



SELF-CONTAINED ICE MAKER
MACHINE A GLACE A BACINTEGRE
EISBEREITER MIT EINGEBAUTEM VORRATSBEHÄLTER
IJSMACHINE MET INGEBOUWDE BUNKER
MÁQUINA DE CUBITOS DE HIELO AUTÓNOMA
MACCHINA PER LA PRODUZIONE DI GHIACCIO AUTOCONTENUTA

INSTALLATION MANUAL NOTICE D'INSTALLATION INSTALLATIONSANLEITUNG INSTALLATIE VOORSCHRIFT MANUAL DE INSTALACION MANUALE PER L'INSTALLAZIONE

FOR QUALIFIED INSTALLER ONLY
RESERVE A L'INSTALLATEUR
FÜR DEN INSTALLATEUR
VOOR DE BEVOEGDE INSTALLATEUR
SOLAMENTE PARA INSTALADOR CUALIFICADO
SOLTANTO PER INSTALLATORI QUALIFICATI

**FM-120EE
FM-120EE-N
CM-110EE
FM-120EE-50
FM-120EE-50-N
FM-80EE
FM-80EE-N**

92E2EB20B (101008)

IMPORTANT

1. In order to carry out safe and proper installation of the product, please read this booklet carefully beforehand and follow the instructions contained within.
2. On completion of the installation, start up the icemaker to check for any abnormalities, and instruct the user on how to use and maintain the icemaker in accordance with the Instruction Manual.
3. This booklet should be handed over to the user after the installation and be preserved by the user together with the Instruction Manual for any further consultation that may be necessary.

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.

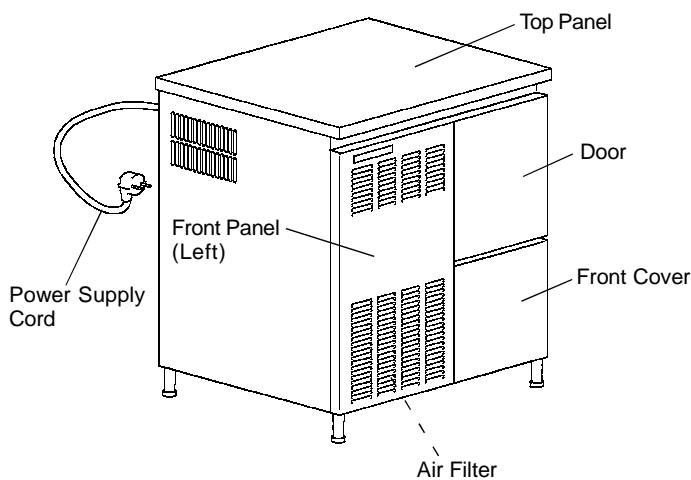
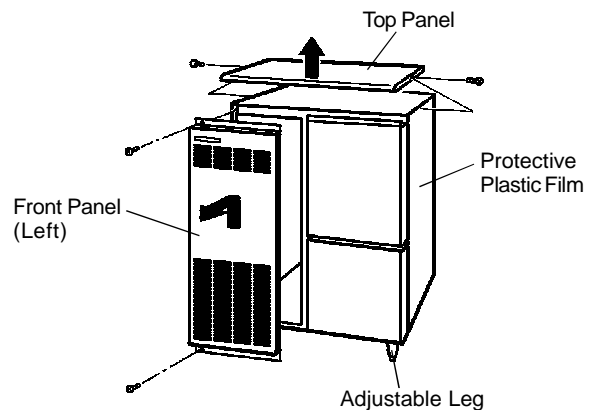


Fig. 1

- 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 the shipping tape holding the Door and Front Panel.
- 3) Open the Door, take out the package containing accessories, and check the contents:

a) Installation Kit	
Inlet Hose	1
Outlet Hose	1
Adjustable Leg	4
b) Scoop	
	1
- 4) Remove the Front Panel (Left) and Top Panel. See Fig. 2.

- 5) Remove the protective plastic film from the panels. If the icemaker is exposed to the sun or to heat, remove the film after the icemaker cools.



- Front Panel (Left): Remove the screws. Lift up and pull toward you.
 Top Panel: Remove the screws and lift up.

Fig. 2

2. LOCATION

IMPORTANT

1. This icemaker is not intended for outdoor use. Normal operating ambient temperature should be within 5°C to 40°C. Normal operating water temperature should be within 5°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.

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3. The location should provide a firm and level foundation for the equipment.
4. Allow 15 cm clearance at rear, sides and top for proper air circulation and 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 of the icemaker or in front of the Louver.
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" in the instruction manual).
8. The noise from this icemaker is 55 dB or less.

3. INSTALLATION

- * Incorrect installation can cause harm to people, animals or things, for which the manufacturer cannot be held responsible.
- 1) Position the icemaker in the selected permanent site.
 - 2) Level the icemaker in both the left-to-right and front-to-rear directions by adjusting the legs.

