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SELF-CONTAINED CRESCENT CUBER  
MACHINE A GLACONS CROISSANT AUTONOME  
STECKERFERTIGER CRESCENTEISBEREITER  
INGEBOUWDE MACHINE VOOR HALVEMAANVORMIGE IJSBLOKJES  
MÁQUINA AUTOCONTENIDA DE CUBITOS EN FORMA DE MEDIA LUNA  
FABBRICATORE DI GHIACCIO IN CUBETTI A FORMA DI MEZZALUNA CON RISERVA INCORPORATA

# **INSTRUCTION MANUAL NOTICE D'UTILISATION BEDIENUNGSANLEITUNG GEBRUIKSAANWIJZING MANUAL DE INSTRUCCIONES MANUALE D'ISTRUZIONI**

**KM-100A  
KM-125A**

## IMPORTANT

1. This booklet is an integral and essential part of the product and should be kept and preserved by the user. Please read carefully the guidelines and warnings contained herein as they are intended to provide the installer/user with essential information for the proper installation and the continued safe use and maintenance of the product. Please preserve this booklet for any further consultation that may be necessary.
2. This is a commercial icemaker, and should be destined only to be used for the purpose for which it has been expressly designed. Any other use should be considered improper and therefore dangerous. The manufacturer will not be held liable or responsible for any damage caused by improper, incorrect and unreasonable use.

## I. INSTALLATION INSTRUCTIONS

### WARNING

The installation must be carried out by qualified personnel, in accordance with current regulations, according to the manufacturer's instructions.

### 1. UNPACKING

#### WARNING

Children should not be allowed in reach of the packaging elements (plastic bags and expanded polystyrene) as they are potential sources of danger.

#### CAUTION

Remove shipping carton, tape(s) and packing. If packing material is left in the icemaker, it will not work properly.

