TwoThousand TT Series Ice Maker User Manual

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Contents

TT Series Ice Maker

User Manual

Please read this manual before using.

Thanks for choosing products
We mainly produce food processing equipment, baking equipment, professional kitchen equipment, steel kitchen ware, commercial refrigeration equipment and ice cream machine, more than 6 series, 127 kinds of products for you to choose. They are environment-friendly with excellent designs. High technique to save power, complete functions, easy to operate, TT products are more competitive than those of the same line in the international market.

1. Attention

- New user or repairing this product must be performed by the experts or qualified person or those who have gotten the license of installation, or those who are authorized by the manufacturer.
- When installation or maintenance, please obey the following instructions carefully to ensure the safety use of this appliance.
- Please keep this instruction Manual for future reference, or hand it to next user.
- Put off the package to make sure none of the parts is missing or damaged. If there is any doubt about the

product, please do not use it, and consult it to the experts.

- Keep the packing material out of reach of the children to avoid accident(Especially the plastic bag, screw etc)
- This appliance could be only operated by the person who is familiar with the unit.
- When not using the appliance or the operator is absent, please turn off the unit to avoid any accidental injury or damage.
- When it needs to be repaired, please ask for expert, and use the original fitted spare part. It will be dangerous if not following the above requirements.
- This appliance is just for commercial using, not for any other use, otherwise, it may be dangerous.
- Do not rinse the equipment with water directly.
- Clean the surface of stainless steel periodically with appropriate method to prevent any damage brought by oxidization or any other chemical interference.

2. Specifications

Model input	voltage	power	frequency	Daily Production	ice storage	refrigerant
TT-I75A 300g	220V-240V	290W	50Hz-60Hz	20Kg/24h	8Kg	R134
TT-I74A 300g	220V-240V	290W	50Hz-60Hz	25Kg/24h	10Kg	R134
TT-I74B 350g	220V-240V	380W	50Hz-60Hz	45Kg/24h	20Kg	R134
TT-I74C 420g	220V-240V	480W	50Hz-60Hz	60Kg/24h	35Kg	R134
TT-I74D 800g	220V-240V	650W	50Hz-60Hz	90Kg/24h	45Kg	R134
TT-I74E 800g	220V-240V	700W	50Hz-60Hz	120Kg/24h	45Kg	R134
TT-I74F 1000g	220V-240V	760W	50Hz-60Hz	150Kg/24h	150Kg	R134/404a
TT-I74G 1200g	220V-240V	1080W	50Hz-60Hz	250Kg/24h	150Kg	R134/404a
TT-I74H 1500g	220V-240V	1285W	50Hz-60Hz	350Kg/24h	250Kg	R134/404a
TT-I74I 1600g	220V-240V	1500W	50Hz-60Hz	400Kg/24h	250Kg	R134/404a
TT-I74J 1600g	220V-240V	1500W	50Hz-60Hz	500Kg/24h	250Kg	R134/404a
TT-I74K 1800g	220V-240V	1500W	50Hz-60Hz	700Kg/24h	350Kg	R134/404a

3. Working conditions

	Minimum	Maximum
Environmental temperature	10℃	40℃
Water temperature	5℃	40℃
Water pressure	1 bar (0.1 MPa)	5bar (0.5MPa)
Rated voltage difference	220V+ 10%	

4. Installation

(1) The location for the machine should be equipped with the following devices:

a. power of 220V/50Hz-60Hz
b. water resource and switch
c. pipeline for water drainage
(2) The machine should be put in level to keep the ice producing effort and prevent from the vibration.
(3) The machine has to be put in the good ventilation location; it should keep away 150mm from the other objects for the air exchange. The machine should be kept away from other heating resources, such as heaters and ovens etc. The machine should be equipped with suitable power switch, fuse and breaker (model: DZ12L-60G/1N, the rated breaking current is 15mA, the non- breaking current is 7.5mA). The current volume for the socket and cable is not less than 10A. The socket must have qualified earthling wire.
(4) If the water quality is not so good, you should connect a filter to the tap. The water quality for the ice producing should meet the drinking standards.

5. Transportation and storage

In transportation, it should be very careful, prevention from heavy vibration. The machine in package cannot be put in open-air for long time. It should be put in the good facility of air and non-corrosive air storage. It cannot be put upside-down. If it is necessary to put it in open-air, it should have waterproof facilities.

