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Leacco ZB-550B

Leacco Commercial Ice Maker Machine User Manual

Model: ZB-550B

PRODUCT OVERVIEW

The Leacco Commercial Ice Maker Machine (Model: ZB-550B) is a high-capacity, air-cooled modular ice cube machine designed for commercial use. It features robust stainless steel construction and advanced functionalities to ensure efficient ice production and sanitation.



Image: Front view of the Leacco Commercial Ice Maker Machine with its storage bin lid open, revealing a large quantity of clear ice cubes. The machine features a stainless steel exterior and a digital display on the top unit.

- **High-Output Ice Production:** Capable of producing up to 550 lbs of ice per 24 hours, with 182 ice cubes generated in just 5 minutes.
- **Large Storage Capacity:** The integrated stainless steel storage bin can hold up to 350 lbs of ice, maintaining its integrity for up to 8 hours.
- **Energy-Efficient Operation:** Designed for optimal energy consumption while producing high-quality, precise, and

clear ice cubes.

- **Enhanced Sanitation:** Features built-in 24/7 protection to inhibit microbial growth and prevent unpleasant tastes or odors.
- **User-Friendly Interface:** Equipped with a 3.5-inch touch display for monitoring operating statuses, setting cleaning reminders, and intelligent diagnostics.
- **Durable Construction:** Internal and external components are made from stainless steel for excellent durability and ease of maintenance.
- **Premium Components:** Utilizes a full-copper motor for both the evaporator and condenser, ensuring superior performance and longevity.

PACKAGE CONTENTS

Upon unpacking, ensure all components listed below are present and undamaged. If any items are missing or damaged, contact Leacco customer support immediately.

- Ice Maker Head Unit
- Ice Storage Bin (Container)
- Water Filter System
- Water Inlet Hose
- Drain Pipe
- Ice Scoop
- User Manual (this document)



Image: An illustration depicting the two boxes in which the ice maker is shipped. Box 1 contains the ice maker head unit and manual, while Box 2 contains the storage bin, water filter, hoses, and ice scoop. Note that delivery times for the two boxes may vary.

SPECIFICATIONS

Feature	Detail
Model Name	ZB-550B
Ice Production Capacity	550 lbs / 24 hours
Ice Storage Capacity	350 lbs (approx. 330.7 lbs)
Ice Production Cycle	182 cubes in 5 minutes
Wattage	1200 watts
Product Dimensions (D x W x H)	33.5" x 22.3" x 61"
Product Weight	179 Pounds
Cooling Type	Air Cooled
Material	Stainless Steel (internal & external)
Display	3.5-inch Touch Display

SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your ice maker. It is recommended that installation be performed by a qualified technician.

- 1. Unpacking:** Carefully remove all packaging materials. Inspect the machine for any shipping damage. Report any damage to the carrier and Leacco customer support immediately.
- 2. Placement:**
 - Place the ice maker on a level, stable surface capable of supporting its weight when full of ice.
 - Ensure adequate ventilation around the machine. Maintain at least 6 inches of clearance from walls and other obstructions for proper airflow.
 - Avoid placing the machine in direct sunlight or near heat sources.
 - The machine should be installed in an area with ambient temperatures between 50°F (10°C) and 90°F (32°C).
- 3. Assembly:**
 - Place the ice maker head unit securely onto the ice storage bin. Ensure it is properly aligned and seated.
 - Adjust the machine's feet to ensure it is level and stable. The adjustable feet allow for a height range of 4.3" to 5.3" from the floor.



Image: A visual guide showing the three main steps for installation: 1. Placing the ice machine head onto the storage bin. 2. Connecting the water supply through the filter. 3. Running the drain pipe to the floor drain.

4. Water Supply Connection:

- Connect the provided water inlet hose to a potable water supply with appropriate pressure (refer to specifications for exact pressure requirements).
- Install the included water filtration system in-line with the water supply to ensure clean ice production and prolong machine life.
- It is recommended to install a water pressure regulator if your water pressure exceeds the recommended range.



Image: An illustration highlighting the water filtration system and the sanitary ice tray, emphasizing the machine's commitment to healthy and clean ice production.