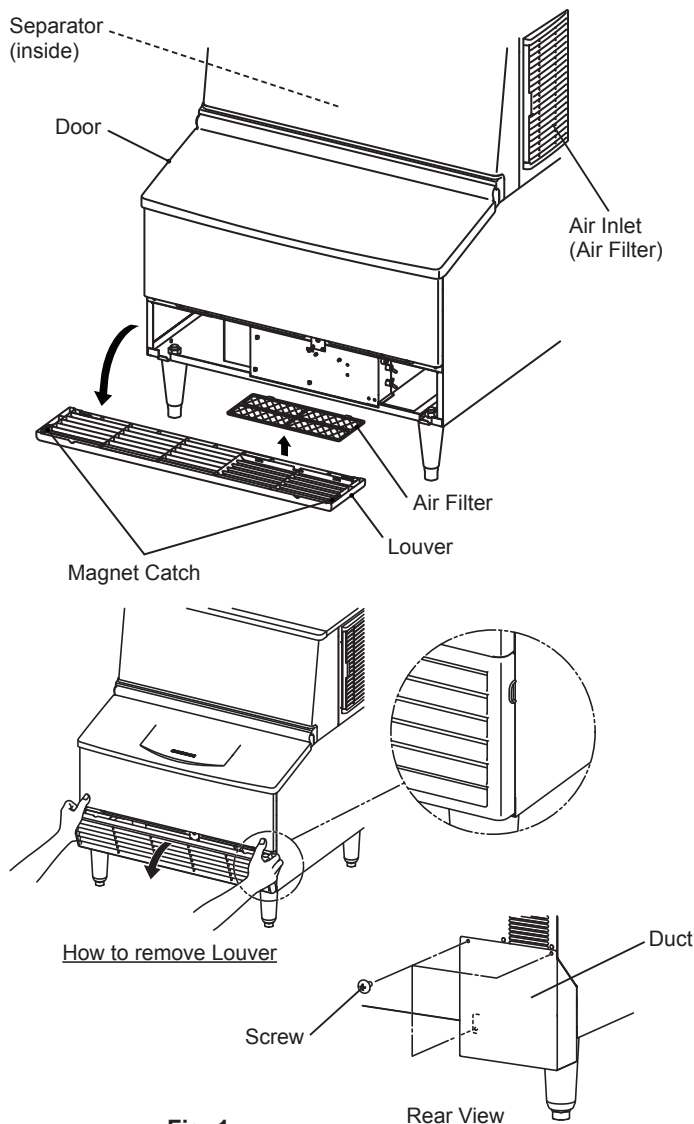


Fig. 1

- 1) After removing the packaging, make sure that the icemaker is in good condition. If in doubt, please do not use the equipment but apply to professionally qualified personnel.
- 2) Remove shipping tape holding the Door and Separator.
- 3) Remove the protective plastic film from the exterior. If the icemaker is exposed to the sun or to heat, remove the film after the icemaker cools.
- 4) Remove the package of accessories, and check the contents:
 

a) Outlet Hose	1
b) Scoop	1
c) Hose Adapter	1
d) Duct	1
e) Screw	3
f) Leg	4
- 5) Attach the Duct to the Rear Panel using the three screws provided. See Fig. 1.

## 2. LOCATION

### IMPORTANT

1. This icemaker is not intended for outdoor use. Normal operating ambient temperature should be within 7°C to 43°C. Normal operating water temperature should be within 7°C to 35°C. Operation of the icemaker, for extended periods, outside of these normal temperature ranges may affect production capacity.
2. The icemaker should not be located next to ovens, grills or other high heat producing equipment.
3. The location should provide a firm and level foundation for the equipment.
4. Allow at least 5 cm clearance at the right side for proper air circulation and at least 15 mm clearance at top for ease of maintenance and/or service should they be required.
5. This appliance is not suitable for installation in an area where a water jet could be used and where dripping is not allowed.
6. Do not place anything on top, front and right side of the icemaker. Especially, do not block the air inlet at the right side.
7. This icemaker will not work at subfreezing temperatures. To prevent damage to the water supply line, drain the icemaker when air temperature is below zero (see "II. 2. PREPARING THE ICEMAKER FOR LONG STORAGE").

## 3. INSTALLATION

- \* Incorrect installation can cause harm to people, animals or things, for which the manufacturer cannot be held responsible.
- \* Place the icemaker in the selected permanent site.
- \* The appliance must be positioned so that the plug is accessible.

## 4. ELECTRICAL CONNECTIONS

### WARNING

#### THIS APPLIANCE MUST BE EARTHED

This icemaker requires an earth that meets the national and local electrical code requirements. To prevent possible severe electrical shock to individuals or extensive damage to equipment, install a proper earth wire to the icemaker. Remove the plug from the mains socket before any maintenance, repairs or cleaning is undertaken.

- \* This icemaker must have a separate power supply or receptacle of 220 - 240V.

# ENGLISH


- \* The main control box fuse is rated at 5AL 250V and should only be replaced by a qualified service engineer.
- \* Usually an electrical permit and services of a licensed electrician are required.
- \* If the supply cord and the plug should need to be replaced, it should only be done by a qualified service engineer.

## For the U.K. and the Republic of Ireland only

- \* The wires in the mains lead are coloured in accordance with the following code:

Green & Yellow = Earth  
Blue = Neutral  
Brown = Live

As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Green-and-Yellow must be connected to the terminal in the plug which is marked with the letter E or by the symbol  or coloured Green or Green-and-Yellow. The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black. The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Red.

- \* Should the socket outlets in the installation site not be suitable for the plug supplied with your product, the plug must be removed (cut off if it is moulded on plug) and an appropriate plug fitted.

If the non-rewirable plug has been cut from the power supply cord, it must be disposed of. There should be no attempt to reuse it. Inserting such a plug into a socket elsewhere presents a serious risk of electrical shock.

- \* The non-rewirable plug must never be used without a fuse cover being fitted.

The correct replacement for the detachable fuse cover is identifiable from the manufacturer's reference number stamped on the plug.

Supply of replacement fuse covers can be obtained from Hoshizaki Parts/Service Centres.

