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> Coolake IM55BS-120LBS Under Counter Ice Maker Instruction Manual

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Model: IM55BS-120LBS | Brand: Coolake

1. IMPORTANT SAFETY INFORMATION

Read all instructions before using this appliance. Failure to follow these safety instructions may result in fire, electric shock, or injury.

- **Electrical Safety:** Ensure the ice maker is connected to a properly grounded 115V AC outlet. Do not use extension cords. Disconnect power before cleaning or servicing.
- **Water Connection:** Connect to a potable water supply only. Ensure all water connections are secure to prevent leaks.
- **Ventilation:** Maintain adequate clearance around the unit for proper ventilation. Do not block air vents.
- **Placement:** Install on a level, stable surface. This unit is designed for both built-in and freestanding installation.
- **Children:** Keep children away from the appliance. Do not allow them to play with or operate the ice maker.
- **Flammable Refrigerant:** This appliance contains R290a refrigerant, which is flammable. Handle with care and ensure proper ventilation during installation and servicing.

2. PRODUCT OVERVIEW

The Coolake IM55BS-120LBS is a high-capacity under counter ice maker designed for continuous ice production and storage. It features a durable stainless steel exterior and an intuitive control panel.

Key Features

- Produces up to 120 pounds of clear ice cubes daily.
- 40-pound ice storage bin.
- One-touch self-cleaning cycle for easy maintenance.
- Intuitive LCD control panel for adjusting ice cube thickness.
- Flexible installation: built-in or freestanding.

- Front-venting cooling system for space efficiency.
- Soft-glowing interior LED lighting.
- Includes a water filter to reduce scaling and corrosion.
- Enhanced thermal insulation for prolonged ice storage.

Included Components

- Ice maker unit
- Water filter



Figure 2.1: Interior view of the ice maker with ice cubes.



Figure 2.2: Enhanced Thermal Insulation layers.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your ice maker. Follow these steps carefully.

3.1 Unpacking

- Remove all packaging materials, including tape and protective films.
- Inspect the unit for any shipping damage. Report any damage to your retailer immediately.
- Allow the unit to stand upright for at least 24 hours before plugging it in to allow the refrigerant to settle.

3.2 Placement

- The ice maker can be installed as a freestanding unit or built-in under a counter.
- Ensure the installation location has a stable, level surface capable of supporting the unit's weight (65 lbs).
- Maintain adequate clearance for the front-venting system. No side or rear clearance is required for ventilation.
- Avoid direct sunlight or heat sources.
- Dimensions: 20.7"D x 14.96"W x 33.07"H.



Figure 3.1: Ice maker dimensions and adjustable feet.

3.3 Water and Drain Connection

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

- Connect the water inlet hose to a potable water supply with a shut-off valve.
- Install the provided water filter in the water line to reduce impurities.
- Connect the drain hose to a gravity drain. Ensure the drain hose has a continuous downward slope to prevent water backup.
- Check all connections for leaks before operating the unit.

User-Friendly Installation



Figure 3.2: Water and drain connection points.

3.4 Electrical Connection

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

4. OPERATING INSTRUCTIONS

Your Coolake ice maker is designed for simple operation. Familiarize yourself with the control panel and settings.

4.1 Initial Startup

- After installation and allowing the unit to settle, plug in the ice maker.
- Press the **POWER** button on the LCD control panel to turn on the unit.
- The unit will begin its first ice-making cycle. The first few batches of ice may be smaller or irregular; discard them.

4.2 LCD Control Panel

The intuitive LCD panel allows you to monitor and adjust settings.



Figure 4.1: LCD Control Panel.

- **MODE:** Selects different operating modes (if applicable).
- **CLEAN:** Initiates the self-cleaning cycle (press and hold for 3 seconds).
- **SET:** Adjusts ice cube thickness. Press to cycle through thickness options (Thin, Medium, Large).
- **POWER:** Turns the unit on or off.
- **Indicators:** Lights for Ice Making, Deicing, Ice Full, Cleaning, Over Temp, and Water Short provide status updates.

4.3 Adjusting Ice Cube Thickness

You can customize the ice cube thickness to suit your needs.

- Press the **SET** button on the LCD panel.
- Each press will cycle through available ice thickness settings, typically corresponding to different ice-making cycle durations (e.g., Thin/10 mins, Medium/15 mins, Large/20 mins).

- Select the desired thickness. The unit will remember this setting for subsequent cycles.



Figure 4.2: Ice cube thickness options.

5. MAINTENANCE AND CLEANING

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

5.1 Self-Cleaning Cycle

The ice maker features a convenient one-touch self-cleaning program.

- Ensure the ice bin is empty before starting the self-cleaning cycle.
- Press and hold the **CLEAN** button on the LCD panel for 3 seconds to activate the self-cleaning program.
- The unit will automatically clean the water lines and ice storage area. This process typically takes several minutes.
- Once complete, the unit will return to standby mode or resume ice production.



Figure 5.1: One-touch self-cleaning program in action.

5.2 Exterior Cleaning

- Wipe the stainless steel exterior with a soft cloth and mild detergent.
- Avoid abrasive cleaners or scouring pads that can scratch the surface.

5.3 Water Filter Replacement

The included water filter helps maintain ice quality and prevent mineral buildup. Replace the filter regularly as recommended by the manufacturer, typically every 3-6 months depending on water quality and usage.



Figure 5.2: Water filter installation.

6. TROUBLESHOOTING

Refer to this section for common issues and their solutions. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
No ice production	Unit not powered on; Water supply off; Water short indicator; Ambient temperature too high.	Press POWER button; Check water connection and valve; Refill water reservoir or check water line; Ensure proper ventilation.
Ice cubes are too small or soft	Water temperature too high; Ice thickness setting too thin; Ambient temperature too high.	Ensure cold water supply; Adjust ice thickness setting to Medium or Large; Improve ventilation or move unit to cooler location.
Water leak	Loose water connections; Clogged drain hose.	Check and tighten all water inlet and drain hose connections; Clear any obstructions in the drain hose.
Unit is noisy	Normal operation sounds; Unit not level.	Some operational sounds are normal (water flowing, compressor running); Ensure unit is on a level surface.
LCD shows error code	Specific internal issue.	Refer to the specific error code in the full user manual or contact customer support.

Your browser does not support the video tag.

Video 6.1: Demonstration of the Coolake under counter ice maker in operation, showing ice production and storage.

7. SPECIFICATIONS

Specification	Value
Brand	Coolake
Model Name	IM55BS-120LBS
Product Dimensions (D x W x H)	20.7"D x 14.96"W x 33.07"H
Capacity (Ice Storage)	40 Pounds
Ice Production per Day	120 Pounds
Wattage	3.43 kWh
Voltage	115 Volts (AC)
Item Weight	65 Pounds
Refrigerant	R290a
Material Type	Metal, Stainless Steel

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This Coolake ice maker is covered by a limited warranty:

- **Parts:** 3 Years
- **Compressor:** 5 Years

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

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Coolake customer support. Refer to your purchase documentation or the Coolake website for contact details.