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GarveeTech Commercial Ice Maker Machine 550LBS/24H

GarveeTech Commercial Ice Maker Machine User Manual

Model: 550LBS/24H

1. Introduction

Thank you for choosing the GarveeTech Commercial Ice Maker Machine. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new ice maker. Please read these instructions thoroughly before installation and use, and retain them for future reference.
This commercial-grade ice maker is designed for high-volume ice production, featuring a robust stainless steel construction and an efficient cooling system to meet the demands of various commercial and home settings.

2. Safety Instructions

To prevent injury to users or damage to the appliance, please observe the following safety precautions:

- **Electrical Safety:** Ensure the power supply matches the voltage specified on the appliance's rating label. Do not use extension cords or adapters. Always plug into a grounded outlet. Disconnect power before cleaning or servicing.
- **Water Connection:** Connect the unit to a potable water supply only. Ensure all water connections are secure to prevent leaks.
- **Placement:** Install the ice maker on a level, stable surface capable of supporting its weight when full of ice and water. Allow adequate ventilation around the unit. Do not block air vents.
- **Handling:** The unit is heavy. Use appropriate lifting techniques or assistance when moving. Keep the unit upright for at least 24 hours after transport before initial operation.
- **Children and Pets:** Keep children and pets away from the appliance during operation and maintenance.
- **Flammable Materials:** Do not store or use flammable materials near the ice maker.
- **Maintenance:** Only qualified personnel should perform repairs. Do not attempt to repair the unit yourself.

3. Product Overview and Components

The GarveeTech Commercial Ice Maker Machine is designed for high-capacity ice production with user-friendly features.



Figure 3.1: Front view of the GarveeTech Commercial Ice Maker Machine, illustrating its large capacity and overall dimensions. The unit is capable of producing 550 LBS of ice per 24 hours and has a 300 LBS ice storage capacity.

3.1 Included Components

Upon unpacking, ensure all the following components are present:



Figure 3.2: Image showing the main ice maker unit along with included accessories: a water purifier, inlet pipes, outlet pipes, and an ice scoop.

- Commercial Ice Maker Unit
- Water Purifier (1 set)
- Inlet Pipes (3 pieces)
- Outlet Pipes (3 pieces)
- Ice Scoop (1 piece)
- User Manual (this document)

3.2 Construction Features

The ice maker features a durable construction for longevity and efficiency.



Figure 3.3: Cutaway view highlighting the internal construction: a food-grade PE liner, an upgraded foam layer for insulation, and an outer stainless steel casing.

- **Stainless Steel Exterior:** Provides durability, hygiene, and a professional appearance.
- **Upgraded Foam Layer:** Enhances insulation to keep ice frozen for longer, reducing energy consumption.
- **Food Grade PE Liner:** Ensures ice is produced and stored in a safe, hygienic environment.

4. Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your ice maker.

4.1 Unpacking

- Carefully remove the ice maker from its packaging.
- Inspect the unit for any shipping damage. Contact your supplier immediately if damage is found.
- Remove all packing materials, tapes, and protective films.
- Keep the unit upright for at least 24 hours before connecting to power or water. This allows the refrigerant to

settle.

4.2 Placement

- Place the ice maker on a firm, level surface in a well-ventilated area.
- Ensure there is sufficient space around the unit for air circulation (at least 6 inches from walls).
- Avoid direct sunlight or heat sources.
- The unit should be placed near a suitable water supply and drain.

4.3 Water Connection

Connect the ice maker to a potable water supply and ensure proper drainage.



Figure 4.1: Detail of the rear panel showing the water inlet and outlet hose connections, indicating ease of setup.

1. Install the provided water purifier in line with the incoming water supply.
2. Connect one end of an inlet pipe to the water supply valve and the other end to the "Water Inlet" port on the back of the ice maker. Tighten securely.

3. Connect one end of an outlet pipe to the "Drain Outlet" port on the back of the ice maker and the other end to a suitable drain. Ensure the drain hose has a continuous downward slope to prevent water backup.
4. Open the water supply valve and check for leaks.

4.4 Electrical Connection

- Ensure the power outlet is a grounded 110V AC outlet.
- Plug the ice maker's power cord into the dedicated grounded outlet. Do not share the outlet with other high-power appliances.

4.5 Initial Cleaning

Before first use, it is recommended to clean the ice maker to ensure optimal performance and hygiene.

1. Perform an initial manual cleaning of the ice storage bin and interior surfaces with a mild detergent and warm water. Rinse thoroughly.
2. Initiate the automatic cleaning cycle (refer to Section 6.1).

5. Operating Instructions

This section details how to operate your GarveeTech Commercial Ice Maker Machine.