Fuses should be rated at 10A and approved to BS 1362.

## 5. WATER SUPPLY AND DRAIN CONNECTIONS

(For the U.K. only, the connections must be in accordance with current requirements of the Model Water Byelaws 1986 SI No. 1147)

- \* Only potable water should be used for this icemaker.
- \* Water supply pressure should be minimum 0.7 bar and maximum 8 bar. If the pressure exceeds 8 bar, use a pressure reducing valve. Do NOT throttle back the supply tap.
- \* Be sure to make connections with the new inlet and outlet hoses provided, not with old used hoses.
- \* A plumbing permit and services of a licensed plumber may be required in some areas.
- \* Water should drain into an open trap.
- \* The icemaker drain is gravity flow, so ensure drain pipe has an adequate pitch or fall.
- \* To prevent a backflow into the Storage Bin, the outlet hose must be laid as shown in Fig. 2.

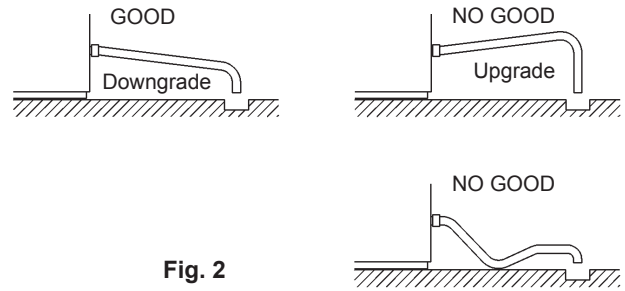


Fig. 2

- 1) Attach the free end of inlet hose to the stop valve (Fig. 4), noting washer is correctly positioned. Hand tighten sufficiently to provide leak free joint. It is a wise precaution to have the stop valve within easy reach.
- 2) Wrap P.T.F.E. tape around the hose adapter fitting, and screw the hose adapter into the drain outlet of the icemaker. Hand tighten grey flexible outlet hose (accessory) onto the hose adapter as indicated (Fig. 3). The pipe can be cut to length as necessary to suit position of main drain. To prevent water leaks, secure the outlet hose to the drain outlet by using a hose band.

Note: Jointing compounds should be approved and suitable for potable water use.

