Haier

HSBS610IS

INSTALLATION INSTRUCTIONS
USER GUIDE

Before using the appliance for the first time

Intended use: This appliance is intended to be used in household and similar applications such as staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments.

Things to do...

Make sure that the plug is not trapped under the refrigerator. Hold the plug, not the cable, when unplugging the refrigerator. Take care not to roll over the power cord or damage it when moving the refrigerator away from the wall. Take care that the plug is not damaged, if it is, if possible switch off the power supply and carefully unplug it and consult an authorized service agent for replacement.

Make sure that there is no gas or other inflammable gas leaking in the vicinity of the refrigerator. In the case of this occurring, turn off the valve of the leaking gas; open doors and windows but do not plug or unplug the power cords of the refrigerator or any other appliance.

Unplug the refrigerator for cleaning or maintenance or because of lamp replacement.

Open the doors by the handle, caution the gap between the doors can be very narrow, so avoid trapping your fingers.

When unplugging the refrigerator allow at least 5 minutes before restarting, as frequent starting be damage the compressor.

Leave the ventilation openings free of obstruction.

When discarding the refrigerator, to avoid the accidental trapping of children, please remove the refrigerator doors, door seals and shelves and put them in an appropriate place.

The refrigerator should be placed in a well-ventilated place not far from a drink water source.

Ensure a space of at least 20 cm above and 10 cm around the refrigerator.

The appliance must be positioned so that the plug remains accessible.

Things not to do...

The refrigerator is operated by a 220-240 VAC/50 Hz power supply. Plug the refrigerator to incorrect voltage, fluctuation may cause the refrigerator to fail to start, or damage to the temperature control, or the compressor, or there may be abnormal noise when the compressor is operating. In such a case, an automatic regulator should be mounted.

A dedicate socket with reliable grounding/earth must be provided for the refrigerator. The refrigerator's power cable is fitted with 3-cord (grounding/earth) plug that fits a standard 3-cord (grounded/earthed) socket. Never cut off or dismount the third pin (grounding/earth). After the refrigerator is installed, the plug should be accessible.

Never store inflammables, explosives or corrosive materials in the refrigerator.

Do not store medicines, bacteria or chemical agents in the refrigerator. This refrigerator is a household appliance. It is not recommended to place materials that require strict temperature.

Do not store or use gasoline or other inflammable materials in the vicinity of the refrigerator to avoid a fire.

Do not place unstable articles (heavy objects, containers filled with liquids) on the top of the refrigerator, to avoid personal injury caused by falling or electric shock caused by contact with water.

Do not swing from the door or bottle racks on the door. The door may be pulled away from vertical, the bottle rack, may be pulled away, or the refrigerator may topple.

Do not step on the freezer storage compartment door, shelves or cabinet when filling with or removing food and drinks.

Do not touch the inside surface of the freezer storage compartment when in operation, especially with wet hands as your hands may freeze onto the surface.

To ensure the refrigerator's electrical insulation, do not spray or flush the refrigerator with water when cleaning, nor place the refrigerator in a damp area or a location where it may be splashed with water. Clean and dry water splashes and stains with a soft clean cloth.

Disassembly and alteration of the refrigerator must be authorized. Any sharp or rough movement of the refrigerator may damage the cooling pipes. Property loss or personal injury may result.

Repair of the refrigerator must be performed by professional personnel.

Never store bottled beer or beverages in the freezer, as these will burst during freezing.

Do not place the refrigerator in direct sunlight or in a place where it is exposed to heat from stoves, heaters or other appliances.

Do not leave refrigerator's doors open without the presence of an adult, and not let children get in the refrigerator.

Do not let infants or children to climb into the freezer drawer.

Do not use electrical appliances inside the refrigerator, unless you are the type recommended by the manufacturer.

Do not damage the refrigerant circuit.

Do not use a hair dryer to dry the inside of the refrigerator. Do not place lighted candles in the refrigerator to remove odors.

Do not spray volatile materials such as insecticide on any surface of the appliance.

Open or close the refrigerator doors only when there are no children standing within the range of door movement.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Do not store too much food in the freezer storage comportment to avoid longer operation time of the compressor or falling food.

It is recommended not to exceed the load line of the drawers.

The total weight of the food should not exceed 30 kg. To prevent the food from failing on the ground, do not pull open the freezer drawer too strongly or at an angle.

Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

In case of any problem with the light of refrigerator, please contact with our customer service department for handling, and users cannot replace it by themselves.

Please contact the service agent to dispose the appliance because the flammable blowing gas was used.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

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- Before start-up,be sure to read the User's Guide.
- Keep the User's Guide in a safe place.
- Keep ventilation openings,in the appliance enclosure or in the built-in structure,clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process,other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments of the appliance,unless they are of the type recommended by the manufacturer.
- Due to our policy of continual improvement,we reserve the right to change specifications without prior notice.

1. Before You Start

Thank you for buying this fridge freezer appliance. We hope that it provides a stylish and practical solution to your cooling needs. Please read this manual before using your new fridge freezer. Please keep this manual safe and pass it onto any new owner. We hope that this manual supplies all the information you require. If there is anything you are unsure of please contact us (see the Warranty section for Customer Care details).

⚠ WARNING! This appliance must be earthed .

⚠ Please leave the appliance to stand for at least six hours. This will allow the cooling system to settle following transportation.

⚠ Always make sure a qualified person installs this appliance.

⚠ The freezer compartment is rated at 4 stars.

⚠ This appliance is designed for domestic use only. Using it for any other purpose could invalidate any warranty or liability claim.