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.
- * The main control box circuit breaker is rated at 6A

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 13A 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 the icemaker.
- * Water supply pressure should be minimum 0.5 bar and maximum 8 bar. If the pressure exceeds 8 bar, use a proper pressure reducing valve. Do **NOT** throttle back the supply tap.
- * A plumbing permit and services of a licensed plumber may be required in some areas.
- * The icemaker drain is gravity flow, so ensure drain pipe has an adequate pitch or fall.
- * Water should drain into an open trap.

- 1) Attach angled end of white flexible inlet hose (accessory) to the G3/4 fitting at the top rear of the icemaker as indicated, ensuring rubber sealing washer is correctly positioned. Hand tighten sufficiently to provide leak free joint.
- 2) Attach the other end of inlet hose to the water tap, noting washer is correctly positioned before hand tightening as above.
- 3) Attach grey flexible outlet hose (accessory) to the R3/4 fitting at the bottom rear of the icemaker as indicated, confirming fitment of rubber washer before finally hand tightening the joint. This pipe can be cut to length as necessary to suit position of main drain.

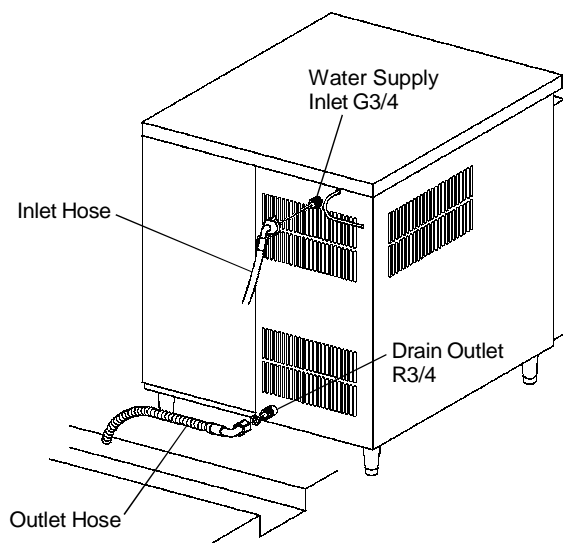


Fig. 3

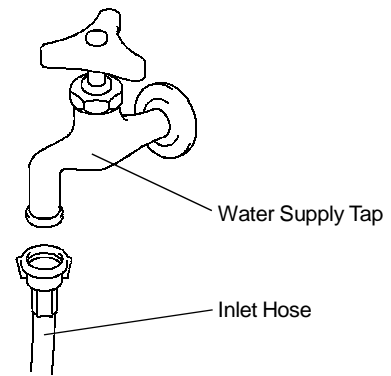


Fig. 4

6. START-UP PROCEDURE

- 1) Check that the power supply cord is disconnected.
- 2) With the Front Panel (Left) removed, check that the Operation Switch on the Control Box is turned on.

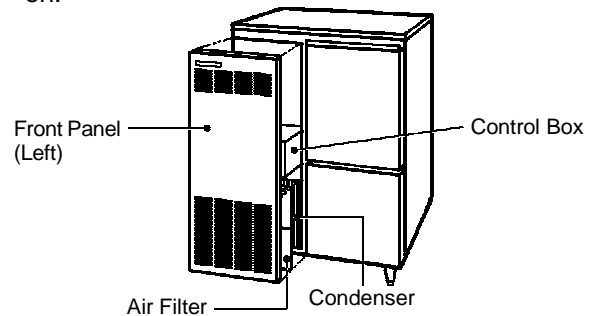
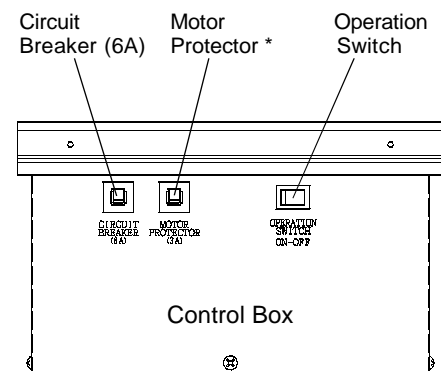


Fig. 5



* 3A (FM-120EE, CM-110EE)
1A (FM-80EE)

Fig. 6

- 3) Replace the Front Panel (Left) and Top Panel in their correct position.
- 4) Open the water supply tap.

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- 5) Connect the power supply and energise.
- 6) The following should occur in sequence:
 - a) Water Reservoir will fill.
 - b) Gear Motor will start.
 - c) Compressor will start.

IMPORTANT

1. Check the conditions and quality of the ice production.
2. Do not use ice produced in the trial run. It might be contaminated with foreign matter in the water circuit. Discard or flush down the drain.
3. Clean the Storage Bin before use (see "III. 1. CLEANING" in Instruction Manual).

7. FINAL CHECKS

- 1) Is installation free of water leaks?
- 2) Is the icemaker free from vibration?
- 3) Are all the panels fixed and secure?
- 4) Has the user been instructed on correct machine use and handed the Instruction Manual?

HOSHIZAKI

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