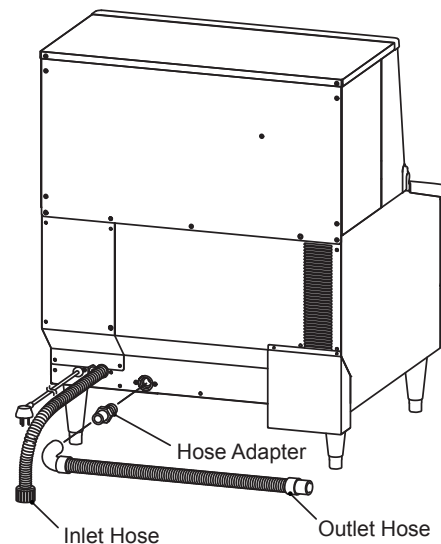


Fig. 3

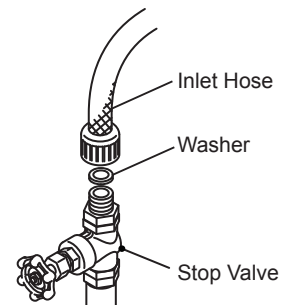


Fig. 4

## II. OPERATING INSTRUCTIONS

### WARNING

1. This icemaker is designed to produce and store edible ice. To keep the icemaker hygienic:
  - \* Wash your hands before removing ice. Use the Plastic Scoop provided (accessory).
  - \* The Storage Bin is for ice use only. Do not store anything else in the Bin.
  - \* Clean the Storage Bin before use (see "III. 1. CLEANING").
  - \* Keep the Scoop clean. Clean it by using a neutral cleaner and rinse thoroughly.
  - \* Close the Door after removing ice to prevent entrance of dirt, dust or insects into the Storage Bin.
2. The use of any electrical equipment involves the observance of some fundamental rules. In particular:
  - \* Instances of high humidity and moisture increase the risk of electrical short circuits and potential electrical shocks. If in doubt, disconnect the icemaker.
  - \* Do not pull the power cord in order to disconnect the icemaker from the feed network.
  - \* This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
  - \* Young children should be supervised to ensure that they do not play with the appliance.
3. All parts are factory-adjusted. Improper adjustments may result in failure.
4. If the unit is turned off, wait for at least 3 minutes before restarting the icemaker to prevent damage to the Compressor.

## 1. OPERATION

The installer will normally commission the icemaker to start the automatic icemaking process. To ensure continuous operation, make sure that:

- \* The water supply tap is on,
- \* The icemaker is plugged into the power supply, and
- \* The Control Switch is in the "ICE" position (remove the Louver to check).

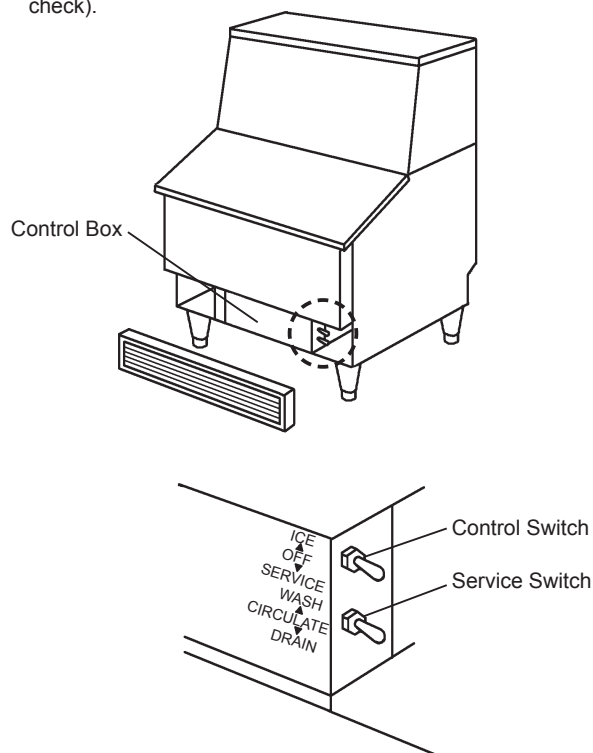


Fig. 5

## 2. PREPARING THE ICEMAKER FOR LONG STORAGE

### IMPORTANT

When shutting off the icemaker for an extended time, drain out all water from the water lines and remove the ice from the Storage Bin. The Storage Bin should be cleaned and dried. Drain the icemaker using air or carbon dioxide to prevent damage to the water supply lines at sub-freezing temperatures. Shut off the icemaker until the proper ambient temperature is resumed.

When the icemaker is not used for two or three days, it is sufficient to only move the Control Switch to the "OFF" position, unless the icemaker will be at sub-freezing temperatures.

### [1] Remove the water from the potable water supply line:

- 1) Remove the Louver if it has not already been removed.
- 2) Move the Control Switch on the Control Box to the "OFF" position. See Fig. 5.
- 3) Wait 3 minutes.
- 4) Close the potable water supply line Stop Valve. See Fig. 4.
- 5) Remove the Inlet Hose.

### [2] Drain the potable Water Tank:

- 1) Move the Control Switch to the "SERVICE" position and the Service Switch to the "DRAIN" position.
- 2) After 2 minutes, move the Control Switch to the "OFF" position.
- 3) Open the Door. Remove all ice from the Storage Bin and clean the Storage Bin.
- 4) Close the Door.
- 5) Replace the Louver in its correct position.
- 6) Turn off the power supply at the breaker box.

