

## Hoshizaki SRK-12J3

# Hoshizaki SRK-12J3 Remote Condenser Instruction Manual

Model: SRK-12J3

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Hoshizaki SRK-12J3 Remote Condenser. Please read this manual thoroughly before attempting any installation or service to ensure safe and efficient use of the unit. Retain this manual for future reference. The Hoshizaki SRK-12J3 is designed to provide quiet and energy-efficient operation for compatible ice makers, reducing excess heat in commercial kitchen environments. This remote condenser allows for flexible installation away from the ice maker unit.

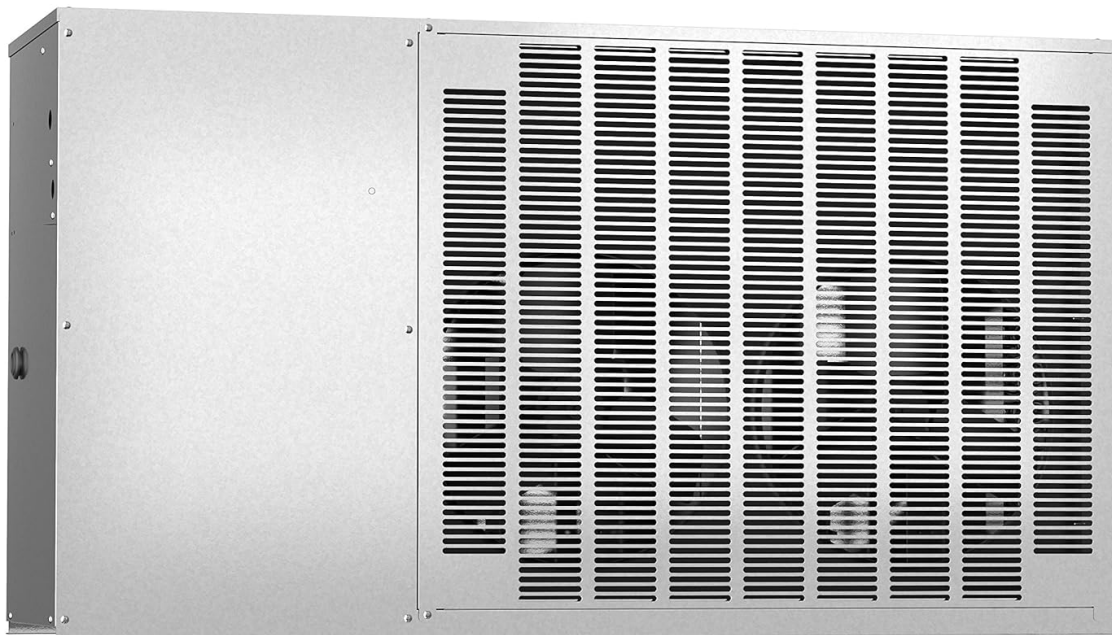
## 2. SAFETY INFORMATION

### WARNING:

- Installation and service must be performed by qualified, certified technicians. Improper installation or maintenance can lead to equipment damage, injury, or death.
- Always disconnect power to the unit before performing any maintenance or service.
- This unit contains R-404a refrigerant. Handling of refrigerants should only be done by certified personnel.
- Ensure all electrical connections comply with local and national electrical codes.

## 3. PRODUCT OVERVIEW

The Hoshizaki SRK-12J3 Remote Condenser is an integral component for specific Hoshizaki ice makers, designed to dissipate heat generated during the ice production process. Its remote design allows for installation in a location separate from the ice maker, contributing to a cooler and quieter operational environment within the primary workspace.



**Figure 1:** Hoshizaki SRK-12J3 Remote Condenser. This image displays the exterior of the remote condenser unit, characterized by its robust silver-grey metal casing and a prominent louvered panel on the front, designed for efficient airflow and heat exchange.

## 4. SETUP AND INSTALLATION

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The SRK-12J3 Remote Condenser is intended for installation away from the ice maker. Proper installation is crucial for optimal performance and longevity.

### 4.1 Site Preparation

- Ensure the installation location provides adequate ventilation and clearance for airflow.
- The surface must be level and capable of supporting the unit's weight.
- Consider the distance from the compatible ice maker (KMS-1122MLJ-3).

### 4.2 Refrigerant Line Installation

- Brazing and refrigerant charging are required for installation. This must be performed by a certified refrigeration technician.
- Tubing kits (25', 35', 55' lengths) are sold separately and must be selected based on the required distance between the condenser and the ice maker.
- For installations exceeding the standard tubing kit distances, contact Hoshizaki Technical Support for guidance.
- The unit uses R-404a refrigerant, with a charge of 15 lbs. 14 oz. (7200 g).

