

HOME ICE MACHINE USER INSTRUCTION MANUAL MODEL TS-061



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Introduction

This instruction manual covers the operation of versions of the Home Ice Machine Model TS-061 manufactured after April 2003.

Please read these instructions carefully and retain them for future reference.

The appliance must be connected to a (nominally) 240V AC 50Hz. earthed electrical supply and be protected with a 13 Ampere fuse.

The Home Ice Machine produces 12 ice cubes every cycle of 12 to 18 minutes approximately depending which size of cube is selected. It is equipped with a clear Function Display panel which includes SELECT buttons for ice cube size selection (S – small, M – medium and L – large), START and STOP buttons and a WATERTANK condition monitor which gives a visual warning when the appliance is running low on water. The unit has a mains electricity ON/OFF switch in the lower right hand side panel.

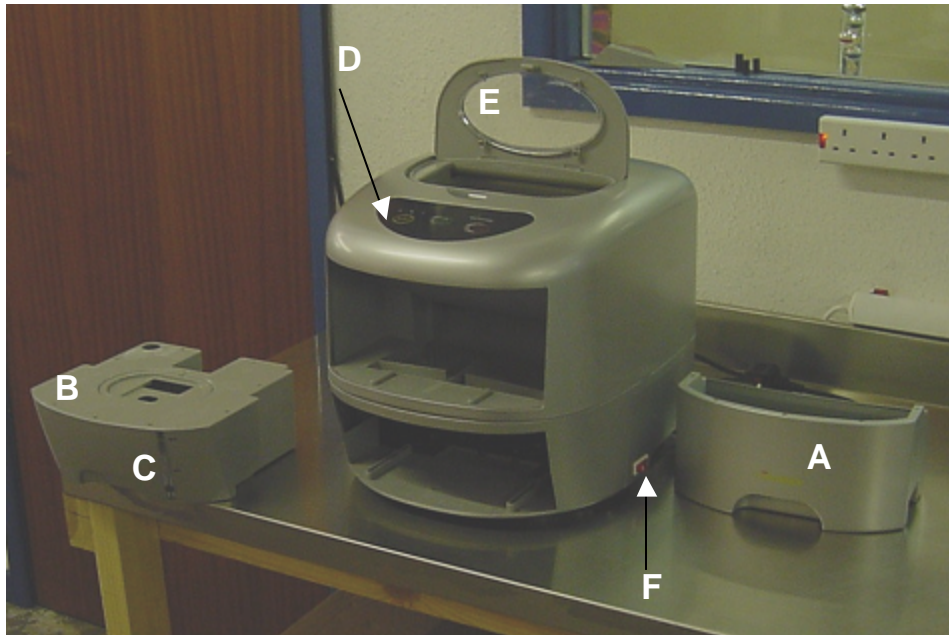
When the appliance is switched on the ice cube size defaults to small (S). This indicates that the appliance was manufactured after April 2003.

Appliances manufactured before this date normally default to medium (M) cube size.

It is recommended that the appliance is operated with small (S) cube size whenever conditions allow.

