TRUFROST IF-20 Series Flake Ice Maker User Manual

Contents

TRUFROST & BUTLER

TRUFROST IF-20 Series Flake Ice Maker

Specifications

- **Models:** IF-20, IF-50, IF-70, IF-120, IF-200
- **Ice Making Capacity (Kg/24h):** 20, 50, 70, 120, 200
- **Power Input:** 280W, 380W, 420W, 550W, 1040W
- **Refrigerant:** R134a (g) – 75, 115, 125, 155, 280
- **Voltage Range:** 187-242V (220V)
- **Rated Wire Capacity:** Over 6A

FAQs

- **Q: How do I ensure proper ventilation for the ice maker?**
  - **A:** Place the ice maker on a flat and ventilated surface with at least 150mm of clearance from surrounding walls or obstructions.
- **Q: What should I do if the compressor stops?**
  - **A:** If the compressor stops for any reason, wait for about 5 minutes before attempting to restart it.

Thank you for selecting our IMS Series Automatic Flake Ice-Maker! To ensure the proper operation of this ice maker, please read the instructions carefully before use and please keep it for inspection in case troubles occur.

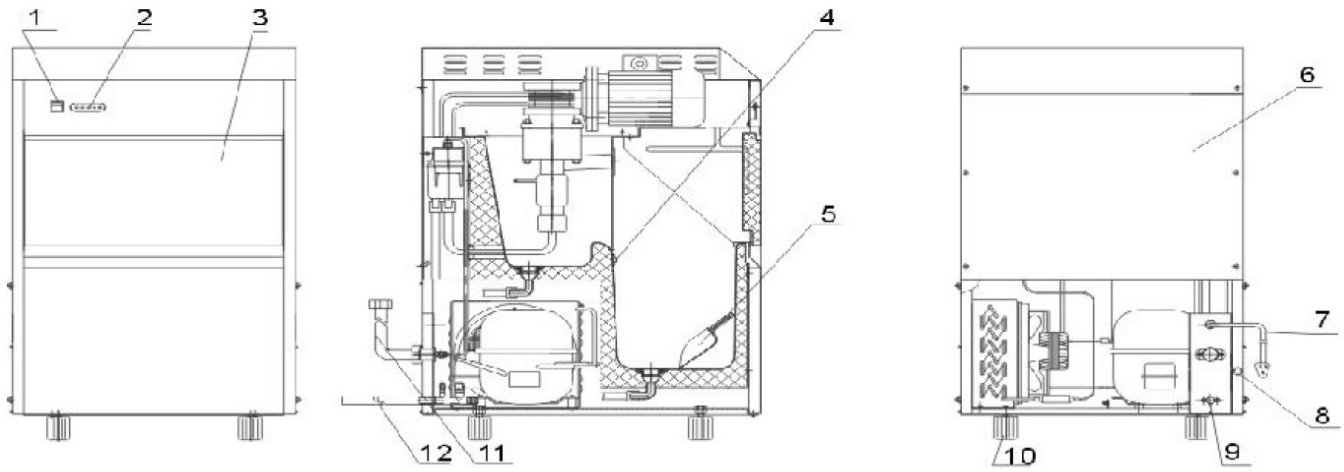
FEATURES

Our XB-series automatic flake ice makers are designed in cubic shape with a curved front panel and curved door (or stainless steel flat front panel and flat door) for a nice appearance. Many advantages of the ice maker are available, such as ice making quickly, great ice making capacity, nice ice shape, and ice dropping quickly. Tap water inlet→water incoming→ ice making→ crush ice → ice dropping→ ice storing, all these processes are automatically controlled for ice making continuously. In case of water shortage or ice in the cabinet, the indicator on the operation board will light on accordingly and the ice maker will stop operation automatically. The ice storage cabinet is PU-foamed, so it is insulated well and it could prevent the ice from melting. Also, the remaining water after ice is made each time is used in recycling. So not only the water is saved, but also the ice-making efficiency is enhanced the energy consumption is reduced, and the customer's ice-making cost is also reduced. Either purified water or tap water could be used for ice making.

NOTES BEFORE OPERATION

1. The incline angle of the cabinet could not be over 45° during transportation. Don't make the ice maker upside-down in case the compressor or refrigerating system troubles occur.
2. The flake ice maker should be placed on the horizontal and structurally sound ground and away from the heat sources and corrosive gas. At least about 150mm of room should be left around the ice maker to ensure fine ventilation.
3. Before using the flake ice maker for the first time, you should wait 12 hours after positioning it in a proper place.
4. Voltage range:187 242V(220V)
5. The rated capacity of the wire should be over 6A, and the section area of the wire is 0.75mm. The wire could consist of single-ply or multiplies. The rated current of the fuse is 5A.
6. The separate three-pole outlet should be used and the grounding must be good.
7. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
8. This appliance is not intended for use by children or other persons without assistance or supervision if their physical, sensory, or mental capabilities prevent them from using it safely. Children should be supervised to ensure that they do not play with the appliance.

