

MARVOWARE MW-AF1227-Head

MARVOWARE Commercial Ice Maker Machine MW-AF1227-Head
User Manual

Model: MW-AF1227-Head

1. SAFETY INFORMATION

Read all instructions carefully before operating the ice maker. Failure to follow these instructions may result in property damage, personal injury, or death.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 110V electrical outlet. Do not use extension cords. Disconnect power before any service or cleaning.
- **Water Connection:** Connect the unit to a potable water supply with appropriate pressure. Ensure all water connections are secure to prevent leaks.
- **Ventilation:** Maintain adequate clearance around the unit for proper air circulation. Blocked vents can lead to overheating and reduced efficiency.
- **Placement:** Install the ice maker on a level, stable surface capable of supporting its weight when full of ice and water.
- **Cleaning:** Use only recommended cleaning agents. Avoid abrasive cleaners or sharp objects that could damage surfaces.
- **Children and Pets:** Keep children and pets away from the appliance during operation and maintenance.
- **Refrigerant:** This unit contains R290a refrigerant. Servicing should only be performed by qualified personnel.

2. PRODUCT OVERVIEW

The MARVOWARE MW-AF1227-Head is a commercial ice maker mainframe designed for high-volume ice production, capable of producing up to 400 lbs of ice per 24 hours. It features a SECOP compressor for efficient operation, an intelligent LCD control panel, and an automatic cleaning function. This unit is ETL safety certified and is intended for use in commercial environments such as bars and restaurants. Please note, this product is the mainframe only and does not include a storage bin.



Image: Front view of the MARVOWARE Commercial Ice Maker Machine, showcasing its stainless steel exterior and integrated control panel.

Key Features:

- **High Capacity:** Produces up to 400 lbs of ice per 24 hours.
- **Efficient Cooling:** Equipped with a SECOP compressor and professional air cooling system for low noise, low energy, and low water consumption.
- **Intelligent Control:** Features an LCD panel for touch-sensitive controls, monitoring, and customization.
- **Automatic Cleaning:** Simplifies maintenance with a built-in automatic cleaning function.
- **Safety Certified:** ETL safety certified for reliable commercial use.

3. SETUP

3.1 Unpacking

- Carefully remove the ice maker from its packaging.
- Inspect the unit for any shipping damage. Report any damage to your supplier immediately.
- Remove all packing materials, tapes, and protective films from the unit.

3.2 Placement

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

- **Location:** Choose a location that is indoors, away from direct sunlight, heat sources, and corrosive environments.
- **Ventilation:** Ensure at least 6 inches (15 cm) of clearance on the sides and rear of the unit for proper air circulation. The top should also have adequate space.
- **Level Surface:** Place the unit on a firm, level surface. Use a spirit level to verify. Adjust the leveling feet if necessary.
- **Ambient Temperature:** The ideal ambient temperature for operation is between 50°F (10°C) and 90°F (32°C).



Image: Diagram showing the dimensions of the MARVOWARE Commercial Ice Maker Machine: 22.3"D x 17.8"W x 19.9"H.

3.3 Water Connection

Connect the ice maker to a cold, potable water supply. A water filter is recommended to improve ice quality and extend machine life.

- Connect the water inlet hose to the water supply valve and the inlet port on the back of the ice maker.
- Connect the drain hose to the drain port on the back of the ice maker and route it to an open drain. Ensure the drain hose has a continuous downward slope to prevent water stagnation.
- Turn on the water supply and check for leaks at all connections.

3.4 Electrical Connection

- Ensure the power supply matches the specifications of the ice maker (110V).
- Plug the power cord into a dedicated, grounded electrical outlet. Do not use multi-outlet adapters or extension cords.

3.5 Initial Cleaning

Before first use, it is recommended to perform an initial cleaning cycle.

- Refer to the 'Automatic Cleaning' section in the Operating Instructions for details on how to initiate a cleaning cycle.
- After the cleaning cycle, discard the first few batches of ice.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

The ice maker features an intelligent LCD control panel for easy operation and monitoring.



Image: Close-up of the MARVOWARE Commercial Ice Maker Machine's front, highlighting the LCD control panel with various indicators and touch controls.

- **Power Button:** Turns the unit on or off.
- **Ice Making Indicator:** Illuminates when the unit is actively producing ice.
- **Cleaning Indicator:** Illuminates during an automatic cleaning cycle.
- **Error Codes:** Displays specific codes if a malfunction occurs (refer to Troubleshooting).
- **Adjustment Buttons:** Used to modify ice thickness or cycle duration (if applicable).

