen into the system and change the filter 3. Change the magnetic valve 4. Check the condenser fan work or not 5. Check the water supply system (water valve and water inlet pipe)
Compressor does not work	<ol style="list-style-type: none"> 1. Ice is full 2. Compressor stops (temperature of the compressor cover is too high) 	<ol style="list-style-type: none"> 1. Take out some ice 2. Stop the machine for 1 hour and restart it

● **Instruction of Indicator Lights**

Item	Power indicator(red)	Ice making indicator (green)	Ice full indicator (yellow)
Machine failure	Flash 1 time per 20 seconds		
Water shortage	Flash 1 time together per 20seconds		
Condenser Sensor failure			Flash 1 time per 20 seconds
Evaporator Sensor failure		Flash 1 time per 20 seconds	
Refrigeration system failure	Flash at the same time		

Circuit diagram