- Before you plug the appliance into the mains, clean the inside of the appliance using warm water and bicarbonate of soda, then dry thoroughly.
- Check that no parts of the appliance are damaged, especially parts of the cooling system, pipes or leads. If damage has occurred, DO NOT install the appliance; you should contact a qualified service engineer or contact Customer Care.
- If the accessories inside the appliance have been disturbed during transit, reposition them in accordance with the instructions.
- Make sure that the electrical supply to your socket is correct for this appliance – the required power information is on the data label of the appliance. The data label is located inside the appliance (top of refrigerator compartment).
- Once the appliance is installed, cleaned dry, and has been allowed to stand following transportation, it is ready to be plugged in and switched on.

Safety

⚠ WARNING! Use drinking water only with this appliance.

⚠ WARNING! Keep this appliance clear of any obstruction.

⚠ DO NOT damage the refrigerant circuit. If it does become damaged, do not use the appliance.

⚠ WARNING! DO NOT use mechanical devices (such as hair dryers) to defrost this appliance.

⚠ WARNING ! The water and ice pipework MUST be flushed through before use. Refer to the Icemaker/Water Dispenser section of this manual.

- When replacing old appliances, make sure that you have disabled any locking mechanisms before disposal – it may even be best to remove the appliance door completely to prevent children from becoming trapped inside the appliance.
- The appliance must be connected to the power supply safely. Loose connections, broken plugs and bare wires are a safety hazard. Make sure that all connections are sound.
- Before undertaking any routine maintenance or minor repairs, disconnect the appliance from the electrical supply. This includes cleaning and changing light bulbs.
- DO NOT touch cold surfaces of the appliance while it is in use as this will cause hands to stick to them leading to freezer burns.
- When moving the appliance take care not to damage the leads, pipes or condenser unit. Should these parts become damaged, contact a qualified service engineer.
- Effervescent liquids (fizzy drinks) should never be frozen. These liquids expand during freezing and this may lead to the bottles/containers shattering or exploding.
- Foods that are intended to be defrosted or cooked first, such as breads or meats, must not be eaten in their frozen state.
- If food looks or smells strange, do not attempt to eat it. If in doubt throw it away.
- Never use sharp, metal implements to scrape ice off the surface of this appliance. Only use implements, which are fit for this purpose (such as plastic scrapers) and use carefully to avoid damaging the lining of the appliance.
- The cooling system contains refrigerant and oils, all of which are harmful to health if leaked. Should leakage occur, disconnect the appliance and ventilate the room. Make sure that you do not get any coolant near to, or in, your eyes.
  Contact a service engineer or arrange to have the appliance removed.

Electrical Safety

- Connections to the mains supply should be in accordance with local regulations.
- The plug MUST be accessible after the appliance has been positioned.
- Make sure that the refrigerator does not trap the electric cable.
- Do not step on the cable.
- Avoid damage to the electric cable when moving the refrigerator.

Damaged electrical cable

If the electrical cable is damaged or worn, turn off the refrigerator and consult an authorised agent for replacement.

Refrigerant Gas Information

IMPORTANT:This appliance is provided with refrigerant gas, ISOBUTHANE (R600a). When moving the appliance take care to ensure that it is not excessively struck or shaken. Failure to do so could damage the appliance.

Damage to the refrigerating circuit, with possible leaking of refrigerating gas, could create a risk of explosion caused by external sparks or flames.

WARNING

This appliance may contain a small amount of environmentally friendly, but flammable, non-synthetic R600a refrigerant:
- Upon installing your product, check that the tubing of the refrigerant circuit is not damaged during transportation.
- Leaking refrigerant may cause eye injuries or ignite.
- The room for installing appliance must be at least 1m3 per 8g of refrigerant. The amount of refrigerant in the appliance can be found on the rating plate on the back of the unit.
- Keep ventilation openings in the appliance enclosure or in a built-in structure clear of obstruction.
- Do not damage the refrigerant circuit

If you are unsure of the refrigerant type, check the rating plate on the back of the unit.

In the Event of Accidental Leakage

Allow the material to evaporate providing that adequate ventilation is provided.

Behaviour of the Gas

This refrigerant gas is highly flammable so do not allow the gas to come into contact with hot surfaces or naked flames. Gas R600a is heavier than air: if released it forms a high concentration at floor level where ventilation is poor.

First Aid

Inhalation

Take the exposed person from the polluted area and carry them to a warm, well ventilated place.

Long exposure can cause the onset of asphyxia and possible loss of consciousness. If necessary, practice artificial respiration, and in the most serious cases, administer oxygen under close medical supervision.

Skin contact

It is unlikely that occasional contact with the skin is dangerous. If this should happen thoroughly wash the affected zone.

Liquid splashes and atomised liquid can cause freezing burns. Wash the affected part with plenty of water and call a doctor to treat any burns.

Eye contact

Wash with plenty of water, with eyelids well open, and call a specialist doctor as soon as possible.

In any event, should you inhale or come into contact with R600a gas, we advise you to consult your own doctor.

Caring for the Environment

Disposing of Your Packaging

Your new refrigerator was protected by suitable packaging while on its way to you. All of the materials used are environmentally friendly for disposal and can be recycled. Please make a contribution to protecting the environment by disposing of the packaging appropriately.

Disposing of Your Old Refrigerator

This symbol on the product or its packaging indicates that the product may not be treated as household waste. Instead it should be handed over your local community waste collection/ recycling centre.

Old appliances still have some residual value. An environmentally friendly method of disposal will ensure that valuable raw materials can be recovered and used again.

