

Direct Cooling Block Ice Machine

Preparation Steps



Direct cooling block ice machine specification

Cooling method:	Water cooling
Voltage:	380v 3p 50hz/220v 3p 60hz/etc.
Compressor:	Germany Bitzer/Italy Refcomp/Hanbell

Before starting

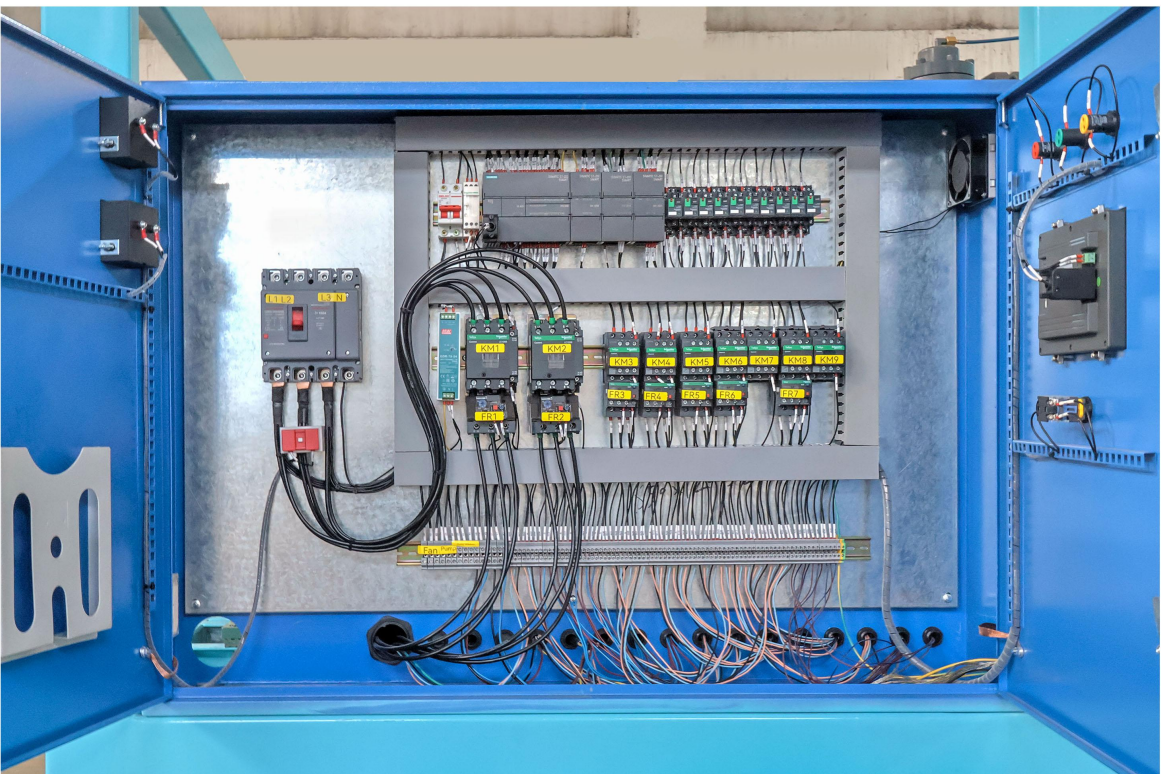
1. After receiving the goods, first check whether the parts of the unit are damaged due to transportation. If so, repair them first. Check whether the pressure gauge has pressure. If not, check for leaks and repair them.



2. The equipment should be placed in a horizontal position, and the foundation should be solid, with sufficient space for operation and maintenance around it;



3. The equipment should not be placed outdoors and should be protected from rain and sun exposure;
4. Power on the equipment, connect the 3*16+1*10 square copper core cable to the corresponding power switch of the unit, and ensure that the power phase sequence is correct;



6. Connect the pipes between the cooling tower, cooling water pump and unit. The arrow of the cooling water pump should point to one end of the unit, and connect the water supply pipe of the cooling tower.



Water pump

7. Connect the power cables of the cooling water pump and cooling fan to the corresponding terminals of the electrical box according to the drawings, and debug the running direction in manual mode;

8. Connect the water supply pipe according to the actual situation on site; (provided by the customer)



9. After everything is ready, the unit should be powered on and preheated for at least 4 hours before starting the refrigeration machine (during the preheating period, the power indicator light of the electric box should be kept on, otherwise it cannot be preheated), and preheating is required in the event of a long power outage in the future.