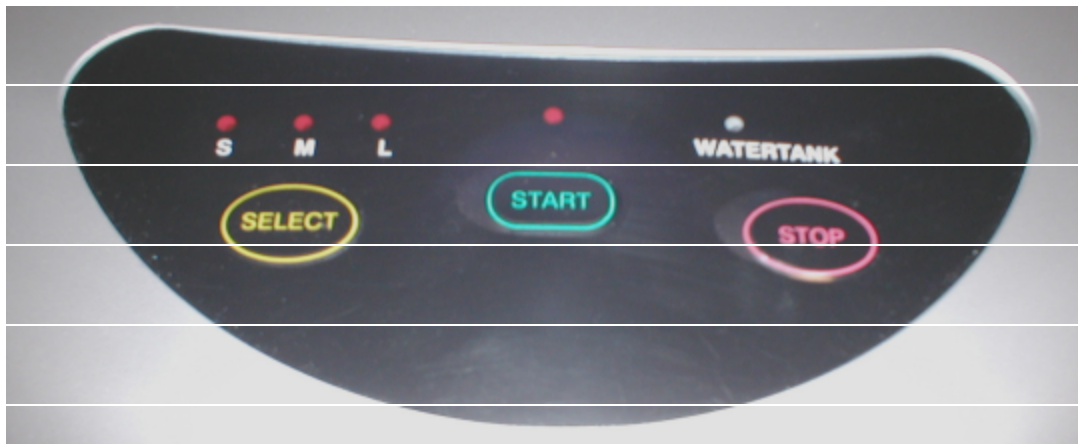


Parts Overview



- | | | | |
|---|-----------------------|---|------------------|
| A | Ice Cube Drawer | B | Water Tank |
| C | Water Level Indicator | D | Function Display |
| E | Cover with Window | F | On/Off Switch |

Detail of Function Display:





Preparing the Appliance for Use

Unpack the appliance and place it on a sturdy level surface. It is recommended that the packaging be retained for secure movement/transport.

The appliance operates at its optimum performance in a normal room temperature of 20° C.

The refrigerant inside the appliance must have time to settle following transportation and a minimum stabilisation period of three hours is recommended prior to switching on the appliance.

There are two ventilation grilles in the appliance cover, one in the lower left hand side and one in the upper rear panel. To ensure correct appliance operation these grilles must not be obstructed. A gap of at least 10 cm. (4 inches) must be maintained between the appliance sides, rear and top and other appliances or walls.

Remove the Water Tank (the lower of the two removable drawers on the appliance front face) and pour fresh drinkable mains tap water into the tank through the larger rectangular hole in the Water Tank lid and fill the tank up to the MAX line of the Water Level Indicator on the front right of the water tank. Commercially bottled still drinking water may be used if desired. Replace the Water Tank fully home into its recess.

Ensure the Ice Cube Drawer is fully home in its recess and the Cover with Window is closed as the freezing element gets very cold during operation.

Appliance Operation

Plug the appliance mains electricity lead in to a suitable supply and switch on the ON/OFF Switch situated in the lower right hand side panel. The ON/OFF Switch is illuminated and will light up. The appliance should be positioned for easy access to the ON/OFF switch and mains plug to facilitate rapid switch off and appliance isolation when required.

The appliance may bleep several times whilst the internal components reset themselves. If this does happen the bleeping should last no longer than 20 seconds. If bleeping continues for a longer period withdraw both the Water Tank and the Ice Cube Drawer slightly and re-insert them ensuring they are fully home within their recesses. When the Water Tank is withdrawn the WATERTANK indicator should change from green to red or red/orange, and when re-inserted the indicator should go green. If the WATERTANK indicator stays red or red/orange this could mean that the internal water level detector is not operating correctly. Remove the Water Tank and check that the black float in the transparent level indicator on the rear right hand side of the tank is free, ie that the float is not stuck at the bottom of the detector. If the float is stuck gently tap the indicator to free the float. Replace the Water Tank.



Appliance Operation (Continued)

The ice cube size S (small) of the SELECT button should be illuminated red as this is the default setting. If it isn't press the S button to illuminate it.

Press and hold down for two seconds the START button on the Function Display. The appliance will start with the water pump, cooling fan and compressor starting to operate. Looking through the right hand side of the window in the cover water will be seen entering the water tray.

After approximately 12 minutes ice cubes will be deposited in the Ice Cube Drawer and the appliance will bleep four times. Do not attempt to remove ice cubes until after the four bleeps have finished otherwise the appliance will bleep continuously and the cubes may be deposited into the Ice Drawer recess rather than the Ice Drawer itself. If the appliance does bleep continuously ensure the Ice Cube Drawer is fully in its recess.