When an appliance has reached the end of its working life unplug it from the mains. Cut off the mains cable and dispose of it together with the plug.

Make the door unfit for use (by removing the seals) or remove the door so that children cannot accidentally lock themselves in.

Cycloisopenthane, a flammable substance not harmful to ozone, is used as an expander for the insulating foam.

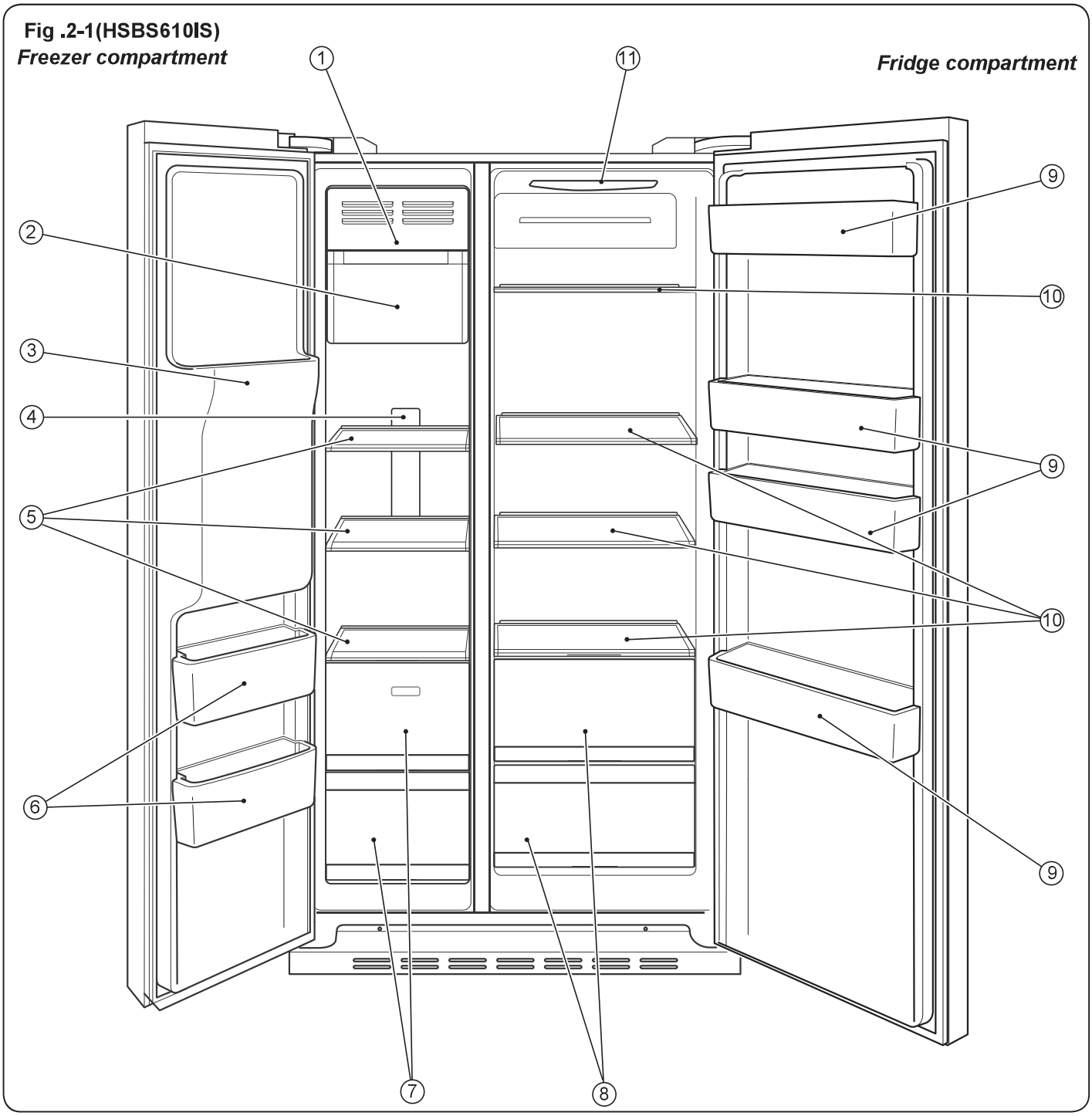
When transporting the appliance, take care not to damage the cooling circuit.

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused.

For more detailed information about recycling of this product, please contact your local council, your household waste disposal service or the shop where you purchased the product.

2. About Your Refrigerator

Fig .2-1(HSBS610IS)



The HSBS610IS (Fig.2-1) has the following features:

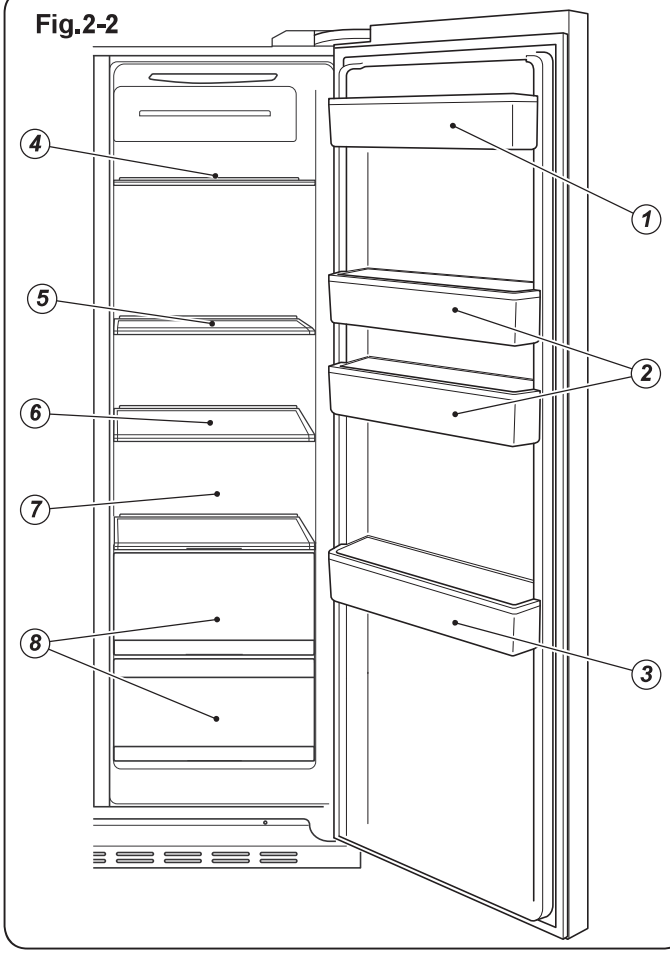
1. Ice cream shelf
2. Ice bin with ice maker (inside bin)
3. Water and ice dispenser
4. Freezer LED light
5. 3 freezer storage shelves
6. 2 freezer door bins
7. 2 freezer drawers
8. 2 crisper drawers
9. 4 fridge door bins
10. 4 fridge storage shelves
11. Fridge LED light

CFC free and frost free

Super-freeze, super-cool and holiday options

Automatic temperature display

Fig.2-2



About the Fresh Food Compartment

It is recommended to leave storage space between the foods for good cold air circulation. The temperatures in the refrigerator are slightly warmer near the top and colder near the base.

Foods that are likely to perish quickly should be placed towards the rear of the appliance – where it is coolest.

Suggestions for storage (Fig.2-3):

1. Eggs, butter, cheese, etc.
2. Tins, cans, condiments, etc.
3. Drinks and all kinds of bottled foods.
4. Pickled foods, drinks or cans.
5. Meat, poultry, fish and raw foods.
6. Flour foods, cans, dairy, etc.
7. Cooked meats, sausage, etc.
8. Fruits, vegetables or salads.

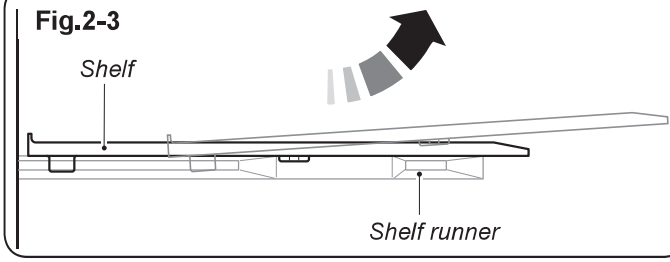
Shelves

The height of the shelves can be adjusted to fit your storage needs.

The shelves will not pull out accidentally when you remove foodstuff from the appliance.

⚠ **When adjusting the height of a shelf, first remove any food placed on the shelf.**

Fig.2-3



Shelves

To remove the shelf, tilt the front upwards so that the restraining pegs are clear of the side guides (Fig.2-4) and pull towards you. Keep the shelf tilted to allow the retaining stops to clear the side guides.

When repositioning, make sure the shelf is pushed back fully and the retaining stops have located securely.

The Light

The LED interior light comes on when the door is opened. The performance of the light is not affected by any of the appliances other settings.

About the Freezer Compartment

The freezer compartment consists of 2 drawers, 3 glass shelves and 2 bottle holders (Fig.2-5).

As with the fridge, certain areas of the freezer are better for storage of certain foods.

Ice creams and water ices are best stored the ice cream shelf or towards the rear of the appliance where it is coldest.

Large/heavier portions of food, such as meats joints for roasting are best stored in the drawers at the bottom of the appliance, while less heavier items should be stored on the shelves – this is to prevent damage to the appliance.

You should always make sure that food stored is suitable for freezing, and that you have stored it securely inside the appliance.

⚠ Please keep the distance more than 10 mm between the food placed and the sensor to ensure the cooling effect.

Shelves

To remove the shelf, tilt the front upwards so that the restraining pegs are clear of the side guides (Fig.2-6) and pull towards you. Keep the shelf tilted to allow the retaining stops to clear the side guides.

When repositioning, make sure the shelf is pushed back fully and the retaining stops have located securely.

The Light

The LED interior lights comes on when the door is opened. The performance of the lights is not affected by any of the appliances other settings.