## III. MAINTENANCE

### 1. CLEANING

#### WARNING

1. Before carrying out any cleaning or maintenance operations, unplug the icemaker from the electrical supply network (except "[5] Icemaking Water System").
2. Ask a trained service person to check and clean the Condenser at least once a year.
3. This appliance must not be cleaned by use of a water jet.
4. Do not use any alcohol for cleaning/sanitisation of the icemaker. It may cause cracks on the plastic parts.
5. To prevent injury to individuals and damage to the icemaker, do not use ammonia type cleaners.
6. Always wear liquid-proof gloves to prevent the cleaning and sanitising solutions from coming into contact with skin.
7. For safety and maximum effectiveness, use cleaning and sanitising solutions immediately after dilution.

### [1] Exterior

Wipe the exterior at least once per week with a clean, soft cloth. Use a damp cloth containing a neutral cleaner to wipe off grease or dirt.

## [2] Scoop and Bin Door Grip Cleaning/Sanitisation (Daily)

- 1) Either mix 3 litres of water with 11 ml of 5.25% sodium hypochlorite solution in a suitable container, or the recommended Hoshizaki sanitiser as directed.
- 2) Soak the Scoop in the solution for more than 3 minutes. Rinse thoroughly, and shake to remove surplus liquid.

Note: Using a cloth to dry may re-contaminate.

- 3) Use a neutral cleaner to wash the Bin Door Grip. Rinse thoroughly.
- 4) Soak a clean cloth with the sanitising solution, and wipe the Grip. Use fresh water and a clean cloth to rinse/dry.

## [3] Storage Bin Interior Cleaning/Sanitisation (Weekly)

- 1) Open the Storage Bin Door, and remove all ice.
- 2) Wash the Bin liner with a neutral non-abrasive cleaner. Rinse thoroughly.
- 3) Soak a clean cloth with the neutral cleaner, and wipe the Door inner surface. Wipe off the cleaner with a clean damp cloth.
- 4) Either mix 3 litres of water with 11 ml of 5.25% sodium hypochlorite solution in a suitable container or the recommended Hoshizaki sanitiser as directed.
- 5) Soak a clean sponge or cloth with the solution, and wipe the Bin liner and Bin Door.
- 6) Rinse thoroughly with fresh water and a clean cloth to wipe off the solution. Close the Bin Door.

Note: Some solutions may cause damage to the Bin liner surfaces or corrosion on the metal parts. Always rinse the sanitiser unless directed otherwise by Hoshizaki guidelines.

## [4] Air Filter

A plastic mesh Air Filter removes dirt or dust from the air, and keeps the Condenser from getting clogged. As the Filter gets clogged, the icemaker's performance will be reduced.

Remove and clean the Air Filter at least twice per month:

- 1) Tilt the Louver forward, and remove the Air Filter.
- 2) Clean the Air Filter by using a vacuum cleaner. When severely clogged, use warm water and a neutral cleaner to wash the Air Filter.
- 3) Rinse and dry the Air Filter thoroughly, and place it in position.

## [5] Icemaking Water System

To keep the icemaker hygienic, periodic cleaning of the icemaking water system is recommended.

### Cleaning Procedure

- 1) Dilute 148 ml of the recommended Hoshizaki cleaner with 3.8 litres of water.
- 2) Remove the Louver. Open the Door and remove all ice from the Evaporator and the Storage Bin.

Note: To remove cubes on the Evaporator, move the Control Switch on the Control Box to the "OFF" position and move it back to the "ICE" position after 3 minutes. The defrost cycle starts and the cubes will be removed from the Evaporator.

- 3) Move the Control Switch to the "OFF" position.

- 4) Move the Control Switch to the "SERVICE" position and the Service Switch to the "DRAIN" position.
- 5) After 2 minutes, move the Control Switch to the "OFF" position.
- 6) Pour the cleaning solution into the Water Tank. Move the Control Switch to the "SERVICE" position and the Service Switch to the "WASH" position. Close the Door.
- 7) After 30 minutes, move the Control Switch to the "OFF" position.
- 8) Same as step 4.
- 9) Move the Control Switch to the "ICE" position to fill the Water Tank with water.
- 10) After 3 minutes, move the Control Switch to the "SERVICE" position and the Service Switch to the "WASH" position.
- 11) After 5 minutes, move the Control Switch to the "OFF" position.
- 12) Same as step 4.
- 13) Repeat steps 9 through 12 three more times to rinse thoroughly.
- 14) Disconnect the Overflow Pipe. Next, remove the Water Tank by removing the two Thumbscrews and pulling the tank towards you slightly and pushing it down. Be careful to avoid breakage when handling the parts. See Fig. 6.