5. Drainage Connection:

- Connect the drain pipe from the ice maker to a suitable floor drain. Ensure the drain line has a continuous downward slope to prevent water accumulation.
- If a floor drain is not available, a condensation pump (not included) will be required to pump melted ice water to a higher drain point.

6. Electrical Connection:

- Connect the ice maker to a dedicated, grounded electrical outlet with the correct voltage and amperage as specified on the product label.
- Do not use extension cords or adapters.

OPERATING INSTRUCTIONS

The Leacco ice maker is designed for straightforward operation via its touch display.

One Touch Operation on 3.5-Inch LCD Screen

Ice full alarm, real-time monitoring, reservation function and more



Image: A detailed view of the 3.5-inch touch display, showing various icons for functions like power, cleaning, settings, and real-time monitoring of ice production and temperature.

1. **Power On/Off:** Press the power icon on the 3.5-inch touch display to turn the machine on or off.
2. **Initial Startup:** After connecting water and power, the machine will perform an initial self-check. Allow it to complete this process.
3. **Ice Production:**
 - Once powered on, the machine will automatically begin the ice-making cycle.
 - Monitor the ice production status on the display. The machine can produce 182 ice cubes in approximately 5 minutes.



Image: The Leacco ice maker positioned in a commercial environment, showcasing its intelligent design and key performance metrics such as 550 lbs/day production, 350 lbs storage, and 182 pieces per cycle.

4. **Ice Cube Thickness Adjustment:**

- The machine allows for adjustment of ice cube thickness to suit various needs.
- Refer to the display settings to select desired thickness:
 - Thin Ice: 5-8 minutes per cycle
 - Medium Ice: 8-11 minutes per cycle
 - Thick Ice: 11-15 minutes per cycle

Adjustable Ice Cube Thickness

Customize according to your specific needs

Thin Ice 5-8 Mins



Medium Ice 8-11 Mins



Thick Ice 11-15 Mins



Image: A visual representation of the adjustable ice cube thickness feature, showing examples of thin, medium, and thick ice cubes, along with the approximate time required for each type.

5. Scheduling Ice Production:

- Utilize the scheduling function on the touch display to program specific operating hours for the ice maker. This can help optimize energy usage and align with business needs.

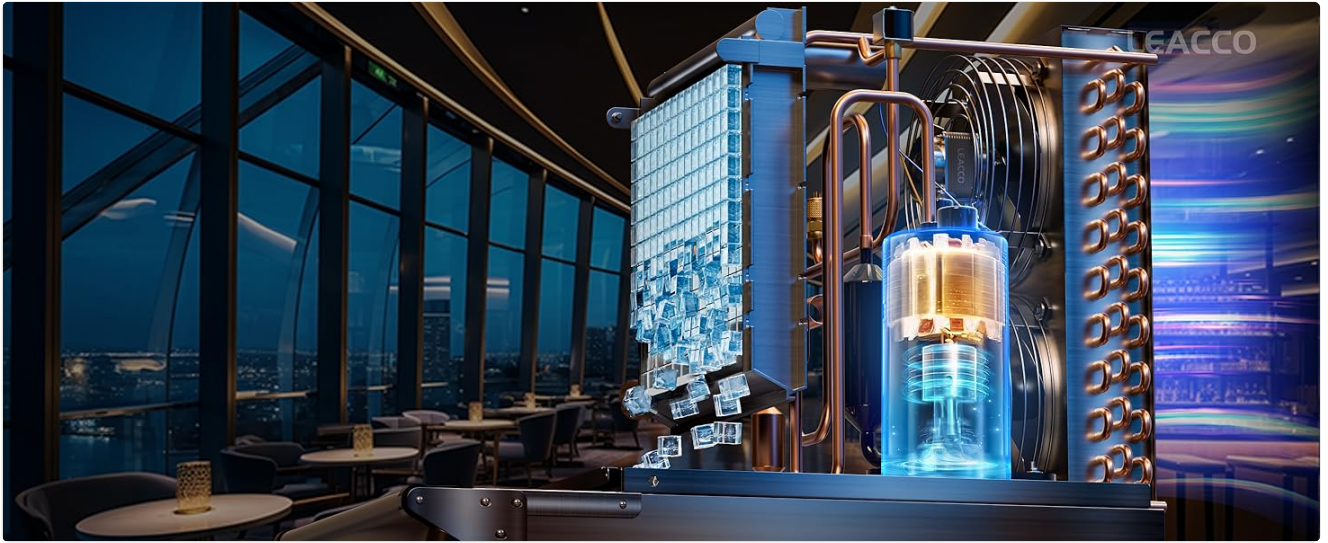


Image: The ice maker's display showing a scheduling interface, allowing users to set specific times (e.g., 10:00 PM to 8:00 AM) for ice production, which can be beneficial for managing energy costs.

