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› [COWSAR](#) /

› [COWSAR Commercial Cube Ice Maker User Manual](#)

COWSAR Z4790

COWSAR Commercial Cube Ice Maker User Manual

Model: Z4790 | Brand: COWSAR

INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, installation, and maintenance of your COWSAR Commercial Cube Ice Maker, Model Z4790. Please read this manual thoroughly before using the appliance and retain it for future reference.



Figure 1: Front view of the COWSAR Commercial Cube Ice Maker, Model Z4790, showcasing its stainless steel finish and the transparent lid of the ice storage compartment.

SAFETY INSTRUCTIONS

- Ensure the appliance is placed on a stable, level surface.
- Do not block ventilation openings.
- Connect to a grounded power outlet only.
- Keep the appliance upright for at least 24 hours before initial use.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

- 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.

SETUP AND INSTALLATION

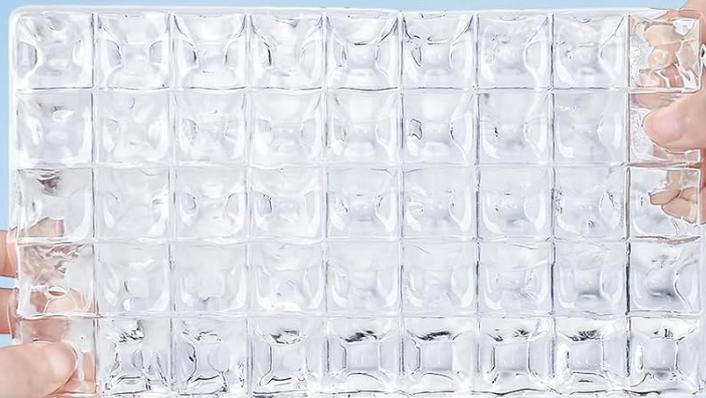
Proper setup is crucial for optimal performance and longevity of your ice maker.

Unpacking

- Carefully remove all packaging materials.
- Inspect the ice maker for any shipping damage. Report any damage to your supplier immediately.
- Ensure all accessories are present: ice scoop, water hose, drain hose.

Powerful Compressor

Quick cooling and low noise



Thin ice cube (11mins)



Medium ice cube (15mins)



Thick ice cube (20mins)



Smoothie



Drinks



Whiskey

Figure 2: Diagram illustrating the dimensions of the ice maker (15.87"D x 17.52"W x 31.3"H) and showing the included water hose, drain hose, and plastic ice scoop.

Placement

- Place the ice maker on a firm, level surface capable of supporting its weight when full of ice and water.
- Allow adequate clearance around the unit for proper ventilation (at least 5 inches from walls).
- Avoid direct sunlight or heat sources.
- Ensure the ambient temperature is within the recommended operating range (typically 50°F to 90°F / 10°C to 32°C).

Water and Drainage Connection

The ice maker requires a continuous water supply and a gravity drainage system.

1. Connect the provided water hose to the water inlet on the back of the machine and to a potable water supply. Ensure connections are secure to prevent leaks.
2. Connect the drain hose to the drain outlet on the back of the machine and route it to a floor drain or suitable drainage point. Ensure the drain hose has a continuous downward slope for gravity drainage.



Figure 3: Close-up view of the rear of the ice maker, highlighting the water inlet and drain inlet connections for proper plumbing setup.

Initial Preparation

- After placement and connection, allow the unit to stand upright for at least 24 hours before plugging it in. This allows the refrigerant to settle.
- Before making the first batch of ice, perform a cleaning cycle as described in the "Maintenance" section.

OPERATING INSTRUCTIONS

The COWSAR ice maker features an intuitive LCD control panel for easy operation.

Easy to Use



Figure 4: Detailed view of the LCD control panel, showing indicators for ice thickness, timer, cleaning, ice making status, and full ice alert, along with Power, Mode, Time (+), and Size (-) buttons.

Control Panel Functions

- **LCD Display:** Shows ambient temperature, current status, and timer settings.
- **POWER Button:** Turns the unit on or off.
- **MODE Button:** Used to select different modes, including initiating the cleaning program.
- **+ / - Buttons (Time/Size Control):** Adjusts ice making duration to modify ice cube thickness and sets timer.
- **Indicators:** Icons for Ice Making, Cleaning, Full Ice Alert, and Timer.

