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> KoolMore CIM-315 Modular Ice Maker Machine User Manual

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Model: CIM-315

1. PRODUCT OVERVIEW

The KoolMore CIM-315 is a commercial-grade modular ice maker machine designed for high-volume ice production. This free-standing unit features an air-cooled evaporator and a large-capacity ice bin, making it suitable for various commercial and industrial settings. It produces full cube ice and is constructed from durable stainless steel.





Image 1: Front view of the KoolMore CIM-315 Modular Ice Maker Machine with its ice bin.

Key features include:

- Up to 315 lbs of full cube ice production per day.
- Integrated ice bin with a storage capacity of up to 200 lbs.
- Built-in diagnostics system for optimal ice production and thickness control.
- Side-breathing design with rear exhaust for efficient heat dissipation in tight spaces.
- Adjustable legs for stability on uneven surfaces.

Video 1: Overview of KoolMore Commercial Ice Makers, demonstrating features and operation.

2. SAFETY INFORMATION

Please read all safety 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 115 Volt electrical outlet. Do

not use extension cords. Disconnect power before any service or maintenance.

- **Water Connection:** Connect the unit to a potable water supply using the provided water hose. Ensure all connections are secure to prevent leaks.
- **Placement:** Install the ice maker in a well-ventilated area. Maintain adequate clearance around the unit for proper airflow, especially for the side-breathing and rear exhaust system.
- **Refrigerant:** This unit contains R134a refrigerant. Servicing should only be performed by qualified personnel.
- **Children and Pets:** Keep children and pets away from the appliance during operation and maintenance.
- **Moving the Unit:** Use caution when moving the unit due to its weight (154 lbs). Always use appropriate lifting techniques or equipment.

3. UNPACKING AND INSTALLATION

3.1 Unpacking

1. Carefully remove the ice maker from its packaging.
2. Inspect the unit for any shipping damage. Report any damage to your supplier immediately.
3. Remove all packing materials, including tape and protective films.
4. Verify all included components are present: Ice Machine, Ice Bin, Ice Scoop, Water Filter, Water Hose, Drain Hose.

3.2 Placement

Choose a location that is level, well-ventilated, and away from direct sunlight or heat sources. The unit's side-breathing design with rear exhaust requires adequate clearance for proper airflow.



Image 2: The ice maker installed in a commercial kitchen, demonstrating appropriate placement.

3.3 Leveling

The ice maker is equipped with four 6-inch adjustable legs. Use a level to ensure the unit is perfectly level to optimize ice production and drainage.



Image 3: Detail of the adjustable legs for stability and leveling.

3.4 Water and Drain Connections

1. Connect the provided water hose to a cold potable water supply with a shut-off valve.
2. Connect the other end of the water hose to the water inlet on the ice maker.

3. Connect the drain hose to the unit's drain outlet and route it to an appropriate floor drain, ensuring a continuous downward slope for proper drainage.
4. Ensure all connections are tight to prevent leaks.

3.5 Electrical Connection

Plug the ice maker into a dedicated, grounded 115 Volt, 60 Hz electrical outlet. Do not use adapters or extension cords.

4. OPERATION

4.1 Control Panel

The ice maker features an easy-to-use control system with a digital display and buttons for various functions. Refer to the specific markings on your unit's control panel for detailed instructions.



Image 4: Detailed view of the ice maker's control panel.

4.2 Initial Startup

1. After installation, turn on the water supply to the unit.
2. Plug in the ice maker.
3. Press the power button on the control panel to start the ice production cycle.
4. Allow the unit to run for several hours to produce its first batch of ice. Discard the first few batches of ice to ensure cleanliness.

4.3 Adjusting Ice Thickness

The built-in diagnostics system allows for adjustment of ice production and thickness. Consult the control

panel instructions for specific steps on how to modify these settings to achieve optimal ice cube size and consistency.

5. MAINTENANCE AND CLEANING

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

5.1 Cleaning the Ice Bin

Periodically clean the ice bin to prevent bacterial growth and maintain ice quality. Use a mild, food-safe cleaning solution and rinse thoroughly.



Image 5: The ice bin with an ice scoop, illustrating access for cleaning.

5.2 Cleaning the Air Filter

The unit features a removable air filter for quick and easy maintenance. Clean the air filter regularly (monthly or as needed) to ensure proper airflow and prevent overheating. Refer to the unit's side panel for filter access.