6. **Ice Full Alarm:** The 3.5-inch touch display will communicate an "ice full" alarm when the storage bin is at capacity. The machine will continue to produce ice until manually shut off or programmed to stop. Note that the storage bin is a cooler and does not have active refrigeration to keep ice frozen indefinitely; ice will gradually melt.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Leacco ice maker. Always disconnect power before performing any maintenance.

1. One-Touch Cleaning and Descaling:

- The machine features an effortless one-touch cleaning and descaling function.
- Regularly use this feature to maintain hygiene and prevent mineral buildup. Follow the on-screen prompts on the 3.5-inch touch display.
- Cleaning reminders will appear on the display to prompt scheduled maintenance.

Effortless Self-Cleaning Function

Enjoy fresh and safe ice without the hassle



1 Touch



90S



Image: A cutaway view of the ice maker's internal components during the self-cleaning cycle, showing water circulating to clean the ice tray. The image highlights the "1 Touch" and "90S" (90 seconds) indicators for the cleaning process.

2. Water Filter Replacement:

- Periodically inspect and replace the water filter cartridge as recommended by the manufacturer or when water flow is noticeably reduced.
- A clean filter is essential for producing clear, high-quality ice and protecting internal components.

3. Exterior Cleaning:

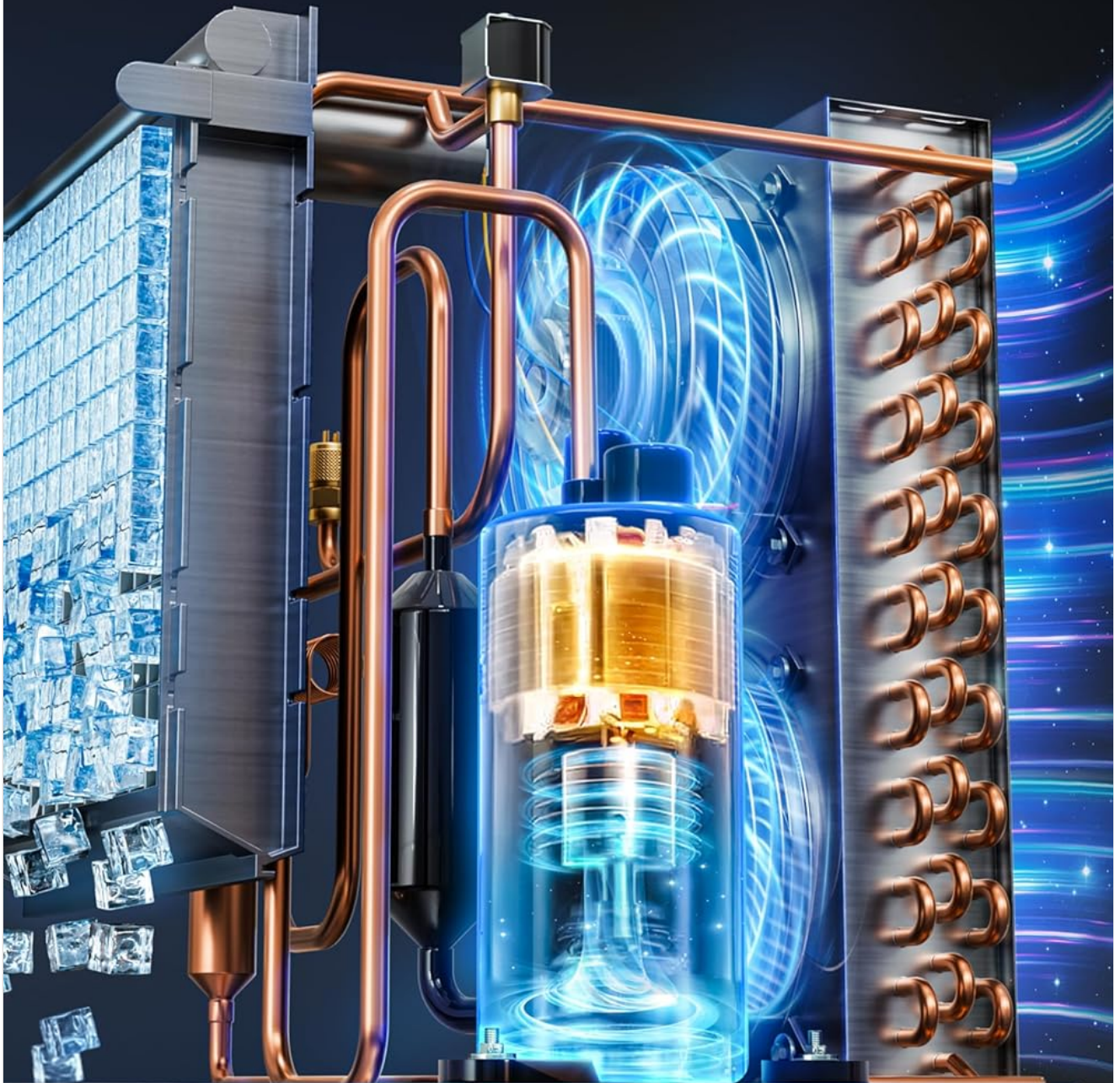
- Wipe down the stainless steel exterior with a soft cloth and mild detergent. Avoid abrasive cleaners or scouring pads that could scratch the surface.

