

YITAHOME Commercial Ice Machine SC

YITAHOME 22" Commercial Ice Maker Machine 600 LBS - Instruction Manual

Model: Commercial Ice Machine SC

1. INTRODUCTION

This manual provides comprehensive instructions for the safe installation, operation, and maintenance of your YITAHOME 22" Commercial Ice Maker Machine. Please read this manual thoroughly before operating the appliance and retain it for future reference. Proper use and care will ensure optimal performance and longevity of your ice machine.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in fire, electric shock, serious injury, or death.

- Ensure the ice maker is connected to a properly grounded electrical outlet with the correct voltage as specified on the rating label.
- Do not operate the appliance with a damaged power cord or plug. If damaged, contact qualified service personnel for replacement.
- Keep ventilation openings in the appliance enclosure or in the built-in structure clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

- Disconnect the power supply before performing any cleaning or maintenance.
- Only use potable water for ice production.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking. If any items are missing or damaged, contact customer support immediately.

- Commercial Ice Maker Unit
- Ice Storage Bin
- Ice Scoop
- Ice Bucket
- Water Inlet Pipe (x2)
- Water Outlet Pipe (x2)
- Drain Hose (x1)
- Water Filter (x1)
- Installation Tools



Figure 3.1: Included Accessories. This image displays the various components and tools provided with the YITAHOME Commercial Ice Maker Machine, including pipes, hoses, a water filter, an ice scoop, and an ice bucket.

4. INSTALLATION AND SETUP

4.1 Placement

- Place the ice maker on a flat, stable surface capable of supporting its weight when full of ice and water.
- Ensure adequate ventilation around the unit. Maintain at least 6 inches (15 cm) of clearance from walls and other objects.
- Avoid direct sunlight or heat sources.

- The ambient temperature should be between 50°F (10°C) and 90°F (32°C).

4.2 Water Connection

The ice maker requires a continuous supply of potable water and a drain connection.

1. Connect the water inlet pipe to a cold water supply line with a shut-off valve.
2. Install the provided water filter in the water inlet line to ensure clean water for ice production.
3. Connect the other end of the water inlet pipe to the designated inlet on the ice maker.
4. Connect the drain hose to the ice maker's drain outlet and route it to a floor drain or suitable wastewater receptacle. Ensure the drain hose has a continuous downward slope to prevent water accumulation.
5. For water-cooled models, connect the condensation inlet and outlet pipes as per the diagram to a separate water supply and drain, if applicable.

4.3 Electrical Connection

- Plug the ice maker into a dedicated, grounded electrical outlet. Refer to the product specifications for voltage and amperage requirements.
- Do not use extension cords or adapter plugs.

4.4 Initial Cleaning

Before first use, it is recommended to perform an initial cleaning cycle. Refer to the 'Automatic Cleaning' section for instructions.



Figure 4.1: Easy Installation Diagram. This diagram visually guides the user through connecting the water supply, drainage, and filter for the ice maker.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

The ice maker features an advanced control panel for easy operation. Familiarize yourself with the buttons and indicators:

- **On/Off Button:** Powers the unit on or off.
- **Clean/De-icing Button:** Initiates the automatic cleaning or de-icing cycle.
- **Timer Button:** Sets or cancels the scheduled boot timer.
- **Timer +/- Buttons:** Adjusts timer settings or ice thickness.
- **Temperature Display:** Shows current temperature or error codes.
- **Indicators:** Light, Compressor, De-icing, Water Shortage, Fault.

EASY TO INSTALL



Figure 5.1: Advanced Control Panel. This image highlights the various functions and indicators on the ice maker's digital control panel.

5.2 Power On/Off

Press the **On/Off** button to start or stop the ice maker. The unit will begin the ice-making process automatically once powered on and connected to water.

5.3 Ice Production

The YITAHOME ice maker is designed for efficient ice production, capable of producing up to 600 LBS of ice per 24 hours. Each ice-making cycle typically takes 8-15 minutes, yielding approximately 238 pieces of ice.