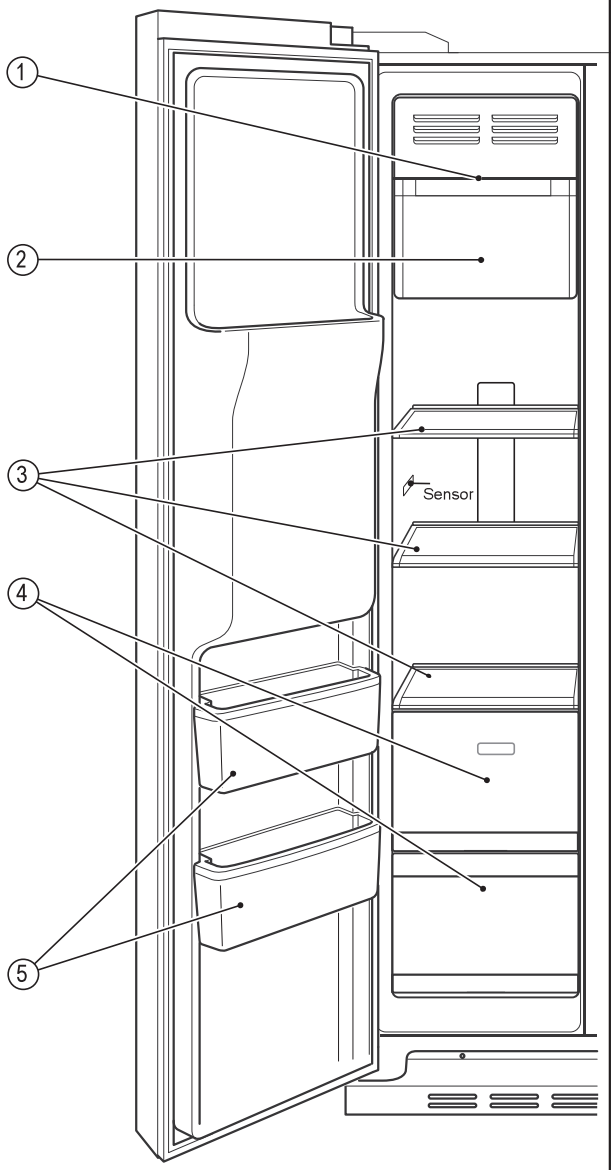
Defrosting Food for Cooking

Should food become partially thawed or defrosted, it should be consumed as soon as possible as the quality will be affected by defrosting.

⚠ Always make sure that food is thoroughly defrosted before cooking and no ice crystals remain. This is especially important for poultry, as this can be extremely harmful to health.

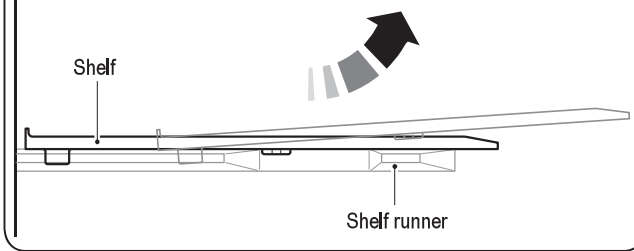
Always follow the defrosting instructions on packaging when defrosting ready meals – manufacturers' guidelines are always best, as some frozen foods should be cooked from frozen.

Fig.2-4



1. Ice cream shelf
2. Ice bin
3. Storage shelves
4. Storage drawers
5. Bottle holders

Fig.2-5



First use of the Icemaker / Water Dispenser

⚠ **DO NOT consume the first seven (approx) glasses of water, as there may be dust and / or impurities within the water pipes.**

This will make sure that the pipes are cleared. If in doubt, keep re-using the dispenser until the water runs clear.

Noises during Ice Making

The ice making process can be noisy. You may hear ice being dropped into the storage compartment. This is perfectly normal.

Storing Ice for Extended Periods

Ice, which is stored for a long period of time, may go an opaque colour and have a strange odour. We recommend that you dispose of this ice, remove and clean the icebox. Allow the tray to dry thoroughly and cool down before replacing into the appliance to prevent ice from sticking.

Preventing Ice from Being Made

If you do not require any ice over a prolonged period of time (i.e. during winter) you can switch off the valve between the water supply and the appliance. It is recommended that you clean the icebox, dry it carefully and replace it back into the appliance – this will prevent any odours being produced.

Installing and Removing the Ice Cube Storage Drawer

To remove the icebox, lift the middle of the drawer and then pull it out, releasing the unit(Fig.2-11).

Note: Water moisture may have condensed and frozen the icebox in place.

If the icebox does not fit easily, remove it and turn the cam mechanism 90° clockwise(Fig.2-12). Reinstall the icebox, making sure that the catch on the tray fits into the shelf slot.

If the Ice Maker does not Work Properly

The volume of the icebox equals the quantity of ice cubes, which the appliance can make in one day. Occasionally small number of ice cubes may remain inside the box. If the ice gets stuck, this will result in abnormal operation of the ice cube maker. To avoid this problem, remove the icebox and rearrange the ice cubes, and remove the ice cubes which cannot be separated.

⚠ Always keep the ice cube outlet clean and clear of obstructions.

⚠ If you take out the icebox,you will get extra space for food storage,please install the additionally provided bottle holder at the position above the inlet on the freezer door for easy food storage(Fig.2-13).

