Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Garvee GVM-15601

GARVEE Commercial Water-Cooled Ice Maker Machine User Manual

Model: GVM-15601

1. Introduction

Thank you for choosing the GARVEE Commercial Water-Cooled Ice Maker Machine, Model GVM-15601. This manual provides essential information for the safe and efficient operation, installation, maintenance, and troubleshooting of your new ice maker. Please read this manual thoroughly before installation and use, and retain it for future reference. Proper installation and maintenance are crucial for optimal performance and longevity of the unit.

2. Safety Instructions

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, or injury. This appliance is intended for commercial use only.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 115V/60Hz electrical outlet. Do not use extension cords. Disconnect power before any service or cleaning.
- **Water Connections:** All water connections must comply with local plumbing codes. Use potable water only. Ensure all connections are secure to prevent leaks.
- **Ventilation:** Maintain adequate clearance around the unit for proper airflow. Do not block ventilation openings.
- **Placement:** Install the unit on a level, stable surface capable of supporting its weight when full of ice and water.
- **Refrigerant:** This unit contains R410a refrigerant. Servicing should only be performed by qualified personnel.
- **Children:** Keep children away from the appliance.
- **Cleaning:** Use only recommended cleaning agents and follow cleaning procedures carefully.

3. Product Overview

The GARVEE Commercial Water-Cooled Ice Maker Machine is designed for high-volume ice production in demanding commercial environments. It features a robust stainless steel exterior and a user-friendly digital control panel.



Figure 3.1: Production and Storage Capacity. This image illustrates the impressive capabilities of the GARVEE ice maker, highlighting its maximum daily ice production of 550 pounds and a substantial 400-pound ice storage bin. The unit is designed to meet the high demands of commercial establishments.



Figure 3.2: Foam Insulation Layer. The diagram shows a cross-section of the ice maker's storage bin, revealing a thick foam insulation layer. This insulation is critical for maintaining ice quality and preventing melting, keeping ice frozen for 6-8 hours even when the machine is not actively producing.



Figure 3.3: Digital Controller and Display. The top section of the ice maker features an intuitive digital controller and display. This interface allows users to monitor the ice-making process, adjust settings, and receive alerts, ensuring precise control over ice production.

Key features include:

- **High Production Capacity:** Up to 550 lbs of ice per 24 hours.
- **Large Storage Bin:** Integrated 400 lbs storage bin.
- **Angled Door:** Convenient slide-up angled door for easy access to ice.
- **Removable Storage Bin:** Facilitates easier access to refrigeration components for maintenance.
- **Durable Construction:** Stainless steel exterior for longevity and hygiene.
- **Water-Cooled System:** Efficient cooling for consistent performance.

4. Specifications



Figure 4.1: Product Dimensions and Key Specifications. This image provides a visual representation of the ice maker's dimensions (width, depth, height) and lists critical operational specifications such as voltage, power, daily production, bin capacity, and condenser type.

Feature	Specification
Brand	Garvee
Model Number	GVM-15601
Daily Ice Production	Up to 550 LBS / 24 Hours
Ice Storage Capacity	400 LBS
Dimensions (W x D x H)	785mm x 830mm x 1790mm (30.9" x 32.7" x 70.5")
Item Weight	127 Pounds

Feature	Specification
Voltage / Frequency	115V / 60Hz
Power	1000W
Refrigerant	R410a
Condenser Type	Water-Cooled
Material	Stainless Steel
Ideal Ambient Temperature	40-110 °F (4-43 °C)
Ideal Incoming Water Temperature	40-90 °F (4-32 °C)
Ideal Incoming Water Pressure	20-80 PSI

5. Setup & Installation

Proper installation is critical for the performance and safety of your ice maker. It is recommended that installation be performed by a qualified technician.

5.1 Unpacking

- Carefully remove all packaging materials.
- Inspect the unit for any shipping damage. Report any damage immediately to the carrier and supplier.
- Ensure all accessories, such as the ice scoop and water hoses, are present.

5.2 Location Requirements

- Place the ice maker on a firm, level surface that can support its total weight (unit + ice + water).
- Ensure the ambient temperature is within the ideal range of 40-110 °F (4-43 °C).
- Allow at least 6 inches of clearance around the back and sides for proper ventilation and service access.
- Avoid direct sunlight or proximity to heat-generating appliances.

