

## Manitowoc IYT0450A

# Manitowoc IYT0450A Ice Cube Machine

## USER MANUAL

### Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Manitowoc IYT0450A Ice Cube Machine. Please read all instructions carefully before operating the unit.

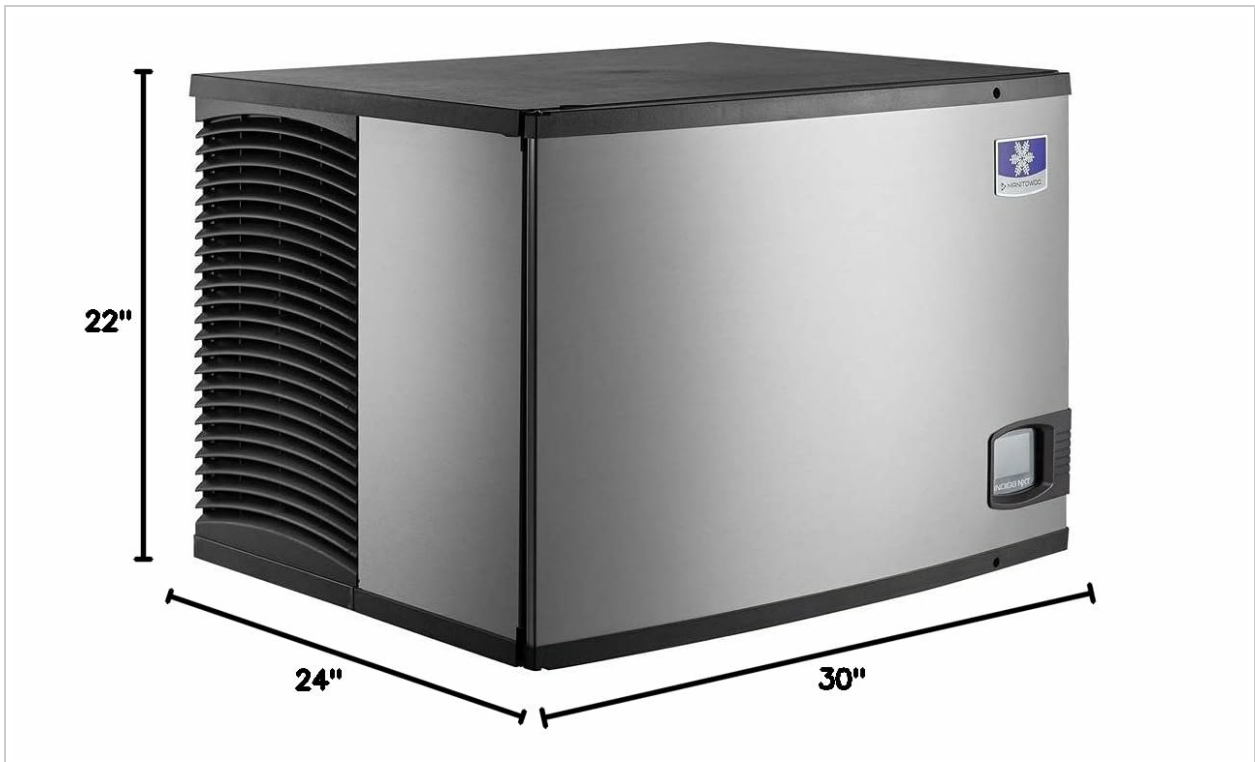


Figure 1: Manitowoc IYT0450A Ice Cube Machine with D400 Storage Bin.

The Manitowoc IYT0450A is an air-cooled ice machine designed for commercial use, producing clear half-dice sized ice. When paired with the D400 ice bin, it offers a storage capacity of 365 lbs and a daily production rate

of up to 490 lbs.

## Important Safety Information

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Always follow basic safety precautions to reduce the risk of fire, electric shock, or injury. This appliance must be properly installed and grounded in accordance with national and local codes. Do not operate the machine with damaged components or if it is not functioning correctly. Only qualified personnel should perform installation and servicing.

- Ensure the power supply matches the unit's requirements (115 Volts).
- Do not block air vents; proper airflow is crucial for air-cooled models.
- Keep hands and tools away from moving parts during operation.
- Disconnect power before performing any maintenance or cleaning.

## Unpacking and Installation

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Carefully remove the ice machine and any accessories from the packaging. Inspect the unit for any shipping damage. Report any damage immediately to the carrier and your dealer.

## Location Requirements

Select a location that is level, structurally sound, and can support the weight of the ice machine and a full bin of ice. Ensure adequate clearance around the unit for proper air circulation, especially for the air intake and exhaust vents. Avoid direct sunlight or heat sources.



Figure 2: Product dimensions of the Manitowoc IYT0450A Ice Cube Machine (24"D x 30"W x 22"H).