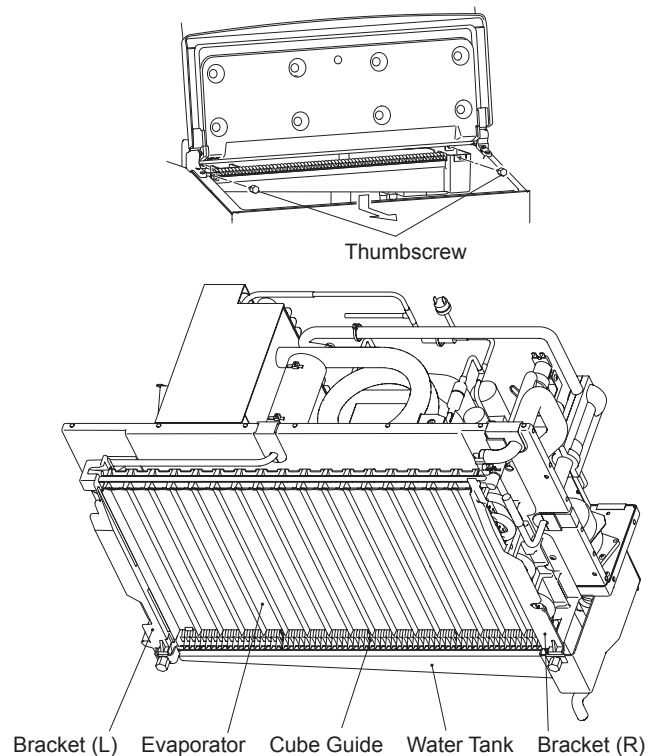
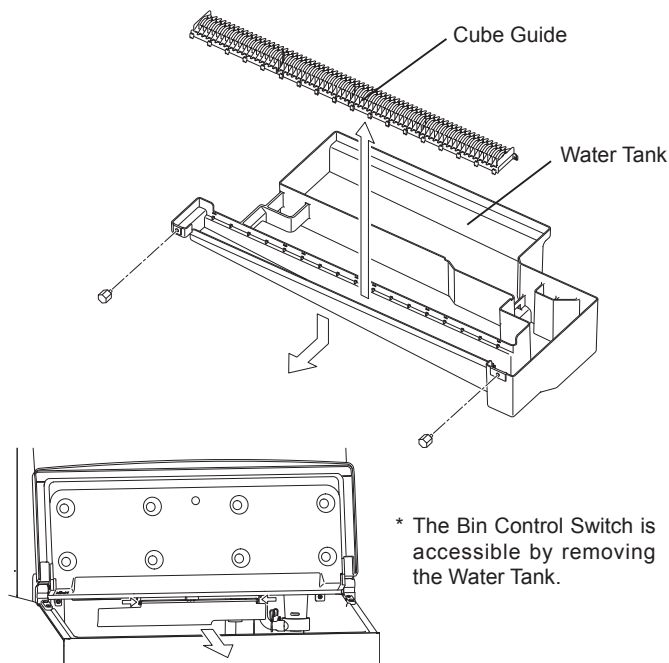


Fig. 6

- 15) Pull the Cube Guides (quantity varies depending on model) upward to remove them from the Water Tank. They are snapped in place. See Fig. 7.
- 16) Same as step 1.
- 17) Wash the Bin Control Switch, Water Tank, Float Switch, Cube Guide and Overflow Pipe by using a nylon scouring pad, brushes and the cleaning solution. In addition to the removed parts, also wash the bin liner and Bracket (L) (R) with the solution.
- 18) Discard the cleaning solution and rinse the parts thoroughly with water.