5.3 Water Connection

The unit requires a cold water supply and a drain connection.



Figure 5.1: Water and Electrical Connections. This diagram illustrates the necessary connections for the water-cooled ice maker. It shows the incoming water line, the drain line for wastewater, and the electrical power connection, emphasizing the importance of proper plumbing and electrical setup.

1. Connect the incoming water supply line (typically 3/4" NPT) to the water inlet valve on the back of the unit. Ensure the water pressure is between 20-80 PSI and the water temperature is 40-90 °F (4-32 °C). An external water filter is highly recommended for optimal ice quality and machine longevity.
2. Connect the drain hose to the unit's drain outlet and route it to an open floor drain or standpipe. Ensure the drain line has a continuous downward slope to prevent water backup.
3. Check all connections for leaks after turning on the water supply.

5.4 Electrical Connection

- Plug the power cord into a dedicated, grounded 115V/60Hz electrical outlet.
- Do not use adapter plugs or extension cords.

5.5 Initial Cleaning

- Before first use, clean the ice storage bin and all surfaces that come into contact with ice using a mild detergent and warm water. Rinse thoroughly.
- Sanitize the interior with a food-grade sanitizer solution, following the manufacturer's instructions.

6. Operating Instructions

Once installed and cleaned, your GARVEE ice maker is ready for operation.

6.1 Powering On

- Ensure the unit is properly connected to power and water.
- Press the 'ON/OFF' button on the digital control panel to start the ice production cycle.

6.2 Ice Production Cycle

- The machine will automatically fill with water, freeze it into ice cubes, and then harvest the ice into the storage bin.
- The digital display will show the current status or countdown timer for the next ice harvest.
- Ice production will automatically pause when the storage bin is full and resume when ice levels drop.

6.3 Scooping Ice

- Use the provided ice scoop to retrieve ice from the storage bin.
- Always close the angled door after scooping to maintain ice quality and temperature.

7. Maintenance

Regular maintenance ensures efficient operation, extends the life of your ice maker, and maintains hygiene standards.

7.1 Daily Maintenance

- Wipe down the exterior with a clean, damp cloth.
- Ensure the ice scoop is clean and stored hygienically.

7.2 Weekly Maintenance

- Clean and sanitize the ice storage bin. Remove all ice, clean with a mild detergent, rinse, and sanitize with a food-grade sanitizer.
- Check the water inlet filter for any debris and clean if necessary.

7.3 Monthly Maintenance

- Clean the condenser coils. Dust and debris on the coils can reduce efficiency. Use a brush or vacuum cleaner to remove buildup.
- Inspect all water lines and connections for leaks or wear.

7.4 Quarterly / Bi-Annual Descaling

- Depending on water hardness, the ice maker will require descaling to remove mineral deposits.
- Use a commercial ice maker descaling solution, following the product's instructions.
- Always disconnect power and drain the unit before descaling.
- Thoroughly rinse the system after descaling to remove all chemical residues.

8. Troubleshooting

Before calling for service, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
No ice production	No power; Water supply off; Clogged water filter; High ambient temperature; Compressor issue.	Check power connection/breaker; Ensure water supply is on; Clean/replace water filter; Relocate unit to cooler area; Contact service technician.
Low ice production	Dirty condenser coils; Insufficient water flow; High water temperature; Scale buildup.	Clean condenser coils; Check water pressure/supply; Ensure incoming water is cool; Descale the unit.
Ice is thin or soft	High water temperature; Low refrigerant; Scale buildup.	Ensure incoming water is cool; Contact service technician for refrigerant check; Descale the unit.
Water leaks	Loose water connections; Clogged drain line; Damaged water hose.	Tighten all connections; Clear drain line; Replace damaged hose.
Unusual noise	Loose components; Fan obstruction; Compressor issue.	Inspect for loose parts; Clear any obstructions from fan; Contact service technician.

If the problem persists after attempting these solutions, please contact GARVEE customer support or a qualified service technician.

9. Warranty & Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official GARVEE website. Keep your purchase receipt as proof of purchase for any warranty claims.
When contacting support, please have your model number (GVM-15601) and serial number ready.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0CV51LYCL

More documents and user manuals: **https://manuals.plus/**