### Utility Connections

The IYT0450A requires a dedicated electrical circuit, a potable water supply, and a drain connection. All connections must comply with local plumbing and electrical codes. It is recommended that a qualified technician perform these connections.

- **Electrical:** Connect to a 115V power supply.
- **Water:** Connect to a cold, potable water supply with appropriate pressure. An inline water filter is recommended.
- **Drain:** Ensure proper drainage for melted ice and wastewater.

### Operating Instructions

The Manitowoc IYT0450A features an intuitive Indigo NXT control panel for easy operation and monitoring.



Figure 3: Close-up view of the Indigo NXT control panel.

### **Indigo NXT Control Panel Overview**

The Indigo NXT display provides real-time operational status, alerts, and access to various settings. The main screen typically shows the current status, such as 'Making Ice'.



## NEXT LEVEL OF SIMPLICITY



Figure 4: Key features of the Indigo NXT control panel.

- **Home Screen Status:** Displays current operational mode (e.g., Making Ice).
- **Alerts & Messages:** Notifies users of operational issues or maintenance reminders.
- **Asset Info:** Provides detailed information about the machine.
- **Start-up Wizard:** Guides installers or operators through initial setup and configuration.
- **Sanitation:** Access to cleaning and sanitizing cycles.
- **Lock:** Secures settings to prevent unauthorized changes.

### Ice Production

Once properly installed and powered on, the machine will automatically begin its ice-making cycle. The Indigo NXT display will indicate when ice is being produced. The IYT0450A produces half-dice ice cubes, which are clear and measure approximately 3/8" x 1-1/8" x 7/8".



Figure 5: Example of a half-dice ice cube produced by the machine.



Figure 6: Ice bin containing half-dice ice cubes.

## Maintenance

Regular maintenance is crucial for the longevity and efficient operation of your ice machine. Always

disconnect power before performing any maintenance.

## Cleaning the Exterior

Wipe down the exterior surfaces with a soft cloth and mild detergent. Avoid abrasive cleaners or pads that could scratch the Duratech material.



Figure 7: Cleaning the exterior of the ice machine.

## Internal Cleaning and Sanitizing

The Indigo NXT control panel provides access to automated cleaning and sanitizing cycles. Follow the on-screen prompts and use Manitowoc-approved cleaning solutions. Regular cleaning of the evaporator and water system prevents scale buildup and ensures hygienic ice production.



Figure 8: Internal view of the evaporator plate, which requires regular cleaning.



Figure 9: The snap-fit water pump, designed for easy maintenance.



Figure 10: Removing internal components for thorough cleaning.

### Air Filter Cleaning (Air-Cooled Models)

For air-cooled models, regularly clean the air filter to ensure optimal performance and prevent overheating. Refer to the Indigo NXT display for maintenance reminders.

### Troubleshooting

Before calling for service, review the following common issues and solutions. The Indigo NXT display may also provide diagnostic codes or messages.

Problem	Possible Cause	Solution
No ice production	No power; water supply off; clogged filter; high ambient temperature.	Check power connection; ensure water supply is on; clean/replace water filter; ensure proper ventilation.
Reduced ice production	Dirty condenser; low water pressure; scale buildup on evaporator.	Clean condenser fins; check water pressure; perform descaling cycle.
Unusual noise	Loose components; fan obstruction; compressor issue.	Inspect for loose parts; clear any obstructions; contact service if compressor noise persists.

Problem	Possible Cause	Solution
Water leaks	Loose water connections; clogged drain line; damaged water pump.	Tighten connections; clear drain line; contact service for pump inspection.

## Specifications

Feature	Detail
Brand	Manitowoc
Model Name	IYT0450A
Product Dimensions (D x W x H)	24" x 30" x 22"
Capacity (Daily Production)	450 lbs / 24 hours (actual production 490 lbs)
Ice Type	Half-Dice (3/8" x 1-1/8" x 7/8")
Wattage	1000 watts
Voltage	115 Volts
Refrigerant	R600a
Material Type	Duratech
Item Weight	0.01 Ounces (Note: This value appears to be incorrect and likely refers to packaging weight, not actual unit weight.)
Included Components	Ice Machine (D400 Storage Bin sold separately or as part of a bundle)

## Warranty Information

Manitowoc provides the following warranty for the IYT0450A Ice Cube Machine:

- **Residential Warranty:** 1 Year Parts & Labor
- **Commercial Warranty:**
  - Total Ice Machine & Bin: 3 Years Parts & Labor
  - Evaporator: 5 Years Parts & Labor
  - Compressor: 5 Years Parts & 3 Years Labor

Please retain your proof of purchase for warranty claims. Warranty terms and conditions may vary; refer to the official warranty document provided with your product for complete details.

## Customer Support

For technical assistance, parts, or service inquiries, please contact Manitowoc Customer Support. Have your model number (IYT0450A) and serial number ready when contacting support.

**Manitowoc Ice**

Manufacturer of the IYT0450A Ice Cube Machine.

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