Ice Making Process

1. Ensure the unit is properly connected to water and power.
2. Press the **POWER** button to turn on the ice maker.
3. The machine will automatically begin the ice making cycle. The display will show the current ambient temperature.

4. **Adjusting Ice Cube Thickness:** Use the + or - buttons to adjust the ice making duration.

- Adding time increases ice thickness (e.g., for whiskey).
- Reducing time decreases ice thickness (e.g., for smoothies).

5. The ice maker produces approximately 45 ice cubes per cycle, with a total capacity of 100 lbs per 24 hours.



Figure 5: Illustration demonstrating how to adjust ice cube thickness by modifying the ice-making duration, showing examples for thin (11 mins), medium (15 mins), and thick (20 mins) ice cubes suitable for various beverages.

Ice Full Reminder

When the ice storage bin reaches its maximum capacity (approximately 29 lbs), the "Ice Full" indicator on the control panel will illuminate, and the machine will pause ice production. Empty the ice bin promptly to resume operation and prevent overflow.

Timer Function

The 24-hour timer allows you to schedule ice production. Use the + or - buttons to set the desired delay for the machine to start or stop.



Figure 6: Visual representation of the 24-hour timer function, illustrating its utility for scheduling ice production during off-peak hours (Night Mode) or ensuring ice is ready for business operations (Day Mode).

MAINTENANCE

Regular cleaning and maintenance ensure the longevity and hygienic operation of your ice maker.

Self-Cleaning Feature

The ice maker is equipped with a self-cleaning function. It is recommended to perform this cycle regularly based on usage frequency.

1. Ensure the unit is connected to both water supply and drainage.
2. Press and hold the **MODE** button for more than 5 seconds to enter the "Cleaning Program".
3. The machine will perform two cleaning cycles, typically lasting 30 minutes.

4. After the cleaning program completes, the unit will return to standby mode.



Figure 7: Diagram showing the control panel and the process to activate the self-cleaning function by pressing and holding the "Mode" button for 3 seconds, initiating a 30-minute cleaning cycle.

Manual Cleaning

- **Exterior:** Wipe the exterior with a soft cloth and mild detergent. Do not use abrasive cleaners.
- **Interior:** For thorough cleaning, unplug the unit, drain any remaining water, and wipe down the ice storage bin and ice-making components with a solution of water and white vinegar or a food-grade sanitizer. Rinse thoroughly with clean water.
- **Condenser:** Periodically clean the condenser coils (located at the back or bottom) with a brush or vacuum cleaner to ensure efficient operation.

TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Ice maker not producing ice.	No water supply; clogged water filter; ambient temperature too high; unit not plugged in.	Check water connection and supply; clean or replace water filter; ensure proper ventilation and lower room temperature; verify power connection.
Ice cubes are too thin or too thick.	Ice making duration setting is incorrect.	Adjust ice making duration using the + or - buttons on the control panel.
"Ice Full" indicator is on, but bin is not full.	Ice sensor is obstructed or dirty.	Clean the ice sensor located inside the ice bin.

Problem	Possible Cause	Solution
Water leakage.	Loose water or drain hose connections; clogged drain.	Tighten all hose connections; clear any obstructions in the drain hose.
Unusual noise during operation.	Unit not level; fan obstruction; compressor issue.	Ensure unit is level; check for obstructions around fan; if noise persists, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	COWSAR
Model Name	Z4790
Product Dimensions (D x W x H)	15.87" x 17.52" x 31.3"
Ice Production Capacity	100 lbs / 24 hours
Ice Storage Capacity	29 lbs
Ice Cubes per Cycle	45 cubes / 14 minutes
Wattage	250 watts
Voltage	110 Volts
Refrigerant	R290a
Material	Stainless Steel
Item Weight	71.3 pounds
Installation Type	Undercounter
Included Components	Plastic ice scoop, water hose, drain hose

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact COWSAR customer support. Details can typically be found on the product packaging or the official COWSAR website.

When contacting support, please have your model number (Z4790) and purchase date available.