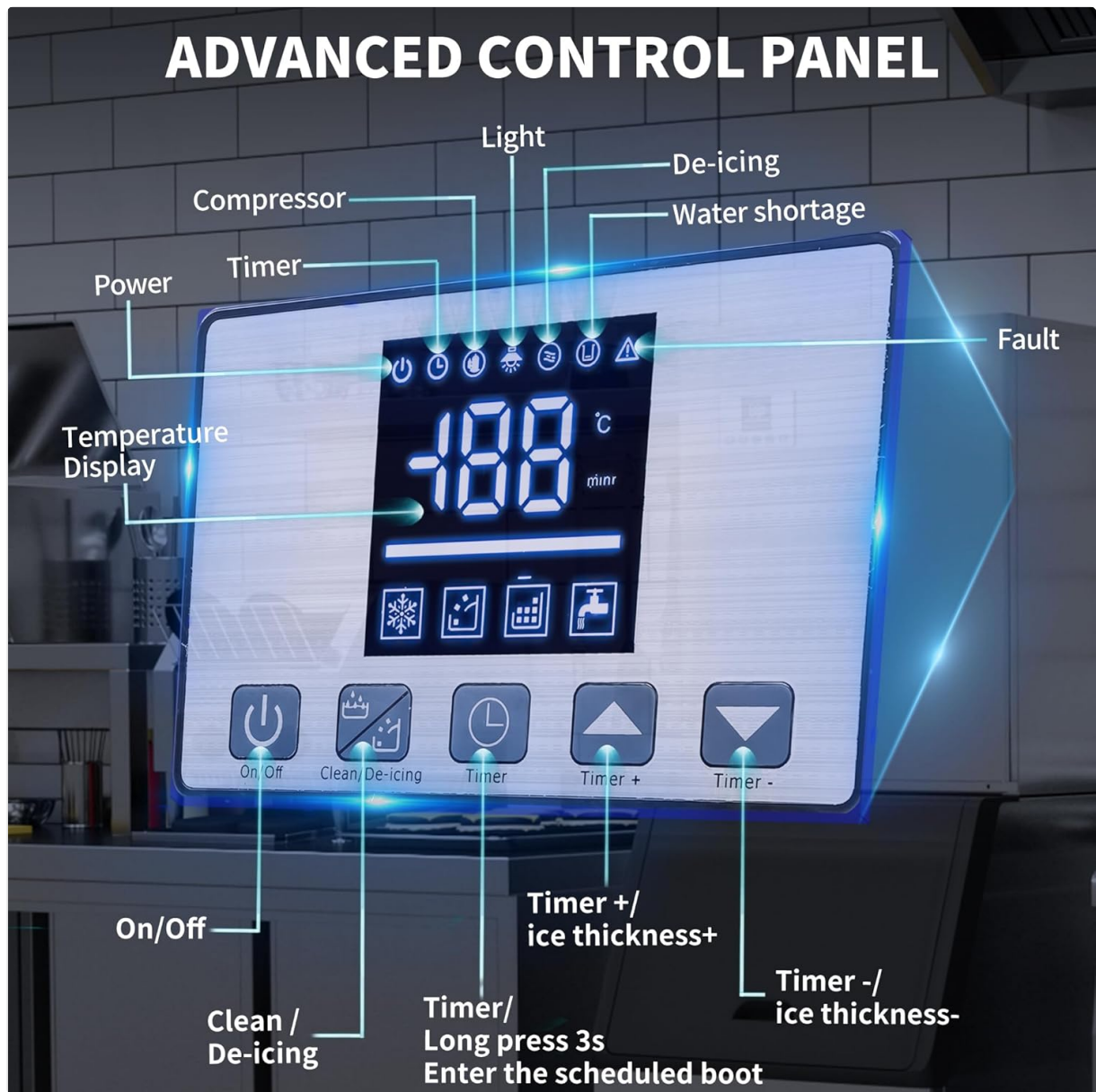


Figure 5.2: Efficient Ice Making. This diagram details the ice production capabilities and key features like the upgraded compressor and storage capacity.