4.2 Starting the Ice Maker

- Ensure the unit is properly installed and connected to water and power.
- Press the Power button on the control panel to turn on the ice maker.
- The unit will typically perform a self-check and then begin the ice-making process automatically.

4.3 Ice Production Cycle

The ice maker operates in cycles, producing batches of ice. The duration of each cycle depends on water temperature, ambient temperature, and selected ice thickness settings.

- Water flows over the evaporator plate, freezing into ice cubes.
- Once the ice reaches the desired thickness, a hot gas defrost cycle releases the ice into the collection area (storage bin, not included).
- The cycle then repeats automatically.

4.4 Automatic Cleaning Function

The automatic cleaning function helps maintain hygiene and efficiency.

- To initiate an automatic cleaning cycle, locate the dedicated cleaning button or option on the LCD panel.
- Follow the on-screen prompts. The cycle typically involves flushing the water system.
- It is recommended to perform this function regularly, especially if the machine has been idle for an extended period.

5. MAINTENANCE

Regular maintenance ensures optimal performance, ice quality, and extends the lifespan of your ice maker.

5.1 Daily/Weekly Maintenance

- **Exterior Cleaning:** Wipe down the exterior surfaces with a soft cloth and mild detergent. Avoid abrasive cleaners.
- **Water Line Check:** Visually inspect water lines for any signs of leaks or damage.

5.2 Monthly Maintenance

- **Condenser Cleaning:** The condenser fins can accumulate dust and debris, reducing efficiency. Disconnect power, then use a soft brush or vacuum cleaner to gently clean the fins.
- **Water System Flush:** Run the automatic cleaning cycle as described in the Operating Instructions.



Image: Internal view of the MARVOWARE Ice Maker Machine, showing the SECOP compressor and cooling components, which require periodic cleaning.

5.3 Quarterly/Bi-Annual Maintenance

- **Descaling:** Over time, mineral deposits can build up in the water system. Use a commercial ice maker descaling solution following the manufacturer's instructions. Always flush the system thoroughly with clean water afterward.
- **Water Filter Replacement:** If an external water filter is used, replace it according to the filter manufacturer's recommendations.

Important: Always disconnect the power supply before performing any maintenance or cleaning procedures.

6. TROUBLESHOOTING

This section provides solutions for common issues you may encounter. For problems not listed or if solutions do not resolve the issue, contact customer support.

Problem	Possible Cause	Solution
No ice production	No power; Water supply off; High ambient temperature; Compressor issue.	Check power connection and circuit breaker; Ensure water supply valve is open; Verify ambient temperature is within operating range; Contact support if compressor is suspected.
Ice is too thin or soft	Low water pressure; Clogged water filter; High water temperature; Dirty condenser.	Check water pressure; Replace water filter; Ensure cold water supply; Clean condenser fins.
Water leaks	Loose water connections; Clogged drain hose; Damaged water line.	Tighten all water connections; Clear any blockages in the drain hose; Inspect and replace damaged water lines.
Unit making unusual noise	Loose components; Fan obstruction; Compressor issue.	Inspect for loose parts and secure them; Clear any obstructions from fan blades; Contact support for compressor noise.
Error code displayed	Specific system malfunction.	Refer to the specific error code in the full manual (if available) or contact MARVOWARE technical support with the code.

7. SPECIFICATIONS

Technical specifications for the MARVOWARE Commercial Ice Maker Machine MW-AF1227-Head.

Attribute	Value
Brand	MARVOWARE
Model Name	MW-AF1227-Head
Product Dimensions (D x W x H)	22.3" x 17.8" x 19.9"
Ice Production Capacity	400 lbs / 24 hours
Wattage	1165 watts
Voltage	110 Volts
Refrigerant	R290a
Material	Stainless Steel
Item Weight	90.8 pounds
Certifications	ETL Approval
What's in the Box	Commercial Ice Maker Head

8. WARRANTY & SUPPORT

MARVOWARE stands behind the quality of its products.

- **30-Day Replacement:** We offer a 30-day replacement for any quality problems or cargo damage from the date of

purchase.

- **Lifetime Technical Service:** MARVOWARE provides lifetime technical service and troubleshooting support for any questions or issues you may encounter with your ice maker.

For warranty claims, technical assistance, or troubleshooting support, please contact MARVOWARE customer service through the retailer where the product was purchased or visit the official MARVOWARE website for contact information.

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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.

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Anonymous

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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

Answered questions about this manual

I have my MARVOWARE MW-AF1227-Head ice maker set at -4, but the ice is still too thick. How can I fix this?

On the MARVOWARE MW-AF1227-Head, the ice thickness is controlled by adjusting the cycle duration using the adjustment buttons on the LCD control panel. If your ice is still too thick at a setting of...

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