**Fig. 7**

## Sanitising Procedure - Following Cleaning Procedure

- 1) Dilute approximately 15 ml or 1 tbs of a 5.25% sodium hypochlorite solution (chlorine bleach) with 3.8 litres of warm water. Using a chlorine test strip or other method, confirm that you have a concentration of about 200 ppm.
- 2) Soak the removed parts from step 17 above in a clean container containing the sanitising solution. After allowing the parts to soak for 10 minutes, wash them with the solution. Also wash the bin liner, Bracket (L) (R) with the solution.
- 3) Discard the sanitising solution and rinse the parts thoroughly with water.
- 4) Replace the removed parts in their correct positions in the reverse order of which they were removed.
- 5) Same as step 1.
- 6) Pour the sanitising solution into the Water Tank, and allow the sanitiser to sit for 10 minutes.
- 7) Move the Control Switch to the "SERVICE" position and the Service Switch to the "WASH" position.
- 8) After 15 minutes, move the Control Switch to the "OFF" position.
- 9) Move the Control Switch to the "SERVICE" position and the Service Switch to the "DRAIN" position.
- 10) After 2 minutes, move the Control Switch to the "OFF" position.
- 11) Repeat steps 5 through 10 one time. Repeat steps 9 through 12 in the Cleaning Procedure three times to rinse thoroughly.
- 12) Flush the Storage Bin with water.
- 13) Move the Control Switch to the "ICE" position, and start the automatic icemaking process.
- 14) Close the Door. Replace the Louver in its correct position.

## 2. BEFORE CALLING A SERVICE AGENT

If the icemaker does not work properly or does not work at all, before calling for service, check that:

- \* The power is supplied to the unit.
- \* The Control Switch is in the "ICE" position.
- \* The water is turned on.
- \* The Air Filter is clean.

For further assistance or advice, contact your local Hoshizaki service agent.

## 3. WARRANTY

Hoshizaki provides warranty in accordance with the legislation of the customer's own country of residence, for two years starting from the date on which the appliance is sold to the end user.

The warranty only covers defects in material or workmanship.

The repairs under warranty may only be carried out by Hoshizaki's authorised service centre. When making a claim under the warranty, the original bill of purchase (with purchase date) must be submitted.

The warranty will not apply in cases of:

- \* Normal wear and tear
- \* Incorrect use, e.g. overloading of the appliance, use of non-approved accessories
- \* Use of force, damage caused by external influences
- \* Damage caused by non-observance or the user manual, e.g. connection to an unsuitable mains supply or non-compliance with the installation instructions
- \* Partially or completely dismantled appliances
- \* Harsh installation/environmental conditions, e.g. premature damage to water circuit due to unfiltered hard water or damage to cooling system due to high dust environments

To obtain full details of your warranty and approved service agency, please contact your dealer/supplier, or the nearest Hoshizaki Service office:

### Europe

U.K./Ireland - Hoshizaki UK

TEL : +44 (0)845 456 0585

FAX: +44 (0)1462 499080

Holland - Hoshizaki Europe

TEL : +31 (0)20 6918499

FAX: +31 (0)20 6918768

Belgium/Luxemburg - Hoshizaki Belgium

TEL : +32 (0)2 7123030

FAX: +32 (0)2 7123031

Germany/Switzerland/Austria - Hoshizaki Deutschland

TEL : +49 (0)2154 92810

FAX: +49 (0)2154 928128

France - Hoshizaki France

TEL : +33 (0)1 48639380

FAX: +33 (0)1 48639388

Spain/Portugal - Hoshizaki Iberia

TEL : +34 (0)93 4780952

FAX: +34 (0)93 4780900

Other countries - Hoshizaki Europe

TEL : +31 (0)20 6918499 or +44 (0)845 456 0585

FAX: +31 (0)20 6918768 or +44 (0)1462 499080

### Other than Europe

Hoshizaki Singapore

TEL : +65 6225 2612

FAX: +65 6225 3219

Hoshizaki Lancer Pacific

TEL : +61 8 8268 1388

FAX: +61 8 8268 1978

# ENGLISH

Hoshizaki Suzhou  
TEL : +86 512 62807850  
FAX : +86 512 62807860

## IV. DISPOSAL

Comply with local regulations regarding disposal of the appliance for its flammable refrigerant and blowing gas. Before you scrap the appliance, take off the door to prevent children trapped.