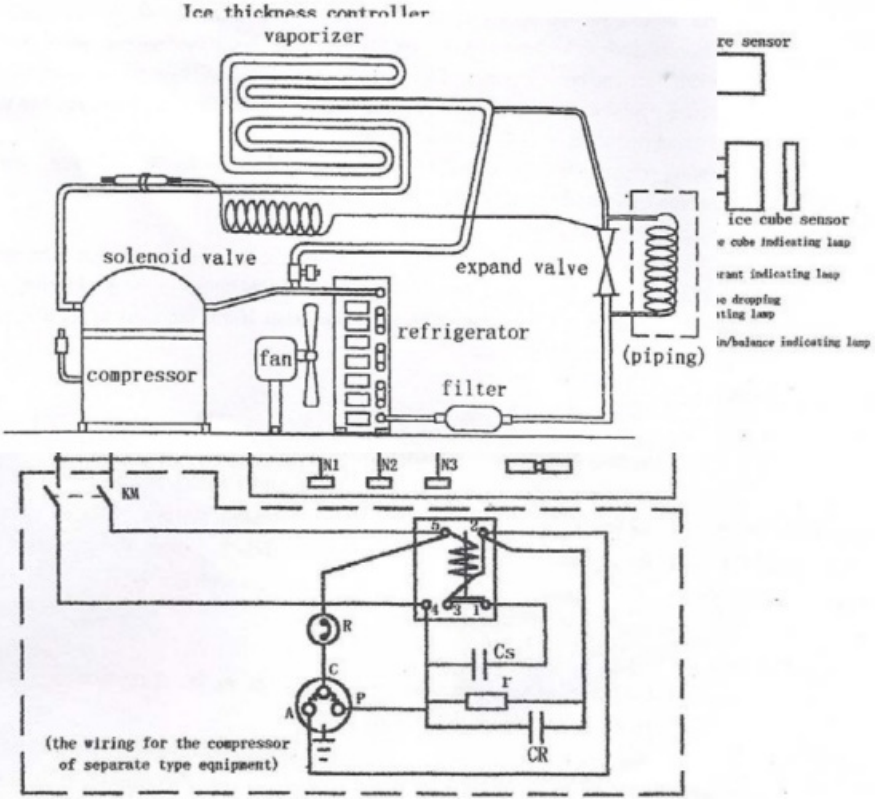
6. Operation

(1) The appliance is equipped with temperature and time control system. The process is completed automatically from water in to ice out. It is no needing man power, so it is simple and convenient in operation. What you have to do is only turning on the power and water.
(2) During the operation, when the cabinet is full of ice cubes, the machine will stop automatically. You should take out some of ice cubes and the machine will start again.
(3) You should connect water pipe for the machine. The water pressure should be between 0.1-0.5MPa. The flow can be adjusted by the tap and it depends on the drainage volume of frost-melting. If the drainage is big, turn up the tap, if the drainage is small, turn down the tap.
(4) The silicon balls inside the machine are for prevention of the internal bottom from striking of the ice falling down. So, the silicon balls have to be put in the operation and taken out for cleaning regularly.

7. Maintenance and cleaning

(5) Before maintenance or cleaning, you must turn off the power and water.
(6) Keep clean for the machine and clean it regularly. You can clean it with non corrosive detergent first and dry it with cleaner. It is forbidden to water it directly or cleaning it with acid, alkali, alcohol, or gasoline.
(7) Taking off the curtain first and clean the refrigerator with duster, brush and metal brush. But be careful for the radiators.
(8) You should make cleaning after operation. If the machine will not be used for a long time, you should clean the machine and dry it and keep it well.
(9) The machine will be in good operation life if you make good maintenance and daily cleaning.

8. Refrigerating system diagram



K-power switch
KM-AC contactor
CR- operating capacitor
Cs-start capacitor
YK-pressure controller
M2- condensate fan
M1-compressor
R-heat protector

9. Electricity diagram

1. Ice producing (temperature) controller————
2. Frost melting (temperature) controller————-
3. Frost melting time controller————————
4. Power————————————————
5. Earthling————————————————
6. Compressor————————————————
7. Fan————————————————
8. Pump————————————————-
9. Solenoid valve————————————————
10. water valve————————————————

10. Troubles and treatments

Troubles	Causes	Treatments
No running	1. no power or power wire not fixed 2. ice producing thermostatic burnt out	1. check the power and power wire 2. replace the thermostatic
Compressor doesn't work	1. voltage is low or heat protector burnt out 2. the wire of compressor starter loose 3. compressor breaks down 4. capacitor of compressor burnt out 5. refrigerating thermostatic is in connection error.	1. check the power voltage and heat protector 2. check and fix the wire 3. replace compressor 4. replace the capacitor 5.replace the thermostatic
No water in trough	1. the tap is turned off 2. the water tank leaks 3. the inlet solenoid is blocked or broken down	turn on the tap sealing the leakage replace the solenoid or clean the pip eling
The trough flows over	water pressure is over the over flow pipe is blocked the inlet solenoid breaks dow n	turn down the tap check and repair the pipe replace the solenoid
The refrigerator is over heat a nd the refrigerating is not goo d	the fan breaks down the piping is blocked	replace the fan check the piping and vacuate it and fi ll with Freon
Water pump doesn't run	1.the blades of fan is blocked or moter b reaks down 2.the pipeline contains air 3. no power to water pump	1.check the fan or replace the pump 2.let water enter into the trough and r estart the machine to put out of the a ir 3. check the wire to see if the time fo r frost melting is too long
The ice is too ting	1. the refrigerating controller is not set w ell 2. the refrigerant leaks 3. the refrigerator fan doesn't run 4. the piping is blocked 5. lack of water 6.the refrigerator is dirty	1. set the controller counter clock-wis e 2. check the leakage and refill Freon 3. check the fan 4. check out the blockage and re-vac uate it and fill with Freon 5. refer to the solutions of lack of wat er 6. clean the radiators of refrigerator
Ice is unclear	1. the water is not clean 2. impurity accumulates	1. connect water filter 2. drain the water with impurity
Big noise	1. the machine is put unstable 2. the fixing bolts are loose	1. put it stably check the bolts and fasten again
The ice not fall down	1. the ice doesn't form cube 2. the machine is not put horizontally 3. the time relay is not adjusted right	1. check the refrigerator 2. adjust the machine 3. adjust the time relay to 1-2min

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Documents / Resources

	[TwoThousand TT Series Ice Maker] [pdf] User Manual TT-I75A, TT-I74A, TT-I74B, TT-I74C, TT-I74D, TT Series Ice Maker, TT Series, Ice Maker, Maker

References

- User Manual