4. Condenser Cleaning:

- The air-cooled condenser requires periodic cleaning to ensure efficient heat dissipation.
- Carefully clean the condenser fins with a soft brush or vacuum cleaner to remove dust and debris.

Powerful Air-Cooled Compressor

Get your ice prepared in
just 5 mins



LEACCO

Image: An internal view illustrating the powerful air-cooled compressor and the condenser coils, emphasizing the airflow for efficient cooling. This component is crucial for the machine's ice production capability.

TROUBLESHOOTING

This section provides solutions to common issues. For problems not listed or if solutions do not resolve the issue, contact Leacco customer support.

Problem	Possible Cause	Solution
No Ice Production	<ul style="list-style-type: none">◦ No water supply◦ Power disconnected◦ Water filter clogged◦ Machine is off	<ul style="list-style-type: none">◦ Check water connection and supply valve.◦ Ensure machine is plugged in and power is on.◦ Replace water filter.◦ Turn on the machine via the touch display.
Ice Melting Quickly in Bin	<ul style="list-style-type: none">◦ Storage bin is not refrigerated◦ High ambient temperature◦ Lid not closed properly	<ul style="list-style-type: none">◦ This is normal; the bin is for storage, not freezing.◦ Ensure proper ventilation and lower room temperature if possible.◦ Close the lid securely to maximize insulation.
Unusual Noise During Operation	<ul style="list-style-type: none">◦ Loose components◦ Condenser fan obstruction◦ Water pump issue	<ul style="list-style-type: none">◦ Check for loose parts and secure them.◦ Clean condenser fins.◦ Contact customer support if noise persists.
Water Leakage	<ul style="list-style-type: none">◦ Loose water connections◦ Clogged drain pipe◦ Condensation pump issue (if used)	<ul style="list-style-type: none">◦ Tighten all water inlet and drain connections.◦ Clear any obstructions in the drain pipe.◦ Check condensation pump operation.

The 3.5-inch touch display also offers intelligent diagnostics to help identify and address issues quickly, reducing maintenance costs and ensuring smooth operation.

WARRANTY AND SUPPORT

Leacco is committed to providing high-quality products and excellent customer service. For any questions, technical assistance, or warranty claims, please contact Leacco customer support.

While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty-related inquiries. Leacco customer support is known for being responsive and helpful.

For the most up-to-date contact information and warranty terms, please visit the official Leacco website or refer to the product packaging.