Before starting the machine, open the three valves with yellow labels at the bottom and top of the reservoir, which are labeled "Open this valve before starting the machine". If you are not sure, please contact the company;

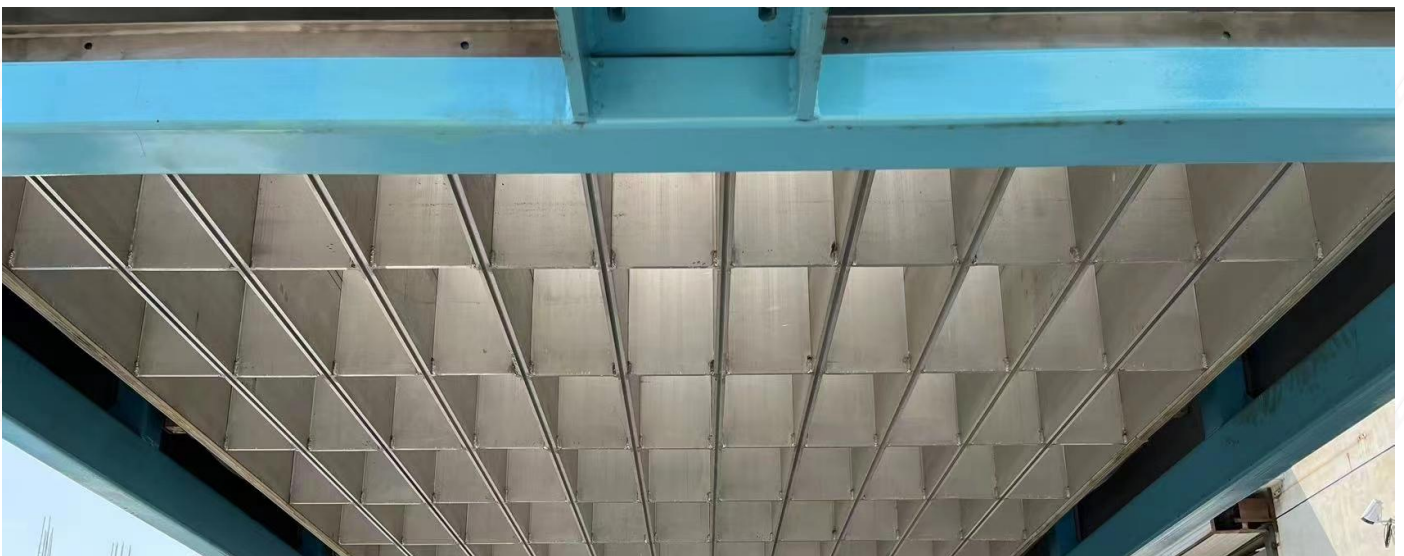


Use Operation steps

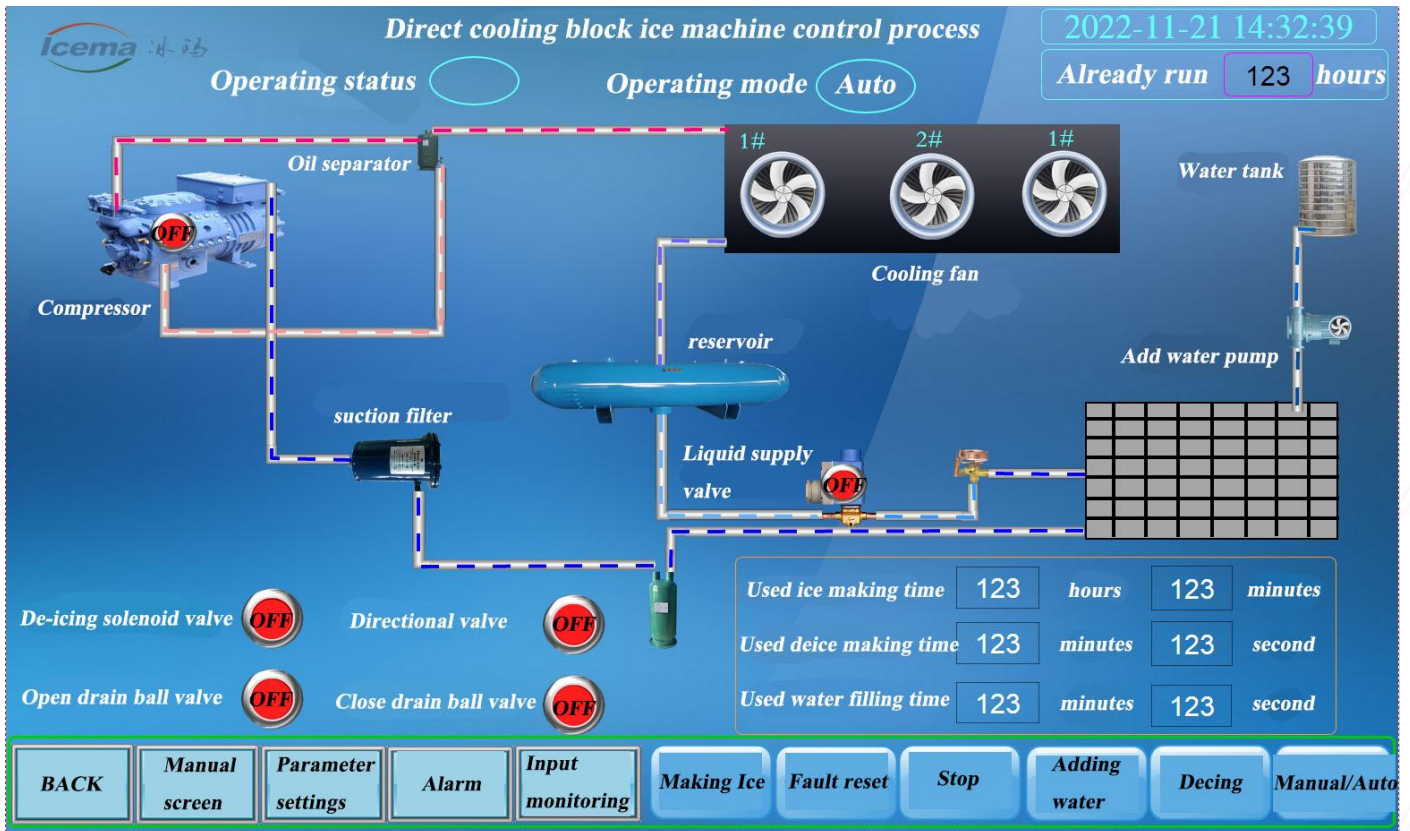
1. Turn the platform up switch, and stop when the platform reaches the upper limit;



2. Add water to the ice mold, and leave at least 12 cm of space at the top of the mold. Do not fill it up, otherwise the ice will bulge out. As a result, the ice cannot be removed;



3. After adding water, press the ice-making button to start ice-making. The ice-making time is adjusted according to the actual usage;



4. The unit will automatically stop when the ice-making time is up;

5. Press the ice-removal button to remove ice after at least 1 hour of ice-making shutdown. After about 20 minutes, turn the platform down switch to lower the platform, and observe whether all ice is separated from the ice mold. After the platform drops to the lower limit, press the stop button to stop removing ice;



Precautions

1. No one is allowed to stand at the bottom of the platform at any time. If it is unavoidable, the entire platform needs to be supported before entering, otherwise it is easy to cause personal injury and other safety accidents;
2. The lifting screw should be regularly maintained and greased with oil to extend the service life;
3. The power should be sufficient. It is forbidden to start the machine at low voltage, otherwise it is easy to burn the motor and other accessories on the unit;
4. If the temperature is below 0 degrees and the unit is not in use, the water in the condenser, dry evaporator and cooling pipe should be drained, otherwise there is a risk of freezing and cracking, which will damage the unit and make it unusable;
5. The refrigeration oil and filter element should be replaced after every 10,000 working hours of the unit.

The dry filter element and the suction filter element should be replaced in advance after a period of use for a new machine, and then replaced according to the time of 10,000 hours;

6. The personnel who repair and maintain the machine should have professional electrical knowledge and experience in refrigeration equipment maintenance before they can carry out the repair;
7. The water-cooled condenser should be descaled regularly.