The appliance will continue to produce ice cubes at approximately 12 minute intervals. Some variation in cube size can be expected however such variation should be minimised once the appliance has stabilised. Variables such as water temperature and ambient temperature can affect ice cube size.

When the Ice Cube Drawer is full the appliance will detect this and bleep 10 times. The S, M and L lights will flash for 5 minutes and, if the Ice Cube Drawer is not emptied, the appliance will go into sleep mode. Emptying the Ice Cube Drawer and replacing it in its recess will re-start the ice making process. If the Ice Cube Drawer is not emptied the cubes will melt and the water will drain back into the Water Tank. When sufficient cubes have melted the ice making process will re-start again automatically.

As water is drawn from the Water Tank the level will drop and eventually the WATERTANK indicator on the Function Display will turn from green to red or red/orange indicating that the tank requires topping up. It is not necessary to top up the tank immediately. The ideal time to top up the tank is a couple of minutes after the water has stopped being pumped into the water tray. This is because towards the end of the ice cube production cycle the water tray inverts and any unfrozen water in the tray drains back into the Water Tank. If the Water Tank is removed for the purposes of topping up during this period then water will be deposited into the base of the appliance and then leak onto the surface on which the appliance is standing.

Topping up an appliance which has been running for a number of cycles the water level should be approximately 5mm ($\frac{1}{4}$ inch) below the MAX line of the Water Level Indicator. This is so that the Water Tank does not overflow after water tray inversion.

The appliance can be stopped at any time by pressing the STOP button on the Function Display. If this is done the red START indicator will flash.



After Use

When the appliance is not to be used for some time, for example for periods exceeding 48 hours, it is recommended that it be disconnected from the electricity supply and any remaining ice cubes and water be removed. Excess water in the Ice Cube Drawer, Water Tank and water tray should be removed using paper kitchen towels or similar product.

It is recommended that the appliance is cleaned on a regular basis, perhaps once every three months or more frequently in areas where chalky deposits can be a problem. Two cleaning solutions may be used. One is one part vinegar to 10 parts water, the other is 1 part bicarbonate of soda to 5 parts water. In both cases the appliance should be allowed to complete one ice making cycle then left to stand for 6 hours before being thoroughly rinsed with fresh water and dried as detailed in the previous paragraph.

Solvents, detergents and abrasives must not be used for cleaning.

The appliance exterior can be cleaned with a damp cloth and then polished with a soft, dry lint free cloth.

Hints and Tips

Do not place the appliance on its side or upside down. Pay particular attention to this when the appliance is being moved.

Ventilation grilles must not be obstructed.

Do not immerse the appliance in water or other liquids.

The appliance has internal moving parts. Do not open the Cover when it is connected to the electricity supply and take particular care to prevent children from getting access to or playing with the appliance. The ice making element gets very cold and touching them could result in ice burns.

Do not use water that is below 8°C as this may cause the ice cubes to fuse into one large block of ice particularly if medium (M) or large (L) ice cube size is selected. Always try small (S) ice cube selection as this may give cubes of sufficient size.

As with all electrical appliances, if used outdoors ensure that it is protected from the elements and use an earth leakage contact breaker for safety. Do not expose the appliance to rain and do not use it or store it where it could get damp or wet.

Do not put the appliance near heat sources. In case of damage to the appliance or its lead we advise not using the appliance and to return it for authorised repair and parts replacement.



Hints and Tips (Continued)

Using parts not recommended by the manufacturer can be dangerous. Only use the appliance for its intended purpose, the production of ice cubes. Flavoured waters, fruit juice, cordials and similar products must not be used.

The refrigerant gas used in the appliance (R134a) is chemical waste. Disposal of the appliance must be done in an environmentally friendly way. See Page 9 for further information on appliance disposal.

Problems and Malfunctions

If the indicator light on WATERTANK is illuminated red or red/orange the water tank level is low and requires topping up.

