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EONIX LG-CY300

EONIX 1/3 HP Ice Bath Chiller LG-CY300 User Manual

Model: LG-CY300

1. Introduction

This manual provides essential information for the safe and efficient operation of your EONIX 1/3 HP Ice Bath Chiller, model LG-CY300. Please read this manual thoroughly before installation and use, and retain it for future reference. This chiller is designed to cool water in ice bath tubs to a desired temperature, enhancing your cold therapy experience.

2. Important Safety Information

WARNING: Failure to follow these safety instructions could result in fire, electric shock, injury, or property damage.

- Always ensure the chiller is placed on a stable, level surface.
- Do not operate the chiller if the power cord or plug is damaged.
- Keep all electrical connections dry and away from water.
- Ensure proper ventilation around the chiller to prevent overheating.
- Do not block air vents on the unit.
- Disconnect power before performing any maintenance or cleaning.
- 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.
- Use only the provided submersible pump and hoses, or compatible replacements.
- Allow the chiller to sit upright for at least 24 hours after transport before initial operation to allow compressor oils to settle.

3. Package Contents

Verify that all items listed below are included in your package:

- EONIX 1/3 HP Ice Bath Chiller Unit

- Household Submersible Water Pump
- Insulated Hoses (2)
- Waterproof Gaskets
- Hose Clamps / Screws
- Sealing Tape
- Power Cord
- Remote Control



Image: The EONIX 1/3 HP Ice Bath Chiller unit with its submersible pump, insulated hoses, power cord, and remote control.

4. Product Overview

The EONIX LG-CY300 Ice Bath Chiller is a compact and efficient unit designed for maintaining cold water temperatures in various cold plunge setups. It features a user-friendly control panel and robust construction.



Image: Close-up of the chiller's touch screen control panel and the included remote control for temperature adjustments.

Key Features:

- **Efficient Cooling:** 1/3 HP refrigeration compressor capable of cooling water down to 42°F (5.5°C).
- **User-Friendly Interface:** Touch screen control panel and remote control for easy temperature adjustment and mode selection.
- **Low Noise Operation:** Designed with quiet fans and side vents for effective heat dissipation and reduced noise levels (less than 50dB).
- **Compatibility:** Works with inflatable, insulated, or traditional cold water tubs.
- **Energy Saving:** Utilizes an energy-saving refrigeration compressor with R290 refrigerant.

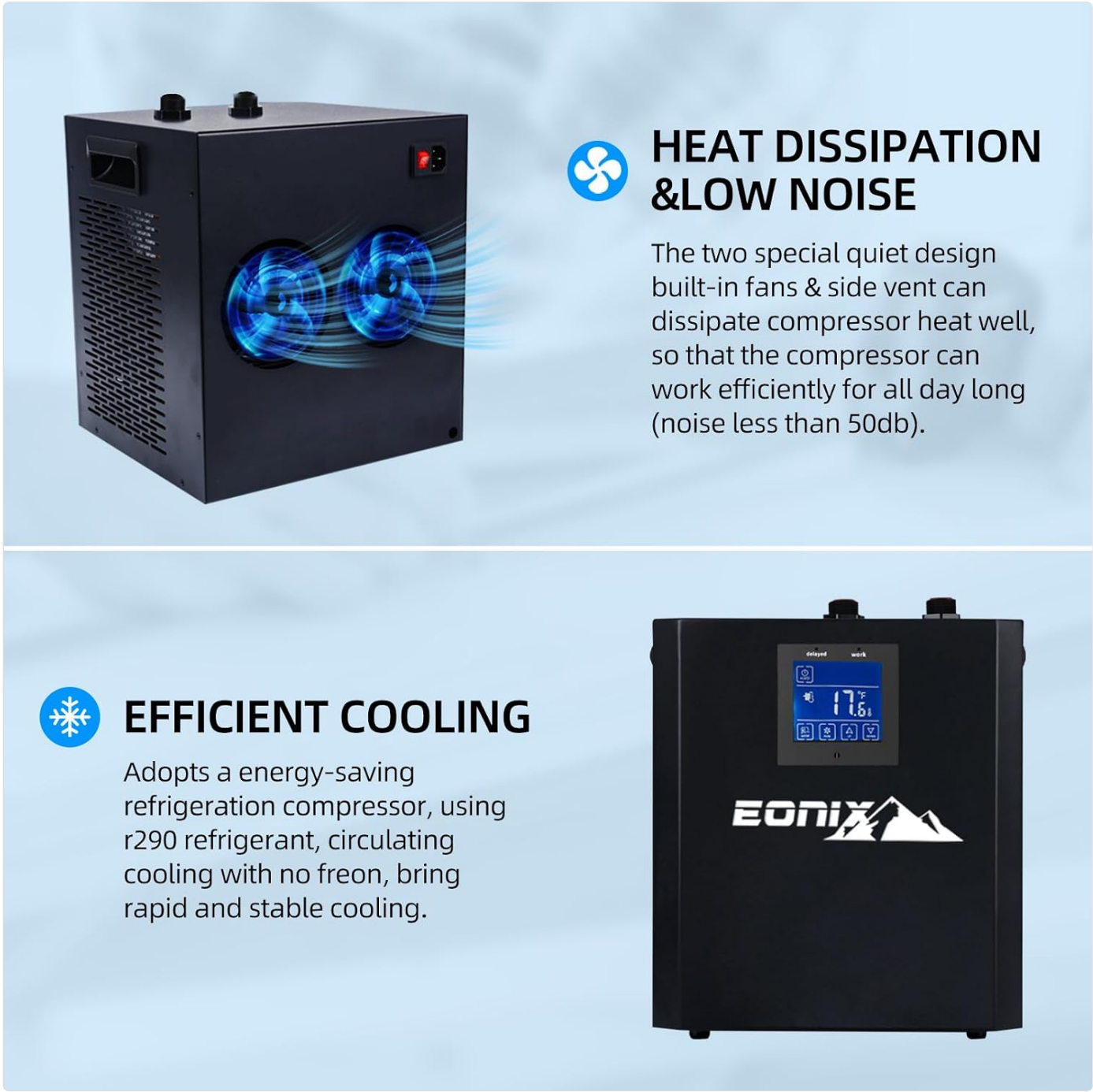


Image: Diagram illustrating the chiller's heat dissipation system with built-in fans and side vents, highlighting its low noise and efficient cooling capabilities.

