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› [Hoshizaki AM-50BAJ-AD 14 7/8" ADA Air-Cooled Undercounter Top Hat Cube Ice Machine Maker, 55 lbs/Day, Stainless Steel, 115v, NSF](#)

## Hoshizaki AM-50BAJ-AD

# Hoshizaki AM-50BAJ-AD Ice Machine User Manual

Model: AM-50BAJ-AD

Brand: Hoshizaki

## 1. INTRODUCTION AND OVERVIEW

The Hoshizaki AM-50BAJ-AD is an air-cooled, self-contained undercounter ice machine designed for commercial and residential use. It produces clear, top hat style ice cubes and features a durable stainless steel exterior. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your ice machine.



Figure 1.1: Front view of the Hoshizaki AM-50BAJ-AD Ice Machine.

### Key Features:

- Produces up to 51 lbs of ice per 24 hours.
- Built-in storage capacity of up to 22 lbs.
- Generates unique Top Hat style clear ice cubes.
- UL approved for outdoor installation.
- Operates on single phase 115V/60Hz power with a 6 ft cord and NEMA 5-15 plug.
- ADA Compliant design.

## 2. SAFETY INFORMATION

Read all instructions thoroughly before operating the appliance. Failure to follow these instructions may result in property damage, personal injury, or death.

### Important Safety Precautions:

- **Electrical Safety:** Ensure the unit is connected to a properly grounded 115V/60Hz electrical outlet. Do not use extension cords. Disconnect power before any service or maintenance.
- **Water Connection:** Connect the unit to a potable water supply with appropriate pressure. Ensure all water connections are secure to prevent leaks.
- **Ventilation:** This is an air-cooled unit. Ensure adequate airflow around the machine, especially at the front grille, to prevent overheating. Do not block vents.
- **Placement:** Install the unit on a level, stable surface capable of supporting its weight when full of ice.
- **Children:** Keep children away from the appliance. Do not allow them to play with or operate the ice machine.
- **Proposition 65 Warning:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### 3. SETUP AND INSTALLATION

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The Hoshizaki AM-50BAJ-AD is designed for undercounter installation. Proper setup is crucial for optimal performance and longevity.

#### Installation Steps:

1. **Unpacking:** Carefully remove the ice machine from its packaging. Inspect for any shipping damage.
2. **Location:** Choose a location that allows for proper ventilation (front air intake/exhaust), access to a potable water supply, and a drain. Ensure the ambient temperature is within the recommended operating range.
3. **Leveling:** Use the adjustable leveling legs to ensure the unit is perfectly level. This is critical for proper ice production and drainage.
4. **Water Connection:** Connect the ice machine to a cold water supply line using appropriate plumbing fittings. An inline water filter is highly recommended to improve ice quality and reduce mineral buildup.
5. **Drainage:** Connect the drain line from the ice machine to an open, gravity-fed drain. Ensure there is a proper air gap to prevent backflow.
6. **Electrical Connection:** Plug the 6 ft power cord into a dedicated 115V/60Hz, 1-phase, 3.8 amp grounded electrical outlet (NEMA 5-15 plug).
7. **Door Reversal (Optional):** The door hinge can be reversed to open from either the left or right side, depending on your installation needs. Refer to the detailed instructions in the full installation guide for this procedure.



Figure 3.1: Example of undercounter installation.

## 4. OPERATING INSTRUCTIONS

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Once properly installed and connected, operating your Hoshizaki ice machine is straightforward.

### Initial Startup:

1. Ensure the water supply valve is open.
2. Plug in the unit or turn on the dedicated circuit breaker.
3. The machine will begin its ice-making cycle automatically. The first few batches of ice may be smaller or irregular; this is normal as the system stabilizes.

### Ice Production:

The AM-50BAJ-AD produces clear, Top Hat style ice cubes. It can produce up to 51 pounds of ice per 24 hours under optimal conditions. The internal bin has a storage capacity of 22 pounds.



Figure 4.1: Close-up of Top Hat style ice cubes.

#### **Accessing Ice:**

To access the ice, simply pull the full-length stainless steel handle to open the door. The ice bin is located inside. Use the provided ice scoop to retrieve ice. Close the door firmly after use to maintain ice quality and temperature.



Figure 4.2: Top Hat ice cubes in a glass.

## 5. MAINTENANCE

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Regular maintenance ensures your Hoshizaki ice machine operates efficiently and produces high-quality ice.

### **Cleaning the Exterior:**

Wipe down the stainless steel exterior with a soft cloth and a mild, non-abrasive cleaner. For stubborn marks, a stainless steel cleaner can be used. Always wipe in the direction of the grain.

### **Cleaning the Interior and Ice Bin:**

Periodically clean the ice bin and internal components. Turn off the unit and disconnect power before cleaning. Remove all ice. Use a solution of mild soap and warm water to wipe down surfaces. Rinse thoroughly with clean water and allow to air dry before restarting the machine.

**Descaling and Sanitizing:**

Depending on water hardness, the ice machine may require periodic descaling to remove mineral buildup and sanitizing to prevent mold and bacteria growth. Refer to the full product manual for detailed instructions on descaling and sanitizing procedures, including recommended cleaning solutions.