5.1 Control Panel Overview

The ice maker features an intuitive control panel with an LCD display and control buttons.

- **LCD Indicators:** Display water and ice production status, error codes, and current settings.
- **(+) and (-) Buttons:** Used to adjust ice production time and ice thickness.
- **"One Key Ice Making" Button:** Initiates or stops the ice making cycle.
- **"Self-Cleaning" Button:** Activates the automatic cleaning function.

5.2 Ice Production

1. Ensure the unit is properly connected to power and water, and the water supply valve is open.
2. Press the "One Key Ice Making" button to start the ice production cycle. The LCD will display the current status.
3. The machine will automatically fill with water, freeze, and harvest ice.
4. Ice will drop into the storage bin. The machine will continue to produce ice until the bin is full or the cycle is manually stopped.

5.3 Adjusting Ice Thickness

The ice maker allows you to adjust the thickness of the ice cubes to suit various beverage and cooling needs.



Figure 5.1: Illustration of the control panel and the three ice thickness settings: Thin (5-8 minutes), Medium (8-11 minutes), and Thick (11-15 minutes), suitable for various applications like smoothies, drinks, and whiskey.

- During the ice making cycle, use the **(+)** and **(-)** buttons on the control panel to increase or decrease the ice production time.
- **Thin Ice (approx. 5-8 minutes):** Ideal for smoothies and seafood displays.
- **Medium Ice (approx. 8-11 minutes):** Suitable for general drinks and cocktails.
- **Thick Ice (approx. 11-15 minutes):** Best for beer barrels and whiskey, offering slower melt rates.
- The adjusted setting will be saved for subsequent cycles until changed again.

6. Maintenance

Regular maintenance ensures the longevity and hygienic operation of your ice maker.

6.1 Automatic Self-Cleaning

The ice maker is equipped with an automatic self-cleaning function for convenience.

1. Ensure the ice maker is connected to water and power.
2. Remove all ice from the storage bin.
3. Press the "Self-Cleaning" button on the control panel. The machine will initiate a cleaning cycle, flushing the water system.
4. Allow the cycle to complete. The LCD will indicate when cleaning is finished.
5. It is recommended to run the self-cleaning cycle regularly, especially if the machine is used frequently or after extended periods of inactivity.

6.2 Manual Cleaning

- **Exterior:** Wipe the stainless steel exterior with a soft cloth and mild detergent. Do not use abrasive cleaners or pads.
- **Ice Storage Bin:** Periodically clean the ice storage bin with a solution of warm water and mild, food-safe detergent. Rinse thoroughly with clean water and dry before resuming operation.
- **Water Filter:** The included water purifier should be checked and replaced periodically based on water quality and usage. Refer to the purifier's instructions for specific replacement intervals.

Note: Always disconnect the power supply before performing any manual cleaning or maintenance.

7. Troubleshooting

Before contacting customer service, please refer to the following troubleshooting guide for common issues.

Problem	Possible Cause	Solution
No ice production	• No power • Water supply off or low pressure • Water inlet blocked • Ambient temperature too high	• Check power connection and circuit breaker. • Ensure water supply valve is open and water pressure is adequate. • Check water inlet hose and filter for blockages. • Move unit to a cooler, well-ventilated area.
Ice cubes are too thin or soft	• Ice making time too short • Water temperature too high • Ambient temperature too high	• Adjust ice thickness setting to a longer cycle (e.g., Medium or Thick). • Ensure water supply is cold. • Improve ventilation around the unit.
Water leakage	• Loose water connections • Blocked drain hose	• Check and tighten all water inlet and outlet connections. • Ensure drain hose is not kinked or blocked and has a proper downward slope.
Unusual noise	• Unit not level • Loose components	• Adjust leveling feet to ensure the unit is stable. • If noise persists, contact customer support.

8. Specifications

Key technical specifications for the GarveeTech Commercial Ice Maker Machine.

Specification	Detail
Brand	GarveeTech
Model Name	Commercial Ice Maker Machine
Product Dimensions (D x W x H)	30.71" x 23.62" x 23.62"
Ice Making Capacity	550 LBS / 24 Hours
Ice Storage Capacity	300 LBS
Wattage	550 watts
Voltage	110V
Refrigerant	R410a
Material	Stainless Steel
Item Weight	262 pounds

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact GarveeTech customer service directly.

- **Warranty:** Specific warranty terms and conditions may vary. Please consult your purchase receipt or the official GarveeTech website for details.
- **Customer Support:** If you encounter issues not covered in the troubleshooting section or require further assistance, please contact GarveeTech customer support. Have your model number and purchase date ready.

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