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- › [Manitowoc](#) /
- › [Manitowoc IDT0500A Ice Cube Machine User Manual](#)

Manitowoc IDT0500A

Manitowoc IDT0500A Ice Cube Machine User Manual

Model: IDT0500A

INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your Manitowoc IDT0500A Ice Cube Machine with D400 Storage Bin. Please read this manual thoroughly before operating the unit and retain it for future reference.

The Manitowoc Indigo NXT Series ice machine is designed for reliable ice production, featuring preventative diagnostics that continuously monitor its performance. Its design emphasizes ease of cleaning and programmability, contributing to lower ownership costs and operational efficiency.



Figure 1: Manitowoc IDT0500A Ice Cube Machine with D400 Storage Bin. This image shows the complete ice machine unit, including the ice maker head and the storage bin below it.

IMPORTANT SAFETY INFORMATION

WARNING:

- Always disconnect power before performing any service or maintenance.
- Ensure proper grounding to prevent electrical shock.
- Do not operate the machine with damaged cords or plugs.
- Keep hands and foreign objects away from moving parts.
- Only qualified personnel should perform installation and major repairs.
- This appliance is intended for commercial use only.

SETUP AND INSTALLATION

Unpacking and Inspection

Carefully unpack the ice machine and storage bin. Inspect all components for any shipping damage. Report any damage to the carrier immediately.

Location Requirements

- **Dimensions:** The unit measures approximately 34"D x 30"W x 59.5"H. Ensure adequate space for installation and service access.
- **Ventilation:** As an air-cooled unit, ensure sufficient airflow around the machine. Do not block air intake or exhaust vents. Maintain at least 6 inches of clearance from walls and other obstructions.
- **Ambient Temperature:** Operate the machine in an environment where ambient temperatures are between 50°F (10°C) and 100°F (38°C).
- **Water Supply:** Connect to a potable water supply with appropriate pressure and filtration.
- **Drainage:** Ensure proper drainage for melted ice and wastewater.

Electrical Connection

The Manitowoc IDT0500A requires a 115 Volts electrical supply. The wattage is approximately 5.25 kWh. Ensure the electrical circuit meets local codes and the machine's requirements. A dedicated circuit is recommended.

Initial Cleaning

Before first use, clean the interior of the ice machine and storage bin thoroughly with a mild, food-safe sanitizer solution. Rinse thoroughly with clean water.

OPERATING INSTRUCTIONS

EasyTouch Display

The unit features an EasyTouch Display for intuitive control and monitoring. This display provides real-time information and allows for programmable ice production settings.



Figure 2: EasyTouch Display. This image shows a close-up of the digital control panel, displaying "MAKING ICE" and current time/date.

Starting the Machine

1. Ensure all connections (water, drain, electrical) are secure.
2. Turn on the main power switch.
3. Follow the on-screen prompts on the EasyTouch Display to initiate ice production.

Ice Production

The machine produces dice-shaped ice cubes, measuring approximately 7/8" x 7/8" x 7/8". The programmable ice production feature allows you to set specific production schedules to meet demand and optimize energy usage.



Figure 3: Dice-shaped ice cube. This image provides a close-up view of a single, clear, dice-shaped ice cube.

D400 Storage Bin

The D400 Storage Bin is designed to store up to 365 lbs of ice. It features a sanitary scoop and holder, a stay-up insulated ergonomic door, and a Duratech metal finish with a polyurethane Arctic Blue bin liner for optimal insulation and hygiene.



Figure 4: Sanitary Ice Scoop. This image shows a clear plastic ice scoop, designed for hygienic ice retrieval from the storage bin.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your ice machine. The Indigo NXT Series features an easy-to-clean foodzone and intelligent diagnostics to assist with maintenance.

Daily Checks

- Inspect the ice bin for cleanliness.
- Ensure the ice scoop is clean and stored properly.
- Check for any unusual noises or leaks.

Weekly/Bi-Weekly Cleaning

1. Turn off the machine and disconnect power.
2. Remove all ice from the storage bin.
3. Clean the interior of the ice bin and the foodzone with a recommended ice machine cleaner and sanitizer. Follow product instructions carefully.
4. Rinse all surfaces thoroughly with clean water.

5. Clean the exterior surfaces with a damp cloth.

Monthly/Quarterly Maintenance

- Clean the air filter (for air-cooled models) to ensure proper airflow and efficiency.
- Descale the ice machine evaporator and water system using an approved descaling solution.
- Check water filter cartridges and replace if necessary.
- Inspect water lines and drain lines for blockages or leaks.

The machine uses R134a refrigerant. Any work involving the refrigerant system must be performed by a certified technician.

TROUBLESHOOTING

The Manitowoc Indigo NXT Series features intelligent diagnostics that can help identify potential issues. Refer to the EasyTouch Display for diagnostic codes and messages.

Common Issues and Solutions:

Problem	Possible Cause	Solution
No Ice Production	No power, water supply off, clogged water filter, high ambient temperature.	Check power supply, ensure water valve is open, replace water filter, ensure proper ventilation.
Low Ice Production	Dirty condenser, low water pressure, scale buildup on evaporator, high ambient temperature.	Clean condenser, check water supply, descale machine, ensure proper ventilation.
Unusual Noise	Loose components, fan obstruction, compressor issue.	Inspect for loose parts, clear fan area, contact service technician if compressor noise persists.
Water Leaks	Loose connections, clogged drain, damaged water line.	Tighten connections, clear drain line, inspect and replace damaged lines.

If troubleshooting steps do not resolve the issue, contact a qualified service technician.

SPECIFICATIONS

Feature	Detail
Brand	Manitowoc
Model Name	IDT0500A
Product Dimensions (D x W x H)	34"D x 30"W x 59.5"H
Ice Production Capacity	Up to 500 lbs/Day (approximate)
Storage Bin Capacity	Up to 365 lbs
Ice Type	Dice (7/8" x 7/8" x 7/8")

Feature	Detail
Wattage	5.25 kWh
Voltage	115 Volts
Refrigerant	R134a
Material	Metal, Plastic
Cooling Type	Air Cooled

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Manitowoc customer service directly. Ensure you have your model number (IDT0500A) and serial number ready when contacting support.

You can typically find contact information on the manufacturer's official website or on the product's rating plate.