STRUCTURE



1. Switch	4. Temperature Sensor	7. Power Cable	10. Foot Screw
2. Operation Board	5. Ice Shovel	8. Screw For Drainage	11. Water Inlet Tube
3. Door	6. Back Panel	9. Water Outlet Tube	12. Drainage Tube

MAINTENANCE

1. If the compressor stops for any reasons like water shortage, too much ice, power off, etc., don't restart it right away. You can restart it about 5 minutes later.
2. Check regularly the connectors of the water inlet and outlet tubes and drain the little surplus water that may leak.
3. If the ice maker will be unused for a long period, please screw off the plastic drainage connector screw on the back of the ice maker to drain the surplus water in the water groove. Then screw it on. Wipe the inner liner of the ice storage container with a clean rag.
4. When plugging or unplugging, the plug should be held by hand and the wires should not be dragged heavily.

OPERATION PROCEDURES

1. Unpack the package and take out the attached documents and spare parts such as the water inlet and outlet tubes, ice shovels and gaskets, etc.
2. Position the ice maker in a well-ventilated place and leave at least 150mm of room between the ice maker and the wall. Be sure the ice maker is positioned levelly and away from the heat source.
3. Make one end of the φ12 flexible plastic corrugated pipe (supplied with the maker) connected with the water outlet tube on the back of the maker, another pipe end should be placed in a container for surplus water (prepared by the user himself) or in the sewer.
4. Make one end of the water inlet tube (supplied by the maker) connected with the 3/4″ screw-type connector of the water tap to get the drinkable tap water. The water pressure of the water supply pipe is 1.5 3 bar. The other end of the water inlet tube should be connected with the screw-type connector of the water valve on the back of the ice maker. Be sure to put gaskets (supplied by the maker) in both ends of the water inlet tube before connecting. If it is an ice maker for purified water, a φ 12 corrugated pipe (supplied with the maker) should be used. Connect one end of the pipe with the purified water supplier (desk-top water dispenser) and another end with the water valve connector on the back of the ice maker. The desk-top water dispenser should be placed on the ice maker at the back position.
5. Make a poser connection and press the start button on the operation board for about 4 seconds till the run indicator and the big ice indicator (or small ice indicator) light on. Then the maker begins to work. All the procedures, water inlet→ice making→crush ice→ice dropping→ice storing, are controlled automatically for ice making continuously. If ice is full in the ice storage container, the ice full indicator on the operation board will light on and the ice maker will stop automatically. If there is a water shortage or something wrong with the water supply system, the Water shortage indicator will light on and the ice maker will stop operation automatically.

TECHNICAL PARAMETERS

(tested under the conditions of ambient temperature of 15℃ and water temperature of 10

Model	Ice making capacity (Kg/24h)	Power input(W)	Refrigerant R134a (g)	Dimensions(mm)
IF-20	≤20	280	75	330X470X605
IF-50	≤50	380	115	400X543X700
IF-70	≤70	420	125	400X510X845
IF-120	≤120	550	155	500X610X950
IF-200	≤200	1040	280	680X740X1100