### 4.3 Electrical Connection

- The SRK-12J3 operates on Three Phase, 230V/60Hz power.
- The unit must be hardwired at the installation site. A 4-wire connection, including ground, is required.
- If a neutral wire is not available at the installation site, a transformer kit (Hoshizaki part number HS-5030) is required.

- All electrical work must comply with local and national electrical codes and be performed by a licensed electrician.

## 5. OPERATING INSTRUCTIONS

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Once properly installed and connected to a compatible Hoshizaki ice maker, the SRK-12J3 Remote Condenser operates automatically in conjunction with the ice maker. There are no user-adjustable controls on the condenser itself. Ensure the area around the condenser remains clear of obstructions to allow for proper airflow and efficient heat dissipation.

## 6. MAINTENANCE

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Regular maintenance is essential to ensure the long-term performance and efficiency of your Hoshizaki SRK-12J3 Remote Condenser. All maintenance procedures should be performed by qualified service personnel.

### 6.1 Routine Checks

- **Condenser Coil Cleaning:** Periodically inspect and clean the condenser coils to remove dust, dirt, and debris. Blocked coils reduce efficiency and can lead to increased energy consumption and potential unit damage.
- **Fan Operation:** Verify that the condenser fan is operating smoothly and quietly. Any unusual noises or vibrations should be investigated.
- **Refrigerant Leaks:** Regularly check for any signs of refrigerant leaks around connections.
- **Electrical Connections:** Ensure all electrical connections remain secure and free from corrosion.

Refer to the specific maintenance schedule provided in the ice maker's instruction manual for integrated system maintenance.

## 7. TROUBLESHOOTING

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If the remote condenser or the connected ice maker is not functioning correctly, perform the following basic checks before contacting service personnel. For complex issues, always consult a qualified refrigeration technician.

- **No Power:** Check the circuit breaker and ensure the unit is properly hardwired.
- **Reduced Performance:** Verify that the condenser coils are clean and free of obstructions. Ensure adequate airflow around the unit.
- **Unusual Noises:** Investigate the source of any abnormal sounds. This may indicate a fan issue or other mechanical problem.

Do not attempt to repair the unit yourself. Contact Hoshizaki Technical Support or a certified service provider.

## 8. SPECIFICATIONS

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Model	SRK-12J3
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<b>Brand</b>	Hoshizaki
<b>Product Dimensions (D x W x H)</b>	19.5" x 52.38" x 43"
<b>Electrical Requirements</b>	230V, 60Hz, 3 Phase
<b>Wattage</b>	2.2 watts
<b>Refrigerant Type</b>	R-404a
<b>Refrigerant Charge</b>	15 lbs. 14 oz. (7200 g)
<b>Compatible Icemaker</b>	KMS-1122MLJ-3 (sold separately)
<b>Certifications</b>	UL Listed

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

The Hoshizaki SRK-12J3 Remote Condenser comes with the following warranty:



- **Three (3) Years:** Parts and Labor warranty on the entire unit.
- **Five (5) Years:** Parts warranty on the air-cooled condenser coil.











Warranty coverage is subject to the terms and conditions outlined in the official Hoshizaki warranty statement. Please retain your proof of purchase for warranty claims.

### 9.2 Technical Support

For technical assistance, service inquiries, or to locate an authorized service provider, please contact Hoshizaki Technical Support. Do not attempt to perform repairs or modifications not explicitly described in this manual, as this may void your warranty and pose safety risks.