Fig.2-11

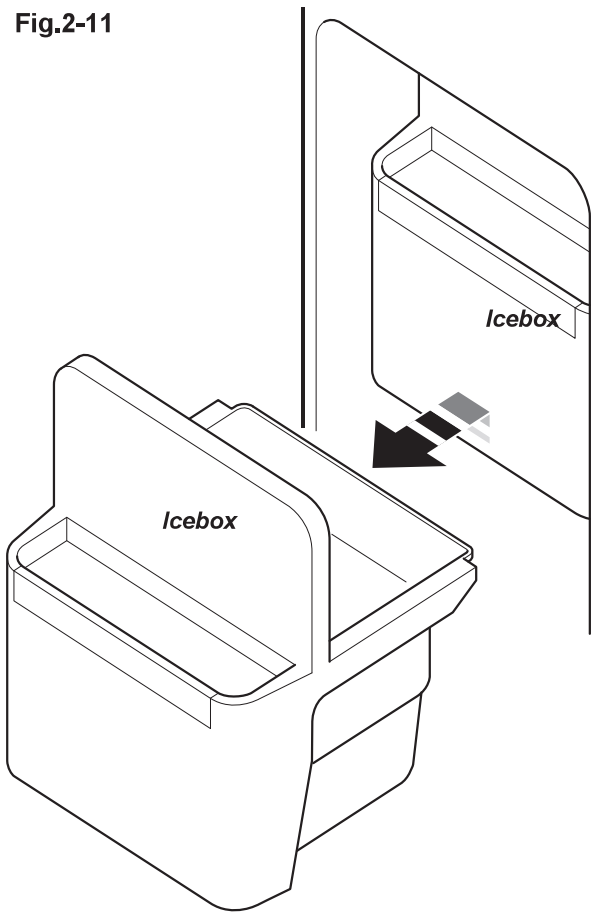


Fig.2-12

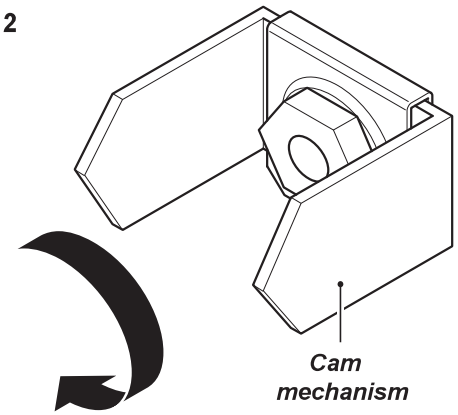
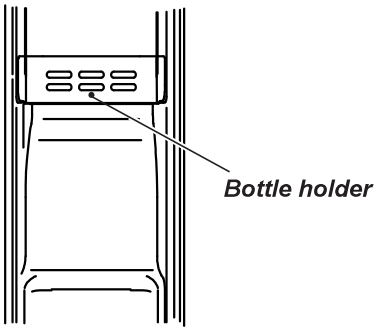
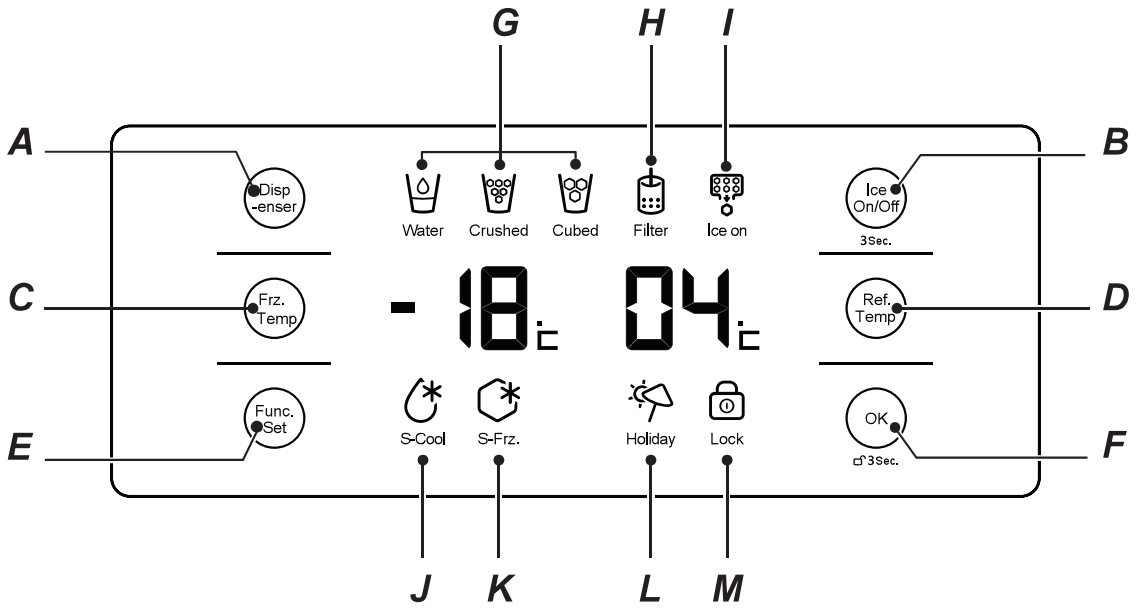


Fig.2-13



Fridge-Freezer Operation

Fig.2-14



A – Dispenser selector button

B – Ice maker on/off button

C – Freezer temperature button

D – Fridge temperature button

E – Function selector button

F – Function confirm button

G – dispenser status icon

H – Filter change status icon

I – Ice maker on status icon

J – Quick chill icon

K – Quick freezing icon

L – Holiday mode icon

M – Lock icon

The water and ice dispenser digital display and function buttons are shown in Fig.2-14.

⚠ WARNING!

You cannot adjust the appliance temperature settings under Super Freeze mode or Lock mode.
If you try to adjust the settings under these modes, the special function icon beside the freezer temperature display icon will blink, along with the beep sound to indicate that you cannot adjust the temperature at that time.

Fig.2-15

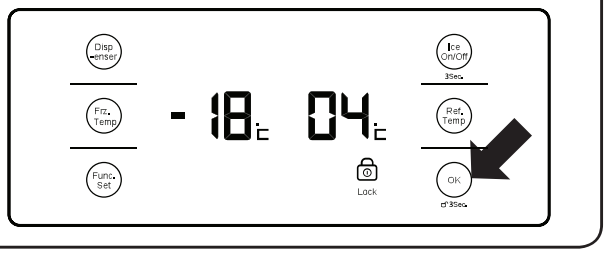


Fig.2-16

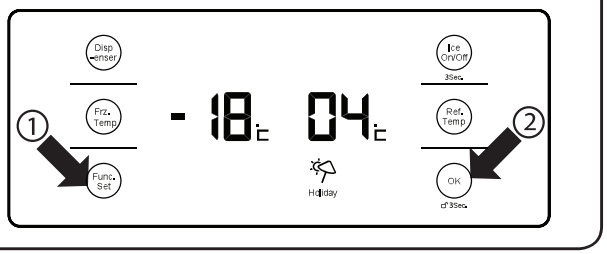
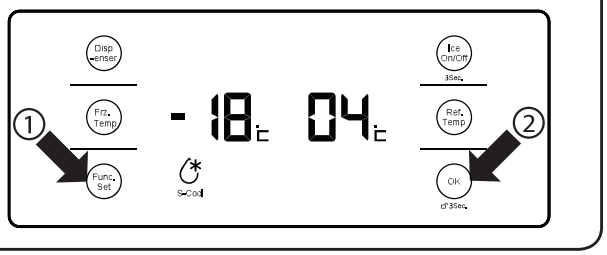


