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Foster FAC-700

Foster Commercial Ice Maker User Manual

Model: FAC-700

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, maintenance, and troubleshooting of your Foster Commercial Ice Maker, Model FAC-700. This industrial modular ice cube machine is designed for commercial use, capable of producing up to 700 pounds of ice per day with a 375-pound storage bin. Please read this manual thoroughly before installation and operation to ensure optimal performance and longevity of your unit.



Figure 1: Foster Commercial Ice Maker, Model FAC-700. This image displays the full unit, including the ice-making head on top and the integrated storage bin below, both constructed from durable stainless steel. The unit features a control panel on the upper section and air vents on the side for the air-cooled system.

SAFETY INSTRUCTIONS

Always adhere to the following safety precautions to prevent injury or damage to the unit:

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

SETUP AND INSTALLATION

Proper installation is critical for the performance and longevity of your ice maker. This unit requires professional installation.

1. Unpacking

- Carefully remove all packaging materials.
- Inspect the unit for any shipping damage. Report any damage immediately to your supplier.
- Retain packaging for future transport if necessary.

2. Location Requirements

- Place the unit on a level, stable surface capable of supporting its weight when full of ice.
- Ensure adequate clearance around the unit for proper air circulation, especially for the air-cooled system's vents.
- Avoid direct sunlight or heat sources.
- Maintain ambient temperatures between 50°F (10°C) and 90°F (32°C).

3. Electrical Connection

IMPORTANT: This 220-volt unit comes with a pigtail style cord that needs to be hardwired by a qualified installer. Ensure the electrical supply matches the unit's requirements and is properly grounded. Consult local electrical codes.

4. Water Supply and Drainage

- Connect the unit to a potable water supply. An efficient water filter is included and should be properly installed.
- Ensure proper drainage is available for wastewater and melted ice. The unit features automatic drainage.
- Maintain water pressure between 20 PSI and 80 PSI.

5. Initial Cleaning

Before first use, clean the ice storage bin and all ice-contacting surfaces with a mild, food-grade sanitizer solution. Rinse thoroughly with clean water.

OPERATING INSTRUCTIONS

Follow these steps for daily operation of your Foster Commercial Ice Maker.

1. Power On

- Once installed and connected, turn on the main power switch for the unit.
- The control panel will illuminate, indicating the unit is ready.

2. Ice Production Cycle

- The machine will automatically begin the ice-making cycle.
- Water flows over the evaporator, freezing into perfectly shaped full dice ice cubes.
- Once the ice reaches the desired thickness, it is harvested and drops into the 375 lb storage bin.
- The unit features a quiet operating system, minimizing noise during production.

3. Ice Storage

The insulated storage bin, combined with the air cooling system, is designed to keep ice cubes cold and fresh for extended periods, typically up to 24 hours, provided the lid remains closed and the ambient temperature is within recommended limits.

4. Power Off

To turn off the unit, simply switch off the main power. For extended periods of non-use, it is recommended to also shut off the water supply.

MAINTENANCE

Regular maintenance ensures efficient operation and extends the lifespan of your ice maker.

1. Daily Maintenance

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

2. Weekly Maintenance

- Clean the ice storage bin. Remove all ice, wash with a mild detergent, rinse, and sanitize.
- Check and clean the air filter on the condenser (if accessible) to ensure proper airflow for the air-cooled system.

3. Monthly / Bi-Monthly Maintenance

- **Cleaning Mode:** Utilize the easy-to-use cleaning mode feature. Refer to the control panel instructions for activating this cycle. This mode facilitates internal cleaning and automatic drainage.
- Descaling the ice-making system using a commercial ice machine descaler. Follow the descaler manufacturer's instructions carefully.
- Sanitize the ice-making system after descaling.
- Inspect water lines and connections for leaks.

4. Water Filter Replacement

The integrated water filter should be replaced regularly, typically every 6 months or as indicated by water quality and usage. A clean filter is essential for producing clear, high-quality ice and protecting internal components.

TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed or if issues persist, contact qualified service personnel.

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; tripped circuit breaker; faulty wiring.	Check power connection and circuit breaker. Contact a qualified electrician for wiring issues.
No ice production.	No water supply; clogged water filter; high ambient temperature; refrigerant leak.	Ensure water supply is on. Replace water filter. Verify room temperature is within operating limits. Contact service for refrigerant issues.
Ice production is slow or ice is thin.	Dirty condenser; low water pressure; high water temperature; scaling on evaporator.	Clean condenser. Check water supply pressure. Ensure water temperature is appropriate. Perform descaling procedure.
Unusual noise during operation.	Loose components; fan obstruction; compressor issue.	Inspect for loose parts. Clear any obstructions from fans. If noise persists, contact service.

Problem	Possible Cause	Solution
Water leaks.	Loose water connections; clogged drain line.	Tighten water connections. Clear any blockages in the drain line.

SPECIFICATIONS

Key technical specifications for the Foster Commercial Ice Maker, Model FAC-700.

- **Model Name:** FAC-700
- **Brand:** Foster
- **Ice Production Capacity:** 700 Pounds per Day
- **Ice Storage Bin Capacity:** 375 Pounds
- **Product Dimensions (D x W x H):** 33" x 30" x 66"
- **Cooling System:** Air Cooled
- **Electrical Requirements:** 220 Volt (requires hardwiring by qualified installer)
- **Wattage:** 1.7 KW
- **Ice Type:** Full Dice Cubes
- **Certifications:** NSF Approved, ETL Listed
- **Date First Available:** April 19, 2018

WARRANTY AND SUPPORT

Foster stands behind the quality of its products.

- **Parts and Labor:** 1-year coverage from the date of purchase.
- **Compressor:** 3-years coverage from the date of purchase.

For warranty claims, technical support, or service inquiries, please contact Foster customer service. Ensure you have your model number (FAC-700) and purchase date available.

Note: Warranty coverage is subject to proper installation, operation, and maintenance as outlined in this manual. Damage due to improper installation or misuse is not covered.