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› ROVSUN Commercial Ice Maker 400LBS/24H with 300LBS Storage Instruction Manual

ROVSUN commercial ice machine-400

ROVSUN Commercial Ice Maker 400LBS/24H with 300LBS Storage Instruction Manual

Model: commercial ice machine-400

INTRODUCTION

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



Image: The ROVSUN Commercial Ice Maker, a freestanding unit with a stainless steel finish and an integrated ice storage bin.

SAFETY INFORMATION

To prevent injury to users or damage to the appliance, ensure all safety precautions are strictly followed. This appliance is designed for commercial use and should be operated by trained personnel or under supervision.

- Always connect the ice maker to a grounded power outlet.
- Do not operate the appliance with a damaged power cord or plug.
- Keep the area around the ice maker clear of flammable materials.
- Ensure proper ventilation around the unit to prevent overheating.
- Do not allow children to operate or play near the ice maker.
- Disconnect power before performing any maintenance or cleaning.

PRODUCT OVERVIEW

Key Features

- **Fast Ice Making:** Produces up to 400 lbs of ice per day, with 156 crystal clear ice cubes per cycle within 8-15 minutes.
- **Large Storage Capacity:** Features a 300 lbs stainless steel ice storage bin.
- **Durable Construction:** Built with heavy-duty stainless steel and a food-grade PP injection liner with a 6-sided cyclopentane foam layer for insulation, keeping ice from melting for up to 7 hours.
- **Smart LCD Panel:** Easy-touch digital panel displays the ice-making process, allows adjustment of ice-making time and cube thickness, and includes a built-in diagnostic system.
- **Adjustable Ice Thickness:** The thickness of ice cubes can be adjusted to suit various beverage needs (Thin, Medium, Thick).
- **Automatic Self-Cleaning:** One-button auto-cleaning function for pipes and trays, ensuring clean ice and reducing manual workload.

Components

The ROVSUN Commercial Ice Maker consists of the main ice-making unit and an integrated storage bin. Key components include:

- Ice Maker Head (Compressor unit)
- Ice Storage Bin
- Smart LCD Control Panel
- Water Inlet and Drain Hoses
- Water Filter
- Ice Scoop

THICKENED 6 SIDES FOAM LAYER

Cold-keeping
Effect up to

5-7 HOURS

Heavy-duty
Stainless Steel

Thicken
Cyclopentane
Foam Layer

Food Grade PP
Injection Liner

Notice:

Ice storage bin does not have
freezing function, so please use
the ice timely in case of being melted