5.4 Adjusting Ice Thickness

You can adjust the thickness of the ice cubes to suit your preference:

- Use the **Timer +** button to increase ice thickness (longer freezing time).
- Use the **Timer -** button to decrease ice thickness (shorter freezing time).
- Thin ice: 5-10 minutes
- Medium ice: 10-15 minutes
- Thick ice: 15-20 minutes



Figure 5.3: Adjustable Ice Cube Size. This image demonstrates the different ice cube thicknesses that can be produced by the machine.

5.5 Automatic Cleaning Function

The ice maker features an automatic cleaning function to simplify maintenance:

1. Ensure the ice maker is connected to a water supply and drain.
2. Press the **Clean/De-icing** button on the control panel.
3. The unit will initiate a 20-minute automatic cleaning cycle.
4. After the cycle, the unit will return to standby or resume ice production.



Figure 5.4: Automatic Cleaning. This image illustrates the process of activating and performing the automatic cleaning cycle.

6. ICE STORAGE AND INSULATION

The integrated ice storage bin has a capacity of 360 LBS. The bin features a thickened foam layer and food-grade PP injection liner, designed to prevent ice melting for up to 8 hours, ensuring ice remains frozen for extended periods.



⚠️ Your order ships in 2 parts. Each package may arrive on different days. Check all received

Figure 6.1: Ultimate Protection for Ice Storage. This image highlights the insulation features of the ice bin, designed to maintain ice integrity.

7. MAINTENANCE AND CLEANING

Regular maintenance is crucial for the efficient and hygienic operation of your ice maker.

7.1 Regular Cleaning

- **Exterior:** Wipe the stainless steel exterior with a soft cloth and mild detergent. Avoid abrasive cleaners.
- **Ice Bin:** Periodically empty the ice bin and clean its interior with a solution of mild soap and water. Rinse thoroughly and sanitize if necessary.
- **Water Lines:** Ensure water lines are free from blockages.

7.2 Descaling

Over time, mineral deposits can accumulate in the water system. Perform descaling as needed, or at least every 3-6 months, using a commercial ice maker descaling solution. Follow the descaling product's instructions carefully.

7.3 Water Filter Replacement

The water filter should be replaced regularly, typically every 3-6 months, depending on water quality and usage, to ensure optimal ice quality and machine performance.

8. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Ice maker not producing ice	No water supply; Water filter clogged; Power issue; Ambient temperature too high; Refrigerant leak.	Check water connection and valve; Replace water filter; Check power cord and outlet; Ensure proper ventilation; Contact service technician.
Ice production is slow	Clogged water filter; High ambient temperature; Poor ventilation; Mineral buildup.	Replace water filter; Improve ventilation; Perform descaling; Ensure proper room temperature.
Ice cubes are too thin or too thick	Ice thickness setting incorrect.	Adjust ice thickness using the Timer +/- buttons on the control panel.
Water leakage	Loose water connections; Clogged drain hose; Damaged water lines.	Tighten all water connections; Clear drain hose; Inspect and replace damaged lines.
Error code displayed	Specific system fault.	Refer to the error code section in the full manual (if available) or contact customer support with the specific code.

9. SPECIFICATIONS

Feature	Specification
Brand	YITAHOME
Model Name	Commercial Ice Machine SC
Product Dimensions	33"D x 22"W x 63.6"H (83.8 cm D x 55.9 cm W x 161.5 cm H)
Ice Production Capacity	600 LBS per 24 hours
Ice Storage Capacity	360 LBS

Feature	Specification
Wattage	1100 watts
Cooling Type	Water Cooled
Material	Stainless Steel
Certifications	ETL & DOE Certificated

10. WARRANTY AND CUSTOMER SUPPORT

For warranty information, technical assistance, or to order replacement parts, please contact YITAHOME customer support. Keep your purchase receipt and product model number readily available when contacting support.

You can typically find support contact details on the manufacturer's website or through your point of purchase.