

Atosa YR140-1

Atosa Commercial Ice Maker Machine YR140-1 User Manual

Model: YR140-1

1. INTRODUCTION

Thank you for choosing the Atosa Commercial Ice Maker Machine, Model YR140-1. 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.

The Atosa YR140-1 is a high-capacity commercial ice maker designed for demanding environments, capable of producing up to 142 lbs of ice per 24 hours with an 88 lbs built-in storage bin. It features a durable stainless steel exterior and is Energy Star certified for efficient operation.

2. SAFETY INFORMATION

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

- Ensure the unit is properly grounded.
- Do not operate the unit with a damaged power cord or plug.
- Keep ventilation openings clear of obstructions.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- Only qualified personnel should perform installation and repairs.
- Disconnect power before cleaning or performing maintenance.
- 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.

3. PRODUCT OVERVIEW

The Atosa YR140-1 Commercial Ice Maker is designed for reliable ice production in commercial settings. Below are key features and components.

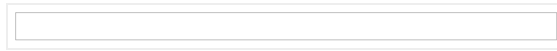


Figure 3.1: Front view of the Atosa Commercial Ice Maker Machine YR140-1, showing its stainless steel construction and ice bin access.



Figure 3.2: Dimensional drawing of the Atosa YR140-1 ice maker, indicating a depth of 28.5 inches, width of 23.7 inches, and height of 38.6 inches.



Figure 3.3: Illustration highlighting the ice maker's capacity: up to 142 lbs of ice production per 24 hours with an 88 lbs storage bin.

Key Features:

- **Easy-Access Door:** A sliding door provides convenient access to the ice bin.
- **Half-Cubed Ice:** Produces half-cubed ice, suitable for various beverages and easy handling.
- **Simple Controls:** Features an intuitive power switch for operation.



Figure 3.4: Detailed view of the ice maker's features, including the sliding access door, ice-making evaporator, and the power/clean switch.



Figure 3.5: Examples of typical commercial applications for the Atosa ice maker, such as bars, restaurants, coffee shops, and hotels.

Included Accessories:



Figure 3.6: Image showing the standard accessories: an inlet hose for water supply, a drain hose for water removal, and an ice scoop for serving.

4. SETUP

4.1 Unpacking

- Carefully remove all packaging materials.
- Inspect the unit for any shipping damage. Report any damage immediately to the carrier and supplier.
- Remove all protective films and tapes from the exterior and interior surfaces.

4.2 Location Requirements

- Place the ice maker on a level, sturdy surface capable of supporting its weight when full of ice and water.
- Ensure adequate ventilation around the unit. Maintain at least 6 inches of clearance from walls and other objects for proper airflow.
- Avoid direct sunlight or proximity to heat sources.
- The ambient temperature should be between 50°F (10°C) and 90°F (32°C).
- Ensure a floor drain or suitable drainage system is available for the drain hose.

4.3 Water Connection

- Connect the provided inlet hose to a potable water supply with a shut-off valve. The water pressure should be between 20-80 PSI.
- Connect the other end of the inlet hose to the water inlet connection on the back of the ice maker.
- Connect the provided drain hose to the drain outlet on the ice maker and route it to a floor drain, ensuring a continuous downward slope for proper drainage.
- Check all connections for leaks.

4.4 Electrical Connection

- Ensure the electrical supply matches the specifications of the ice maker (110 Volts, 60Hz).
- Plug the ice maker into a dedicated, grounded electrical outlet. Do not use extension cords or adapter plugs.

5. OPERATING INSTRUCTIONS

5.1 Initial Startup

- After connecting water and power, turn on the water supply valve.
- Locate the power switch (refer to Figure 3.4) and switch it to the "ICE" position.
- The ice maker will begin its ice-making cycle. The first batch of ice may take longer and should be discarded to ensure cleanliness.

5.2 Ice Production

- The machine will automatically produce ice until the storage bin is full, then it will pause.
- When ice is removed from the bin, the machine will resume production automatically.
- Use the provided ice scoop (Figure 3.6) to retrieve ice from the bin.



Figure 5.1: Demonstrating the use of the ice scoop to retrieve ice from the storage bin.

5.3 Shutting Down

- To temporarily stop ice production, switch the power button to the "OFF" position.
- For extended shutdown or maintenance, switch the power button to "OFF", unplug the unit, and close the water supply valve.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your ice maker.

6.1 Daily Cleaning

- Wipe down the exterior with a soft cloth and mild detergent.
- Clean the ice scoop after each use.

6.2 Weekly Cleaning

- Empty the ice bin and clean its interior with a food-safe sanitizer. Rinse thoroughly.
- Check and clean the air filter located on the front or side of the unit. A clogged filter reduces efficiency.

6.3 Monthly / Quarterly Descaling and Sanitizing

Depending on water hardness and usage, the ice maker's internal components will require descaling and sanitizing. Refer to the "CLEAN" setting on the power switch (Figure 3.4).

1. Turn off the ice maker and unplug it. Close the water supply valve.
2. Drain any remaining water from the reservoir.
3. Prepare a descaling solution according to manufacturer's instructions (typically a citric acid-based solution).
4. Pour the descaling solution into the water reservoir.
5. Plug in the unit and switch the power button to the "CLEAN" position. The machine will run a cleaning cycle.
6. After the cleaning cycle, drain the solution and rinse the reservoir thoroughly.
7. Repeat the process with a sanitizing solution (e.g., diluted bleach solution, following food-safe guidelines) if sanitization is required.
8. Rinse multiple times with fresh water to remove all traces of cleaning solutions before resuming ice production.

Note: Always follow the instructions provided with your specific descaling and sanitizing agents.

7. TROUBLESHOOTING

Before contacting service, please check the following common issues:

Problem	Possible Cause	Solution
No power	Unit unplugged; circuit breaker tripped; power switch off.	Ensure unit is plugged in; reset breaker; turn power switch to "ICE".
No ice production	Water supply off; clogged water filter; low water pressure; ambient temperature too high.	Turn on water supply; clean/replace water filter; check water pressure; ensure proper ventilation.
Ice is thin or soft	Low water flow; high ambient temperature; dirty condenser.	Check water supply; ensure proper ventilation; clean condenser coils.
Water leaks	Loose water connections; clogged drain hose.	Tighten connections; clear drain hose obstruction.
Unusual noise	Loose components; fan obstruction; compressor issue.	Inspect for loose parts; clear fan area; contact service if compressor noise persists.

If the problem persists after attempting these solutions, please contact qualified service personnel.

8. SPECIFICATIONS

Feature	Specification
Brand	Atosa
Model Name	commercial ice maker
Model Number	YR140-1
Product Dimensions (D x W x H)	28.5"D x 23.5"W x 38.6"H

Feature	Specification
Ice Making Capacity (per 24h)	Up to 142 lbs
Storage Capacity	88 lbs
Wattage	363 Watts
Voltage	110 Volts
Refrigerant	R290a
Material	Stainless Steel
Item Weight	176 pounds
UPC	706352923836
Energy Star Certified	Yes

9. WARRANTY AND SUPPORT

9.1 Manufacturer's Warranty

- **Parts and Labor:** 1 year
- **Compressor:** 5 years

This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, warranty service, or to order replacement parts, please contact Atosa customer support. Refer to the contact information provided with your purchase documentation or visit the official Atosa website.