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› [Manitowoc](#) /

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Manitowoc IY0696N-261 Indigo Series Remote Cooled Half-Dice Ice Machine User Manual

Model: IY0696N-261

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Manitowoc IY0696N-261 Indigo Series Remote Cooled Half-Dice Ice Machine. Please read this manual thoroughly before installation and operation to ensure proper use and to prevent potential hazards.

The Manitowoc IY0696N-261 is a high-capacity commercial ice machine designed to produce half-dice ice. It features remote refrigeration, an illuminated blue display for operational status, and components designed for easy cleaning and maintenance.



Image showing the exterior of the Manitowoc IY0696N-261 Indigo Series Ice Machine, a remote-cooled unit designed for commercial use.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of fire, electric shock, serious injury, or death.

- **Electrical Safety:** Ensure the unit is properly grounded. Do not operate with damaged power cords. Disconnect power before servicing.
- **Installation:** Installation must be performed by qualified personnel in accordance with all local and national electrical and plumbing codes.
- **Refrigerant:** This unit uses R134a refrigerant. Servicing of the refrigeration system must be performed by certified technicians.
- **Moving Parts:** Keep hands and objects clear of internal moving parts during operation.
- **Cleaning:** Use only recommended cleaning agents and follow cleaning procedures carefully.
- **Ventilation:** Ensure adequate ventilation around the remote condenser unit as specified in the installation guide.

3. SETUP AND INSTALLATION

The Manitowoc IY0696N-261 is a remote-cooled ice machine. Professional installation is required due to the remote refrigeration system and specific electrical and plumbing requirements.

3.1 Site Requirements

- **Location:** Install the ice machine head in a clean, well-ventilated area, away from heat sources. The remote condenser unit should be installed outdoors or in a separate, well-ventilated space.
- **Electrical:** Requires a dedicated 208V-230V/60Hz/1 electrical supply. Consult a qualified electrician for proper wiring.
- **Water Supply:** A potable water supply with adequate pressure and a drain connection are necessary.
- **Clearances:** Maintain specified clearances around the unit for proper airflow and service access.

3.2 Initial Startup

1. After professional installation, ensure all water and electrical connections are secure and leak-free.
2. Open the water supply valve to the ice machine.
3. Turn on the electrical power to the unit.
4. The machine will initiate a self-diagnostic cycle. Monitor the illuminated blue display for status updates.
5. Allow the machine to complete several ice-making cycles to purge air from the system and stabilize operation. Discard the first few batches of ice.

4. OPERATING INSTRUCTIONS

The Manitowoc IY0696N-261 is designed for automated ice production. Once properly installed and powered, it will produce ice continuously until the ice bin is full or the unit is turned off.

- **Power On/Off:** Use the main power switch to turn the unit on or off.
- **Display:** The illuminated blue display provides real-time operational status, cleaning reminders, and diagnostic feedback. Refer to the detailed operational guide for specific display codes and messages.
- **Ice Production:** The machine automatically senses the ice level in the bin and will stop production when full, resuming when ice is removed.
- **Ice Type:** This model produces half-dice ice.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your ice machine. The Indigo Series provides 24-hour preventive maintenance and diagnostic feedback to assist with upkeep.

5.1 Daily Checks

- Visually inspect the ice for clarity and consistency.
- Ensure the ice bin door closes properly.

5.2 Regular Cleaning

The unit features a stainless steel finish with an innovative fingerprint and dirt resistant clear coating. For internal

cleaning:

- The front door is hinged for easy access to internal components.
- Distribution tube, curtain, and sensing probes are removable for quick and efficient cleaning.
- Follow the cleaning cycle instructions provided on the illuminated display or in the detailed service manual.
- Use only Manitowoc-approved cleaning and sanitizing solutions.

5.3 Remote Condenser Maintenance

Periodically inspect and clean the remote condenser coils to ensure optimal heat exchange. Refer to the remote condenser manual for specific cleaning procedures.

6. TROUBLESHOOTING

The Indigo Series provides diagnostic feedback via its blue illuminated display. Consult the display for error codes and follow the recommended actions. Below are general troubleshooting tips for common issues.

Problem	Possible Cause	Solution
No ice production	No power, water supply off, clogged water filter, high ambient temperature, refrigeration issue.	Check power supply, ensure water valve is open, replace water filter, ensure proper ventilation for remote condenser, contact service technician.
Low ice production	Dirty condenser coils, low water pressure, high water temperature, scale buildup.	Clean condenser coils, check water pressure, ensure water temperature is within specifications, perform descaling.
Unusual noise	Loose components, motor issue, fan obstruction.	Inspect for loose parts, clear any obstructions, contact service technician if noise persists.
Ice is soft or slushy	High water temperature, high ambient temperature, refrigeration issue.	Check water and ambient temperatures, ensure proper ventilation, contact service technician.

For persistent issues or error codes displayed, refer to the comprehensive service manual or contact a qualified Manitowoc service technician.

7. SPECIFICATIONS

Specification	Value
Brand	Manitowoc
Model Number	IY0696N-261
Daily Ice Production (70/50°F)	635 lbs (288 kg)
Daily Ice Production (90/70°F)	555 lbs (252 kg)
Voltage	208V-230V / 60Hz / 1 Phase
Refrigerant	R134a
Item Weight	190 Pounds (86.18 kg)

Specification	Value
Ice Type	Half-Dice
Corrosion Resistance	Superior, with fingerprint/dirt resistant clear coating

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Manitowoc website. Keep your purchase receipt as proof of purchase.

For technical support, service, or to order replacement parts, please contact your authorized Manitowoc dealer or service provider. Ensure you have your model number (IY0696N-261) and serial number ready when contacting support.