5. Setup and Installation

Proper installation is crucial for the performance and longevity of your EONIX Ice Bath Chiller. Ensure all connections are secure and watertight.

General Setup Steps:

1. **Positioning:** Place the chiller on a stable, level surface near your ice bath tub. Ensure adequate space around the unit for ventilation.
2. **Hose Connection:** Connect the insulated hoses to the 'INLET' and 'OUTLET' ports on the top of the chiller. Secure them with the provided hose clamps.
3. **Submersible Pump:** Connect the submersible pump to one of the insulated hoses. This pump will circulate water from your tub through the chiller.

4. **Power Connection:** Plug the chiller and the submersible pump into grounded electrical outlets.
5. **Initial Wait:** After transport, allow the chiller to stand upright for at least 24 hours before plugging it in to allow the compressor oil to settle.

Installation Methods:



Image: Visual guide for connecting the chiller to an ice bath tub (Method 1) and a home bathtub (Method 2).

Method 1: For Dedicated Ice Bath Tubs

- Connect one insulated hose from the chiller's 'OUTLET' to the water return port of your ice bath tub.
- Place the submersible pump inside the ice bath tub.
- Connect the other insulated hose from the chiller's 'INLET' to the submersible pump.
- Ensure the pump is fully submerged and all connections are tight to prevent leaks.

Method 2: For Home Bathtubs

- Connect one insulated hose from the chiller's 'OUTLET' to direct water flow back into the bathtub.
- Place the submersible pump inside the home bathtub.
- Connect the other insulated hose from the chiller's 'INLET' to the submersible pump.
- Ensure the pump is fully submerged and positioned to draw water effectively.



Image: The household submersible pump, indicating a maximum flow rate of 550 GPH (Gallons Per Hour) and showing clockwise/anticlockwise flow adjustment.

6. Operating Instructions

Once installed, operating your EONIX chiller is straightforward using the touch screen or remote control.

Power On/Off:

- Press the **POWER** button on the control panel or remote to turn the unit on or off.

Setting Temperature:

- Use the **UP** and **DOWN** arrows on the control panel or remote to adjust the desired water temperature. The display will show the current and target temperatures.
- The chiller will automatically work to reach and maintain the set temperature.

Mode Selection:

- Press the **MODE** button to cycle through available operating modes (if applicable). Refer to the display icons for specific mode indicators.

Energy Saving:

The chiller is designed for energy-efficient operation, similar to a household refrigerator. It will cycle on and off as needed to maintain the set temperature, minimizing power consumption.



Image: The EONIX Chiller operating in a quiet environment, illustrating its low noise output for comfortable daily use.

7. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your chiller.

- **Cleaning Filters:** Periodically check and clean the air intake filters on the chiller to ensure proper airflow and prevent dust buildup.
- **Water Quality:** Maintain good water quality in your ice bath tub. Use appropriate water treatment solutions if necessary to prevent algae or bacterial growth that could affect the pump and chiller.
- **Hose Inspection:** Regularly inspect hoses for any signs of wear, cracks, or leaks. Replace damaged hoses immediately.
- **Pump Cleaning:** Clean the submersible pump periodically to remove any debris that may obstruct its operation.
- **Storage:** If storing the chiller for an extended period, drain all water from the unit and hoses, clean thoroughly, and store in a dry, protected area.

8. Troubleshooting

This section addresses common issues you might encounter with your EONIX Ice Bath Chiller.

Problem	Possible Cause	Solution
Chiller not turning on	No power, damaged power cord, unit not settled after transport.	Check power connection and outlet. Inspect power cord. Ensure unit has sat upright for 24 hours if recently moved.
Water not cooling sufficiently	Blocked air vents, dirty filters, insufficient water circulation, ambient temperature too high, tub not insulated.	Ensure clear airflow around the unit. Clean air filters. Check pump operation and hose connections. Consider insulating your tub.
Display shows incorrect temperature	Sensor malfunction or calibration issue.	Contact customer support for assistance.
Unusual noise from unit	Loose components, fan obstruction, compressor issue.	Check for loose parts. Ensure nothing is obstructing the fans. If noise persists, contact customer support.
Water leaking from connections	Loose hose clamps, damaged gaskets, improper sealing tape application.	Tighten hose clamps. Inspect and replace gaskets if damaged. Reapply sealing tape as needed.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact EONIX customer support.

9. Specifications

Feature	Detail
Model Number	LG-CY300

Feature	Detail
Product Dimensions	11.5 x 13 x 11.5 inches (29.2 x 33 x 29.2 cm)
Item Weight	39.4 pounds (17.89 kg)
Cooling Capacity	1/3 HP
Minimum Temperature	42°F (5.5°C)
Refrigerant	R290
Material	Stainless Steel
Color	Black
Pump Flow Rate (Max)	550 GPH

10. Warranty and Support

The EONIX 1/3 HP Ice Bath Chiller comes with a one-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical support, or any questions regarding your chiller, please contact EONIX customer service. Provide your model number (LG-CY300) and proof of purchase when contacting support.
EONIX is committed to providing assistance and will respond to inquiries within 24 hours.

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