5.3 Descaling and Sanitizing

Depending on water quality, the ice maker may require periodic descaling and sanitizing. Consult a qualified technician or the KoolMore support for recommended procedures and cleaning agents.

6. TROUBLESHOOTING

The built-in diagnostics system can help identify and resolve common issues. If the unit displays an error code, consult the control panel's manual or the KoolMore support for interpretation.

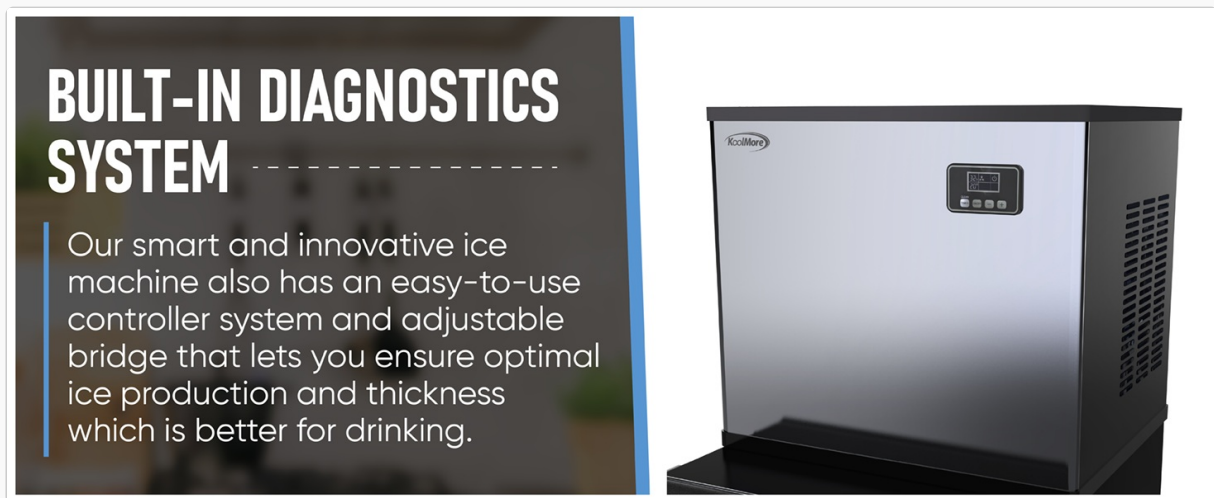


Image 6: Illustration of the built-in diagnostics system.

Common Issues:

- **No Ice Production:** Check water supply, power connection, and ensure the unit is not in a defrost cycle. Verify the air filter is clean.
- **Small or Soft Ice Cubes:** This may indicate insufficient water flow, high ambient temperature, or a dirty condenser. Check water pressure and clean the air filter.
- **Water Leaks:** Inspect all water and drain hose connections for tightness.
- **Unusual Noise:** Ensure the unit is level and not vibrating against other objects. If the noise persists, contact support.

For issues not resolved by basic troubleshooting, contact KoolMore customer support or a qualified service technician.

7. SPECIFICATIONS

Detailed technical specifications for the KoolMore CIM-315 Modular Ice Maker Machine.



Image 7: Dimensions of the KoolMore CIM-315 Modular Ice Maker Machine.

Specification	Value
Model Name	CIM-315
Brand	KoolMore
Product Dimensions (D x W x H)	25.2"D x 22.2"W x 63.4"H
Ice Bin Capacity	200 Pounds
Ice Production (per 24 hours)	315 Pounds
Voltage	115 Volts
Item Weight	154 Pounds
Refrigerant	R134a
Material Type	Stainless Steel
Included Components	Ice Machine, Ice Bin, Ice Scoop, Water Filter, Water Hose, Drain Hose

Specification	Value
UPC	810019862045

8. WARRANTY AND SUPPORT

8.1 Warranty Information

For detailed warranty information, please refer to the official KoolMore product page or contact KoolMore customer service directly. Warranty terms typically cover manufacturing defects and may vary.

8.2 Customer Support

If you have questions, require technical assistance, or need to report an issue, please contact KoolMore customer support. You can typically find contact information on the official KoolMore website or through your product retailer.

It is recommended to have your model number (CIM-315) and purchase date available when contacting support.