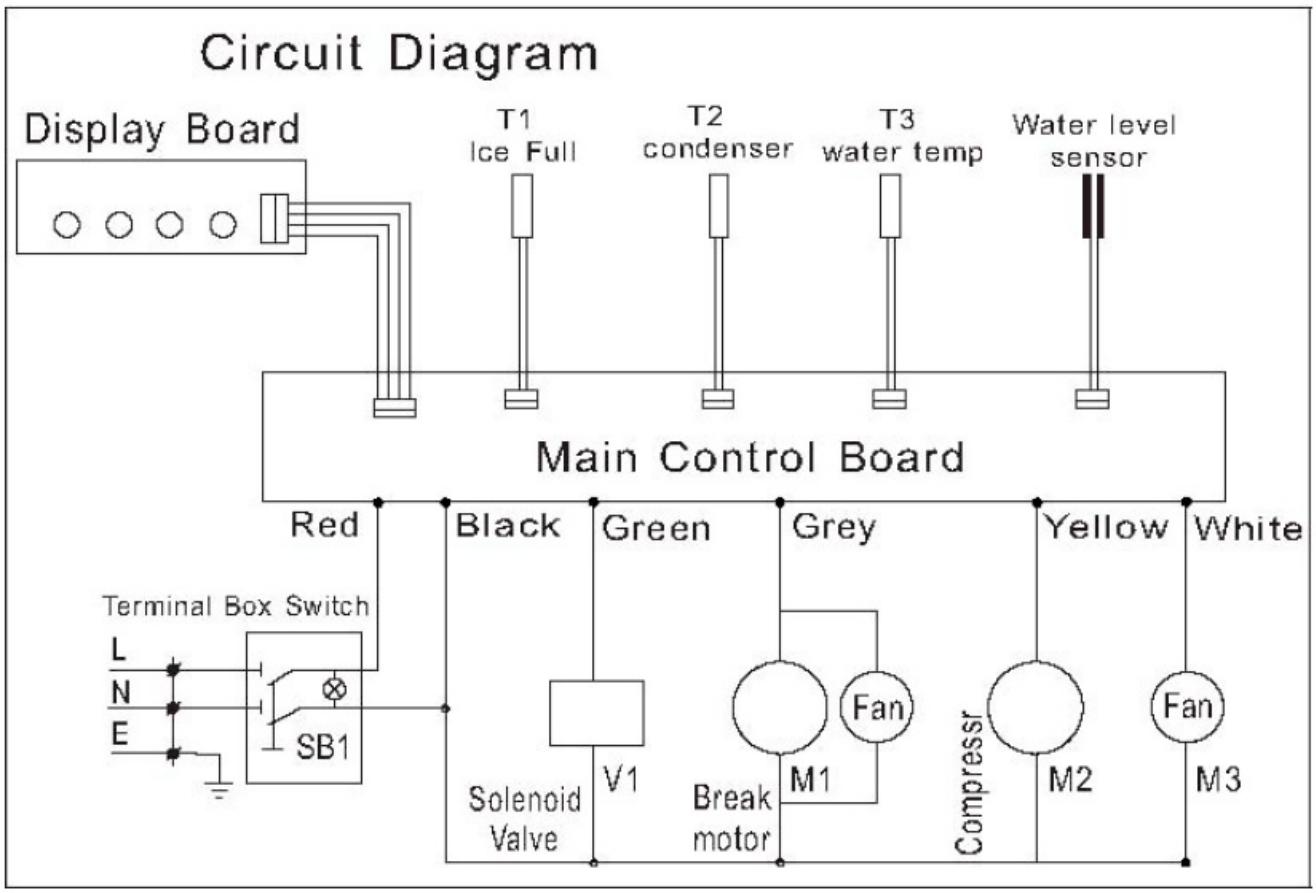
The specifications are subject to change without notice. Please check the nameplate for sure.

TROUBLE AND SHOOTING

(FOR REFERENCE OF USERS AND TECHNICIANS)

TROUBLE	CAUSE	REMEDY
The flake ice maker does not work.	1. The voltage is lower than the lo wer limitation 2. The ambient temperature is too l ow (Lower than 10℃)	1. Stop the ice maker and restart it until the voltage is normal. 2. Try again when the ambient tem perature is higher than 10℃.
Water shortage indicator light on.	1. Water shortage from the water s upply system. 2. Water valve damage. 3. Tap water pressure too low.	1. Check the water supply. If it is O K, restart the maker. 2. Check the water valve. 3. Be sure the tap water press- ure is higher than 1.5 bar.
The compressor does not work.	1. Water shortage. 2. Ice full.	1. Check the water supply system (water valve and water supply tube). 2. Take off some ice.
The compressor works, but no ice i s made.	1. Refrigerant leakage. 2. The refrigerating system is block ed.	1. Recharge the refrigerant and ch eck the leakage again. 2. Charging N2 to check whether t he system is blocked and replace t he filter. 3. Check whether the fan is runnin g.
The water shortage indicator and ic e full indicator are glittering at the s ame time.	If the water inlet jams or running fail s because of low environmental te mperature.	Stop the machine until the temperat ure reaches 10℃ or repair it by aut horized service people.

CIRCUIT DIAGRAM



The symbol on the product or its packaging indicates that this product may not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling this product

CONTACT INFORMATION

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Documents / Resources

	**TRUFROST IF-20 Series Flake Ice Maker** [pdf] User Manual IF-20, IF-50, IF-70, IF-120, IF-200, IF-20 Series Flake Ice Maker, IF-20 Series, Flake Ice Maker, Ice Maker, Maker

References

- **Trufrost – The new vocabulary of cooling & foodservice**
- **User Manual**

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