Fig.2-17



Lock Mode

This feature will lock the temperature and function settings. When locked, the lock icon will blink and a beep will sound.

To lock

Press and hold the 'OK' button for 3 seconds (Fig.2-15). The LOCK icon will switch on and the refrigerator will lock.

To unlock

Press and hold the 'OK' button for 3 seconds. The LOCK icon will switch off and the refrigerator will unlock.

Holiday Mode

⚠ WARNING ! Before selecting Holiday Mode remove all food and drink from the fridge compartment as is maybe unsafe to eat or drink after a short period of time.

This feature allows you to leave the fridge section unused while the freezer section operate as normal. When in this mode, the fridge will be automatically set to 17 °C.

To turn on

1. Press the 'FUNC.SET' button until Holiday mode is selected (Fig.2-16).
2. Now press the 'OK' button: the HOLIDAY mode icon will turn on.

To turn off

1. Press the 'FUNC.SET' button until Holiday mode is selected.
2. Now press the 'OK' button: the HOLIDAY mode icon will turn off.

Super Cool Mode

This function is to chill food quickly so that the food remains fresh for as long as possible. Use this feature before putting large quantities of food in to the fridge chamber at any one time.

The Quick Cool mode will turn off once it has reached the set temperature.

To turn on

1. Press the 'FUNC.SET' button until Super Cool mode is selected (Fig.2-17).
2. Now press the 'OK' button: the S-COOL icon will turn on.

To turn off

1. Press the 'FUNC.SET' button until Super Cool mode is selected.
2. Now press the 'OK' button: the S-COOL icon will turn off. Super Cool mode is now turned off.

Quick Freeze Mode

This function is designed to freeze food completely in the shortest possible time to maintain the nutrients within the food.

The Quick Freeze mode will turn off once it has reached the set temperature.

Use this feature before putting large quantities of food in to the freezer chamber at any one time. We recommend that you turn on the Quick Freeze mode 12 hours in advance, as this will lower the temperature in the freezer compartment before you place any food in it.

To turn on

1. Press the 'FUNC.SET' button until Quick Freeze mode is selected (Fig.2-18).
2. Now press the 'OK' button: the S-Frz. icon will turn on.

To turn off

1. Press the 'FUNC.SET' button until Quick Freeze mode is selected.
2. Now press the 'OK' button: the S-Frz. icon will turn off. Quick Freeze mode is now turned off.

Adjusting the Fresh Food Temperature

Press the 'Ref. Temp' button (Fig.2-19). The fridge temperature display will start blinking, which means the fridge is in the temperature setting mode.

Press the 'Ref. Temp' button to scroll, in turn, through the fridge temperature range from 09 °C through to 01 °C.

Without any further operation in 5 seconds, the blinking will stop and the temperature will be set. The temperature will also stay still at the time you press any other button during the blinking.

Adjusting the Freezer Temperature

Press the 'Frz. Temp' button (Fig.2-20). The freezer temperature display will start blinking, which means the freezer section is in the temperature setting mode.

Press the 'Frz. Temp' button to scroll, in turn, through the freezer temperature range from –14 °C through to –24 °C.

Without any further operation in 5 seconds, the blinking will stop and the temperature will be set. The temperature will also stay still at the time you press any other button during the blinking.

Fig.2-18

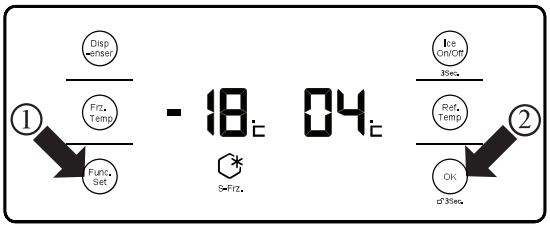


Fig.2-19

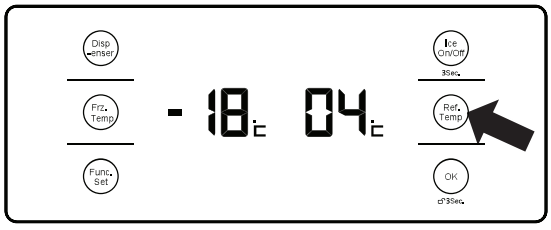
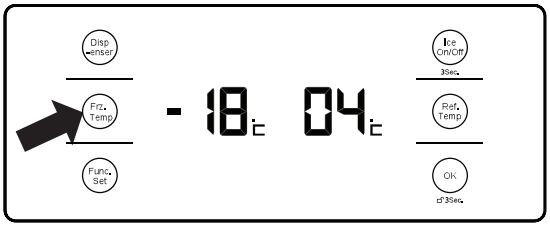


Fig.2-20



Operating the Water and Ice Dispenser

This fridge-freezer has three options available – cool water, crushed ice and cubed ice.