**Air Filter Cleaning:**

The air-cooled condenser has an air filter that should be cleaned regularly (monthly or more often in dusty environments) to ensure proper airflow and prevent reduced ice production. Locate the air filter (typically behind the front grille), remove it, wash with warm, soapy water, rinse, dry completely, and reinsert.

**6. TROUBLESHOOTING**

This section provides solutions to common issues you might encounter with your ice machine. For more complex problems, contact qualified service personnel.

Problem	Possible Cause	Solution
No ice production	No power; Water supply off; Clogged water filter; Ice bin full sensor issue.	Check power connection and circuit breaker. Ensure water supply valve is open. Replace or clean water filter. Check ice bin sensor for obstructions.
Low ice production	Poor ventilation; Dirty air filter; High ambient temperature; Mineral buildup.	Ensure adequate airflow around the unit. Clean the air filter. Verify operating environment temperature. Perform descaling.
Unusual noise	Loose components; Fan obstruction; Compressor issue.	Check for loose parts. Ensure nothing is obstructing the fan. If noise persists, contact service.
Ice is cloudy or soft	Poor water quality; Mineral buildup; Incorrect water temperature.	Install a water filter or replace existing one. Perform descaling. Ensure water supply temperature is within recommended range.

**7. SPECIFICATIONS**

Detailed technical specifications for the Hoshizaki AM-50BAJ-AD Ice Machine.

Specification	Value
Model Number	AM-50BAJ-AD
Brand	Hoshizaki
Product Dimensions (D x W x H)	22.63"D x 14.88"W x 31.5"H
Weight	120.8 Pounds
Ice Production Capacity (per 24 hours)	Up to 55 lbs (70°/50°), 34 lbs (AHRI certified at 90°/70°)
Ice Storage Capacity	22 Pounds

Specification	Value
Ice Type	Top Hat Cube
Cooling Type	Air-Cooled
Electrical Requirements	115V/60Hz/1-ph, 3.8 Amps
Wattage	16.8 kWh
Certifications	NSF, UL, ADA Compliant



Figure 7.1: Product dimensions for installation planning.



## 8. WARRANTY AND SUPPORT

Specific warranty details are not provided in the available product data. Please refer to the warranty card included with your ice machine or visit the official Hoshizaki website for comprehensive warranty information.

### Customer Support:

For technical assistance, service requests, or parts inquiries, please contact Hoshizaki customer support. Contact information can typically be found on the manufacturer's website or in the documentation provided with your appliance. You may also find helpful resources and FAQs on the Hoshizaki website.



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This manual is for informational purposes only. Specifications are subject to change without notice.

### Related Documents - AM-50BAJ-AD

	<p><a href="#">Hoshizaki F-622MAK-C Modular Cubelet Ice Machine: Specifications and Features</a></p> <p>Explore the Hoshizaki F-622MAK-C modular cubelet ice machine and slim-line dispenser. This overview details its features, ice production capacity, electrical and water usage specifications, dimensions, operating limits, and warranty information.</p>
	<p><a href="#">HOSHIZAKI F-422MAK(-C) Modular Ice Machine - Slim-Line Series Specifications</a></p> <p>Detailed specifications, features, and dimensional data for the HOSHIZAKI F-422MAK(-C) modular slim-line ice machine. Includes ice production rates, water usage, electrical requirements, operating limits, and connection details.</p>
	<p><a href="#">Hoshizaki UF48B-D2 Undercounter Freezer: 48-Inch, One Door, Two Drawers - Spec Sheet</a></p> <p>Detailed specifications and features for the Hoshizaki UF48B-D2, a 48-inch two-section undercounter freezer with one door and two drawers. Includes dimensions, electrical, refrigeration, construction, and options.</p>
	<p><a href="#">HOSHIZAKI AM-50BAE/AM-50BAE-AD Self-Contained Cuber Service Manual</a></p> <p>Comprehensive service manual for HOSHIZAKI AM-50BAE and AM-50BAE-AD self-contained ice cubers, covering installation, operation, maintenance, troubleshooting, and component replacement for qualified technicians.</p>



HOSHIZAKI  
CUBE ICE MAKER  
MODEL IM-30CA  
IM-45CA  
IM-65A  
IM-100A  
IM-130A  
IM-220AA  
SERVICE MANUAL

### [Hoshizaki Cube Ice Maker Service Manual - Models IM-30CA to IM-220AA](#)

Official service manual for Hoshizaki Cube Ice Makers, covering models IM-30CA, IM-45CA, IM-65A, IM-100A, IM-130A, and IM-220AA. Features detailed specifications, maintenance, troubleshooting, and repair information.



### [Hoshizaki DCM-700BAK Sanitary Cubelet Ice Machine/Dispenser Specifications](#)

Comprehensive technical specifications for the Hoshizaki DCM-700BAK air-cooled sanitary cubelet ice machine and dispenser. Details include ice production rates, water usage, electrical requirements, dimensions, operating limits, plumbing, and warranty information.