You can visit the COWSAR Store for more information:[COWSAR Official Store](#)

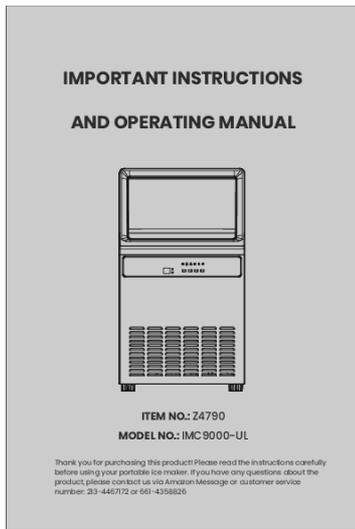
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Related Documents - Z4790

<p>PORTABLE AUTOMATIC ICE MAKER User Manual</p>  <p>HZB-20AF/S</p> <p><small>Thank you for purchasing the product! Please read the instructions carefully before using any appliance to ensure that you are familiar with the controls and operation of the product. Please do not attempt to repair or modify the product. For more information, please contact our Customer Support Department at 1-800-451-1111.</small></p>	<p>Portable Automatic Ice Maker User Manual - HZB-20AF/S</p> <p>Comprehensive user manual for the HZB-20AF/S portable automatic ice maker, covering safety instructions, setup, operation, maintenance, and troubleshooting.</p>				
<p>USER MANUAL PORTABLE NUGGET ICE MAKER</p>  <p>Model No. HZB-20DN</p> <p><small>Thank you for purchasing the product! Please read the instructions carefully before using any appliance to ensure that you are familiar with the controls and operation of the product. Please do not attempt to repair or modify the product. For more information, please contact our Customer Support Department at 1-800-451-1111.</small></p>	<p>Portable Nugget Ice Maker HZB-20DN User Manual</p> <p>Comprehensive user manual for the Cowsar HZB-20DN Portable Nugget Ice Maker, covering setup, operation, maintenance, and troubleshooting for optimal performance.</p>				
<p><small>Thank you for purchasing the product! Please read the instructions carefully before using any appliance to ensure that you are familiar with the controls and operation of the product. Please do not attempt to repair or modify the product. For more information, please contact our Customer Support Department at 1-800-451-1111.</small></p>	<p>COWSAR Product Warranty Information and Terms</p> <p>Detailed warranty information for COWSAR home appliances, including coverage, claims process, and exclusions. Learn about your 30-day warranty.</p>				
<table border="1"><tr><td>物料编码</td><td></td></tr><tr><td>版次</td><td>v1</td></tr></table> <p>此页不要印刷，只作说明</p>	物料编码		版次	v1	<p>COWSAR OL-BA012C-08CD/C Portable Air Conditioner User Manual</p> <p>User manual for the COWSAR OL-BA012C-08CD/C portable air conditioner. Features 12,000 BTU cooling, dehumidifier function, remote control, and covers modes like Cool, Dry, Speed, Fan, Swing, Timer, and Sleep.</p>
物料编码					
版次	v1				
<p>Portable Air Conditioner Owner's Manual</p>  <p>Item No. A4210-10K Appliances Model No. OL-BA010L-06CD/K</p> <p>READ AND SAVE THESE INSTRUCTIONS</p>	<p>Portable Air Conditioner Owner's Manual - Model A4210-10K</p> <p>Comprehensive owner's manual for the COWSAR Portable Air Conditioner (Model A4210-10K, OL-BA010L-06CD/K). Learn about installation, operation, safety precautions, cleaning, and troubleshooting for your R32 refrigerant unit.</p>				

	<p>COWSAR Portable Air Conditioner User's Manual A5410CE / NPH-10C/X1E</p> <p>Comprehensive user manual for the COWSAR Portable Air Conditioner (Models A5410CE, NPH-10C/X1E). This guide provides essential information on safety, installation, operation, maintenance, and troubleshooting for optimal performance.</p>
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Documents - COWSAR – Z4790



[IMC9000-UL Portable Ice Maker: Operating Manual and Safety Instructions](#)

Comprehensive operating manual for the IMC9000-UL portable ice maker (Item No. Z4790). Includes safety guidelines, usage instructions, cleaning and maintenance, troubleshooting, and technical specifications. Contact ROWAN ELECTRIC APPLIANCE LLC for support.

lang:en score:38 filesize: 2.35 M page_count: 20 document date: 2023-12-08