If the L and START indicator lights flash and the appliance beeps then the Ice Cube Drawer is not positioned properly. Remove the drawer and replace it in its recess. There are a number of sensors associated with the Ice Cube Drawer and the Water Tank and faulty positioning of these units is the most common cause of malfunction. Always ensure that the Ice Cube Drawer and the Water Tank are correctly positioned in their recesses.

If the M indicator is illuminated and the appliance beeps, or the M indicator is flashing and the appliance is not beeping, the ice cube production process is stuck. It may be that ice cubes are stuck to the freezer element, an ice cube is stuck in the mechanism or the ice cubes have fused into one large block of ice. If this happens switch off the appliance, unplug it from the mains supply, open the cover and leave it open until all ice blockages melt. Once everything has melted close the cover, plug the appliance in to the supply, switch on and press START.

In the event of any appliance stoppages, malfunctions or indicator light sequences not already covered in these instructions switch the appliance off for one minute and then switch it on again. This should clear any spurious faults.

For any faults which cannot be cleared and for further assistance and service the contact information is shown on the next page.



Appliance Technical Data

Voltage:	Nominally 240V AC 50Hz.
Maximum power:	200W
Water Tank capacity:	3.8 litres approximately
Ice Cube Size:	S (Small) Cycle time ≈ 12 minutes M (Medium) .. ≈ 15 minutes L (Large) .. ≈ 18 minutes
Dimensions:	350 x 350 x 422 mm
Net Weight:	18.2 Kg
Approvals:	CE. TÜV/GS.

The number of ice cubes produced per cycle is 12. The Ice Cube Container holds approximately 60 cubes or 1 kg. of ice. The appliance produces between 16 and 20 Kg. of ice in a 24 hour period dependant on the water temperature.

Advice and Service

The appliance is manufactured in China and Refrigeration Installations Limited is the United Kingdom Main Agent and Distributor.

For advice or help on any matter please contact **Syd Lloyd** at:-

Refrigeration Installations Limited
Unit D9 Newton Business Park
Cartwright Street
Hyde
Cheshire
SK14 4EH

Tel: 0161 366 1110

Fax: 0161 366 1190

Email: info@refrigeration-freezers.com

**IMPORTANT ENVIRONMENTAL INFORMATION FOR PURCHASERS/USERS WITHIN
THE EUROPEAN ECONOMIC AREA**

The European Parliament will enforce new regulations in 2006 concerning the disposal of electrical and electronic equipment such as the Home Ice Machine. The regulations, called Directives, place responsibilities on the appliance supplier and you, the purchaser/user. One of the actions required of suppliers is to inform users of their obligations.

The appliance has been assessed in accordance with the European Parliament Directive 2002/96/EC on Waste Electrical and Electronic Equipment, usually referred to as the WEEE Directive.

The WEEE Directive requires that the appliance is disposed of at the end of its useful life in an environmentally responsible manner. Similar requirements have applied to refrigerators for some time.

Parts and materials that can be re-used and/or re-cycled have been identified in order that the use of new resources and the amount of waste going for landfill can be minimised.

The WEEE Directive requires that if you are replacing the appliance with a new equivalent product from the original supplier then that supplier can collect the old item without cost to yourself. It is emphasised that this no-cost return option is only available when you purchase a new product of equivalent type that fulfils the same function. Please inform your supplier of your wish to have the old appliance collected when ordering the replacement.

If you wish to dispose of the appliance without replacing it then the appliance must not be mixed with unsorted municipal waste. The crossed-out wheeled bin symbol on the unit label or unit packaging, and repeated below, indicates this requirement.



You must ensure that the appliance is disposed of at an authorised treatment facility, details can be obtained from your local council.

Your rôle is critical and will help to ensure that the Earth' s resources are maintained and that as much re-usable and re-cyclable material as possible is processed. It will also ensure that landfill volume requirements are kept at a minimum and that hazardous materials are not buried thereby providing potential future problems for the environment and human health.

The WEEE Directive comes into force in January 2006.