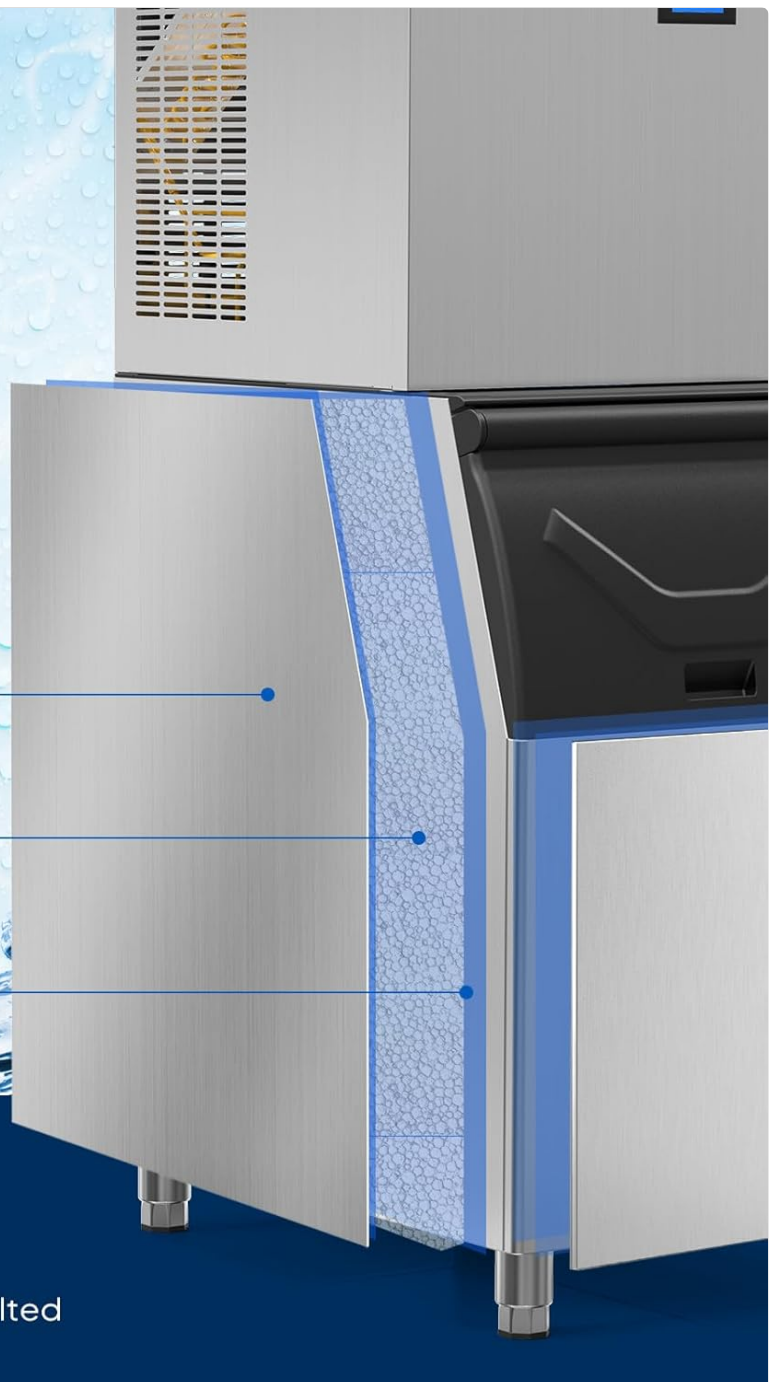


Image: Diagram showing the thickened 6-sided foam layer construction of the ice storage bin, highlighting heavy-duty stainless steel, thick cyclopentane foam layer, and food-grade PP injection liner. Note: The ice storage bin does not have a freezing function.

EFFICIENT

ICE MAKING



8-15 MINS

Fast Ice Making



182 PCS

Ice Per Cycle



550 LBS

Ice in 24 Hours



300 LBS

Storage Bin



Image: Infographic detailing the efficient ice-making process, including 8-15 minutes per cycle, 156 pieces of ice per cycle, 400 lbs ice production in 24 hours, and a 300 lbs storage bin.

SETUP

Unpacking and Placement

- Carefully unpack all components. The unit comes in two boxes.
- Place the ice maker on a stable, level surface. Ensure adequate clearance for ventilation around the unit.
- The freestanding split design with 4 stable feet allows flexible placement.

Water and Drain Connections

The ice machine requires a water line connection and a floor drain. Use the provided water filter, inlet hose, and draining hoses for installation.

1. Connect the water inlet hose to a potable water supply. Install the water filter in line with the water supply.

2. Connect the drain hoses from the ice maker and the ice bin to a suitable floor drain. Ensure proper slope for drainage.
3. Verify all connections are secure and leak-free.



Image: Diagram illustrating the easy connection process, showing the power on/off, water inlet, compressor water outlet, ice bin water outlet, water filter, and floor drain connections.

Electrical Connection

Connect the ice maker to a dedicated 110V grounded electrical outlet. Refer to the specifications for exact power requirements.

OPERATING INSTRUCTIONS

Smart LCD Control Panel

The ice maker features an intuitive LCD digital panel for easy operation and monitoring.

ADVANCED LCD PANEL FOR SMART OPERATION



Turn on / Standby



Mode Switching



Cleaning / Setting



Appointment / Increasing



Reducing



Image: Close-up of the advanced LCD panel, showing various icons for functions like Turn On/Standby, Mode Switching, Cleaning/Setting, Appointment/Increasing, and Reducing. The main display shows time and temperature.

INNOVATIVE LCD TOUCH SCREEN

SMART CONTROL PANEL SHOWS CLEARLY AND EASY OPERATION



Image: Detailed view of the innovative LCD touch screen, explaining status prompts (Compressor Running, Heat Valve Detection, Water Pumping, Fan Starting, Water Draining, Water Pressure, Ice Flip, Ice TH, Deicing, Time/Code, Ice Full, Error Prompt) and touch screen function keys.