## Related Documents - SRK-12J3

 <b>HOSHIZAKI</b> Instruction Manual Modular Crescent Cuber Serenity Series Models KMS-822MLJ Including Condensing Unit Models SRK-10J  hoshizaki.com	<a href="#">Hoshizaki KMS-822MLJ Modular Crescent Cuber Serenity Series Instruction Manual</a> Comprehensive instruction manual for the Hoshizaki KMS-822MLJ Modular Crescent Cuber (Serenity Series) and SRK-10J Remote Condensing Unit, covering installation, operation, maintenance, and safety.
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<div><p>AM SERVICE TRAINING Featuring the IM-500SAA</p></div> <div><p>0007 0011</p></div>	<div><a href="#">Hoshizaki IM-500SAA Ice Machine Service Training Manual</a></div> <div>Comprehensive service training manual for the Hoshizaki IM-500SAA ice machine, covering operation, maintenance, troubleshooting, performance data, and electrical specifications.</div>																																																																																																				
<div><p><b>HOSHIZAKI</b></p><p>Service Manual</p><p>Self-Contained Cuber Models IM-200BAK</p><p> hoshizakiamerica.com Number 7002 Revised 12-2015 Revised 12-2015</p></div>	<div><a href="#">Hoshizaki IM-200BAK Self-Contained Cuber Service Manual</a></div> <div>Comprehensive service manual for the Hoshizaki IM-200BAK Self-Contained Cuber. This guide provides detailed information on installation, operation, diagnosis, maintenance, and repair procedures for qualified service technicians, with a focus on safety for R-290 refrigerant.</div>																																																																																																				
<div><p>URC(-F)(-FZ) REMOTE CONDENSER SERIES</p><table><thead><tr><th>Model</th><th>Capacity (lb/day)</th><th>Capacity (kg/day)</th><th>Capacity (gal/day)</th><th>Capacity (L/day)</th></tr></thead><tbody><tr><td>URC-100</td><td>100</td><td>45.4</td><td>12.5</td><td>47.3</td></tr><tr><td>URC-150</td><td>150</td><td>68.1</td><td>18.8</td><td>70.6</td></tr><tr><td>URC-200</td><td>200</td><td>90.7</td><td>25.0</td><td>94.6</td></tr><tr><td>URC-250</td><td>250</td><td>113.4</td><td>31.2</td><td>118.0</td></tr><tr><td>URC-300</td><td>300</td><td>136.1</td><td>37.5</td><td>141.7</td></tr><tr><td>URC-350</td><td>350</td><td>158.8</td><td>43.8</td><td>164.9</td></tr><tr><td>URC-400</td><td>400</td><td>181.4</td><td>50.0</td><td>189.3</td></tr><tr><td>URC-450</td><td>450</td><td>204.1</td><td>56.2</td><td>212.6</td></tr><tr><td>URC-500</td><td>500</td><td>226.8</td><td>62.5</td><td>236.0</td></tr><tr><td>URC-550</td><td>550</td><td>249.5</td><td>68.8</td><td>259.3</td></tr><tr><td>URC-600</td><td>600</td><td>272.2</td><td>75.0</td><td>282.7</td></tr><tr><td>URC-650</td><td>650</td><td>294.9</td><td>81.2</td><td>306.0</td></tr><tr><td>URC-700</td><td>700</td><td>317.6</td><td>87.5</td><td>329.3</td></tr><tr><td>URC-750</td><td>750</td><td>340.3</td><td>93.8</td><td>352.6</td></tr><tr><td>URC-800</td><td>800</td><td>363.0</td><td>100.0</td><td>376.0</td></tr><tr><td>URC-850</td><td>850</td><td>385.7</td><td>106.2</td><td>399.3</td></tr><tr><td>URC-900</td><td>900</td><td>408.4</td><td>112.5</td><td>422.6</td></tr><tr><td>URC-950</td><td>950</td><td>431.1</td><td>118.8</td><td>445.9</td></tr><tr><td>URC-1000</td><td>1000</td><td>453.8</td><td>125.0</td><td>469.3</td></tr></tbody></table><p> hoshizakiamerica.com Number 7002 Revised 12-2015 Revised 12-2015</p></div>	Model	Capacity (lb/day)	Capacity (kg/day)	Capacity (gal/day)	Capacity (L/day)	URC-100	100	45.4	12.5	47.3	URC-150	150	68.1	18.8	70.6	URC-200	200	90.7	25.0	94.6	URC-250	250	113.4	31.2	118.0	URC-300	300	136.1	37.5	141.7	URC-350	350	158.8	43.8	164.9	URC-400	400	181.4	50.0	189.3	URC-450	450	204.1	56.2	212.6	URC-500	500	226.8	62.5	236.0	URC-550	550	249.5	68.8	259.3	URC-600	600	272.2	75.0	282.7	URC-650	650	294.9	81.2	306.0	URC-700	700	317.6	87.5	329.3	URC-750	750	340.3	93.8	352.6	URC-800	800	363.0	100.0	376.0	URC-850	850	385.7	106.2	399.3	URC-900	900	408.4	112.5	422.6	URC-950	950	431.1	118.8	445.9	URC-1000	1000	453.8	125.0	469.3	<div><a href="#">Hoshizaki URC Series Remote Condensers - Specifications and Installation</a></div> <div>Detailed specifications, installation guidelines, and warranty information for Hoshizaki URC(-F)(-FZ) series remote condensers, designed for use with KM Series Cubers and F Series Flakers.</div>
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<div><p><b>HOSHIZAKI</b></p><p>Parts List</p><p>Modular Flaker Models F-450MAJ(-C)</p><p> hoshizakiamerica.com Number 7002 Revised 12-2015 Revised 12-2015</p></div>	<div><a href="#">Hoshizaki F-450MAJ(-C) Modular Flaker Parts List</a></div> <div>Detailed parts list for Hoshizaki F-450MAJ and F-450MAJ-C modular flaker ice machines, including main assembly, refrigeration, icemaking, water, control box, and accessories.</div>																																																																																																				