Correct disposal of this product:

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



This product includes a hermetically sealed refrigeration system that contains fluorinated greenhouse gases covered by the Kyoto Protocol:

KM-100A	R404A / GWP 3260 / 0.34kg
KM-125A	R404A / GWP 3260 / 0.36kg

This product is insulated with foam blown with fluorinated greenhouse gases.

## V. NAMEPLATE RATING

### HOSHIZAKI ICE MAKER

MODEL NUMBER	KM-100A
SUPPLY VOLTAGE	220-240V~50Hz
ELECTRIC CAPACITY	0.96kVA
ELECTRIC CONSUMPTION	584W
COMPRESSOR POWER	385W
AMPERAGE	3.4A
REFRIGERANT	R404A/0.34kg
PERMISSIBLE OPERATING OVERPRESSURE	36 bar
INSULATION BLOWING GAS	CYCLOPENTANE,HFC-134a
CLIMATIC CLASS	T
WEIGHT	62kg
SERIAL NUMBER	

Hermetically sealed refrigeration system contains fluorinated greenhouse gases covered by the Kyoto Protocol.  
Insulated with foam blown with fluorinated greenhouse gases.

HOSHIZAKI (SUZHOU) CO., LTD.  
SUZHOU, CHINA



### HOSHIZAKI ICE MAKER

MODEL NUMBER	KM-125A
SUPPLY VOLTAGE	220-240V~50Hz
ELECTRIC CAPACITY	1.43kVA
ELECTRIC CONSUMPTION	774W
COMPRESSOR POWER	495W
AMPERAGE	4.5A
REFRIGERANT	R404A/0.36kg
PERMISSIBLE OPERATING OVERPRESSURE	36 bar
INSULATION BLOWING GAS	CYCLOPENTANE,HFC-134a
CLIMATIC CLASS	T
WEIGHT	70kg
SERIAL NUMBER	

Hermetically sealed refrigeration system contains fluorinated greenhouse gases covered by the Kyoto Protocol.  
Insulated with foam blown with fluorinated greenhouse gases.

HOSHIZAKI (SUZHOU) CO., LTD.  
SUZHOU, CHINA



## EC DECLARATION OF CONFORMITY

Manufacturer: Hoshizaki (Suzhou) Co., Ltd.

Address: No. 15 Qingqiu Street, Suzhou Industrial Park,  
Suzhou 215126 China

We hereby declare that the machine(s) listed below and manufactured by us meet the essential health and safety requirements demanded by the following EC regulations:

EC Regulations: EMC Directive (2004/108/EC)  
Low Voltage Directive (2006/95/EC)

Harmonised European Standards applied:

- EN 55014-1 (EMC)
- EN 55014-2 (EMC)
- EN 61000-3-2 (EMC)
- EN 61000-3-3 (EMC)
- EN 61000-4-2 (EMC)
- EN 61000-4-3 (EMC)
- EN 61000-4-4 (EMC)
- EN 61000-4-5 (EMC)
- EN 61000-4-6 (EMC)
- EN 61000-4-11 (EMC)
- EN 60335-1 (LVD)
- EN 60335-2-24 (LVD)
- EN 62233 (EMF)

CE Marking first affixed: 2008

Product Description: Hoshizaki Ice Maker

Model(s): KM-100A, KM-125A

Name: Teruaki Yoshimura

Position: Vice General Manager

This declaration will no longer be valid if any alterations are made to the machine(s) without our approval.