Initial Start-up

1. After connecting water and power, press the **"Turn On/Standby"** button on the LCD panel to start the ice maker.
2. The unit will begin its initial cycle, which may include a self-check and water filling.

Adjusting Ice Cube Thickness

You can adjust the thickness of the ice cubes to your preference using the LCD panel settings.

- Navigate to the **"Setting"** option on the LCD panel.
- Select the desired ice thickness: Thin, Medium, or Thick. Thicker ice melts slower.



Image: Visual representation of ice thickness options (Thin, Medium, Thick) and how they appear, along with the ice tray per cycle and 24-hour ice output capacity.

Scheduling Ice Production

The appointment function allows you to schedule when the ice maker produces ice.

- Use the **"Appointment"** function on the LCD panel to set a desired start time for ice production.

- This feature is useful for ensuring a full bin of ice when needed, such as in the morning.

MAINTENANCE

Automatic Self-Cleaning

Regular cleaning is crucial for maintaining hygiene and extending the lifespan of your ice maker. The unit features an automatic self-cleaning function.

1. Ensure the ice bin is empty before starting the cleaning cycle.
2. Long press the **"Auto-Cleaning"** button on the LCD panel.
3. The machine will initiate a 10-minute cleaning cycle for pipes and trays.
4. It is recommended to perform this cleaning regularly.



Image: Illustration of the automatic self-cleaning process, showing a one-button start, cycle process, and 10-minute duration to ensure clean ice cubes and long working life.

Filter Replacement

The included water filter should be replaced periodically to ensure optimal ice quality and prevent mineral buildup. Refer to the filter manufacturer's instructions for replacement frequency.

Exterior Cleaning

Wipe the exterior stainless steel surfaces with a soft cloth and mild detergent. Avoid abrasive cleaners that could scratch the finish.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
No ice production	No water supply, power off, or clogged filter.	Check water connection, ensure power is on, replace water filter.

Problem	Possible Cause	Solution
Ice cubes are too thin/thick	Ice thickness setting incorrect.	Adjust ice thickness via the LCD control panel.
"Ice Full" indicator remains on	Ice bin is full or sensor is obstructed.	Remove ice from the bin or clear any obstruction from the sensor.
Unusual noise during operation	Loose components or internal issue.	Ensure unit is level. If noise persists, contact customer support.

SPECIFICATIONS

Detailed technical specifications for the ROVSUN Commercial Ice Maker.

Feature	Detail
Brand	ROVSUN
Model Name	commercial ice machine-400
Product Dimensions	31.7"D x 22"W x 63"H
Ice Making Capacity	400 LBS/24H
Ice Storage Capacity	300 LBS
Wattage	600 watts
Voltage	110 Volts
Refrigerant	R290a
Material	Plastic, Stainless Steel
Ice Making Time	8-15 minutes per cycle
Number of Ice Cubes per Tray	156 pcs
Room Temperature Range	50-100°F
Water Supply Temperature Range	41-95°F
Water Supply Pressure	0.04-0.6 MPa

SPECIFICATIONS

- **REFRIGERANT TYPE:** R290
- **ICE MAKING TIME:** 8-15MINS
- **ICE MAKING CAPACITY:** 400LBS/24H
- **NUMBER OF EACH ICETRAY:** 156PCS
- **ICE BIN STORAGE CAPACITY:** 300LBS
- **WEIGHT:** 148LBS (TOP COMPRESSOR: 88LBS+ BOTTON STORAGE BIN: 60LBS)
- **ROOM TEMP:** 50-100°F
- **WATER SUPPLY TEMP:** 41-95°F
- **WATER SUPPLY PRESSURE:** 0.04-0.6 MPA
- **VOLTAGE:** 115V/60HZ
- **MATERIAL:** STAINLESS STEEL & FOOD GRADE POLYPROPYLENE
- **PRODUCT SIZE:** 22.1" X 31.9" X 62.6" (L x W x H)

ROVSUN



PACKAGE LIST

Comes in 2 boxes & delivery time may be different per box



8-15 MINS
Fast Ice Making



156 PCS
Ice Per Cycle



24 HOURS



400 LBS
Ice in 24 Hours



300 LBS
Storage Bin



Image: Infographic summarizing key specifications and listing package contents, including the ice maker, water filter, inlet hose, draining hoses, and ice scoop.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official ROVSUN website. Keep your purchase receipt as proof of purchase.