To avoid spillages, ALWAYS make sure that you hold your glass up to the dispenser before making your selection. We recommend using a 80 mm wide cup or larger when taking ice from the dispenser.

Ice Maker On/Off Setting

When the fridge-freezer is first powered on, the ice maker defaults to off.

To turn on

- Press the 'ICE MAKER ON/OFF' button for 3 seconds. The Ice Maker On icon will turn on and the ice maker will start working.

To turn off

- Press the 'ICE MAKER ON/OFF' button for 3 seconds. The Ice Maker On icon will turn off and the ice maker will stop working.

IMPORTANT: Make sure that you empty the ice maker container before you turn off the ice maker, as the ice will melt into water.

Cool Water Supply

1. Hold the glass to the dispenser.
2. Press the Dispenser Selector button to select cool water. The WATER icon will illuminate.
3. Slightly push the glass onto the lever switch and cool water will dispense into the glass.

Crushed Ice Supply

1. Hold the glass to the dispenser.
2. Press the Dispenser Selector button to select crushed ice. The CRUSHED icon will illuminate.
3. Slightly push the glass onto the lever switch and crushed ice will dispense into the glass.

Cubed Ice Supply

1. Hold the glass to the dispenser.
2. Press the Dispenser Selector button to select ice cubes. The CUBED icon will illuminate.
3. Slightly push the glass onto the lever switch and ice cubes will dispense into the glass.

Changing The Water Filter

When the Filter Change Status Icon turn on,it is indicating that the water filter requires changing(approximately every 6 months).After finishing the change,press Function Selector button for 3 seconds,Filter Change Status Icon will disappear.

Safety

⚠ DO NOT use excessively deep, narrow, fragile or delicate glasses.

- Hold the glass as close as possible to dispenser to avoid spilling water, dropping ice or blockages in the ice cube dispenser.
- Five seconds after the final delivery of ice or water, the dispenser flap will close with a 'phutt' sound. Hold the glass still for a further 2-3 seconds (for ice), 1-2 seconds (for water) after you have filled your glass and released the lever switch as additional water or ice may be produced.
- Regularly clean the dispenser.
- To maintain water quality, the filter will need replacing from time to time. We recommend that the water filter is replaced every 6 months . However, if the water quality show signs of deterioration, either visually or in taste, then the filter should be changed sooner.
- Crushed ice may be dispensed instead of cubed ice if crushed ice was the last option selected.

⚠ NEVER place canned drinks or foods inside the dispenser, as this will damage the crushing mechanism.

⚠ DO NOT touch the dispenser, or remove the icemaker cover to prevent accidental injury or damage to the appliance.

- First supply of water (seven glass approx) and ice cubes (20 pieces approx) should not be consumed after initial start up or following a lengthy break in use. Dispose of these accordingly.
- Do not place ice cubes, which have not been produced by the icemaker into the storage drawer to prevent damage to the mechanism.
- Insufficient water supply may lead to small ice cubes. Excessive water supply may lead to larger cubes, which may stick together, cause leaks and block the dispenser. You should adjust the tap or contact a service engineer.

Automatic Defrosting

There is no need to defrost the refrigerator as this appliance has automatic defrost.

⚠ DO NOT use mechanical devices to accelerate the defrosting process – unless they are of a type recommended by the manufacturer.

Alarm Function

If you leave a door open for a long time or close a door inappropriately, the fridge-freezer will beep at regular intervals, to remind you to close the door properly.

Display Power Down

After 30 seconds the digital display will switch off until the fridge-freezer is used again.

3. Food Storage Tips

Tips on Storing Fresh Food

- Keep your fridge temperature below 5℃.
- 'Best before' and 'use by' dates.Food with a "use by" date goes off quite quickly. It can be dangerous to eat after this date. Food with a "best before" date is longer-lasting. It should be safe to eat but may not be at its best quality after this date.
- Make sure that food that have been cooked and require chilling, are at room temperature before placing them into the fridge freezer. Make sure that these foods are stored in suitable containers.
- Foods stored in the refrigerator should be washed and dried before storing.
- Some food are best left wrapped in the manufactures original packaging when put in the refrigerator. If unwrapped, it is recommended that the food should be re-wrapped, so that the water cannot evaporate. Some fruit and vegetables keep fresher and food smells will not mix if wrapped.
- Stored foods can be marked in bags or containers.
- Foods eaten daily should be stored at the front of the shelf.
- Make sure that food is stored systematically (raw meats with raw meats, dairy with dairy) to avoid flavour transfer and cross contamination. Raw meats should be stored at the bottom of the fridge to prevent the possibility of it dripping onto uncooked food. Other foods should be stored above raw meat.
- When storing food in the fresh food section always make sure there is adequate space for airflow circulation. This helps to maintain the shelf life of the food.
- When storing food in the refrigerator make sure that foods are not too close to the rear wall to avoid the risk of freezing.
- It is suggested for radishes and other root vegetables to trim the leaves. This keeps the nutrition in the root and not absorbed by the leaves.
- Put frozen foods into the fresh food area to let them defrost. The low temperature of the refrigerator reduces the formation of bacteria and extends food life.
- Some foods like onions, garlic, bananas and root vegetables are better stored at room temperature than in the fridge.
- Melon, pineapples and bananas can go directly into the freezer after preparing, for storage over a longer period.
- Packaging fresh foods properly, using the correct temperature and taking into account food hygiene, will enhance the quality of fresh foods stored within this appliance.
- Use plastic bags, aluminium foil or other food wraps to cover fresh foods not in packaging to prevent flavour transfer and prevent contamination.
- Before storing items in multi-packs (i.e. yoghurt) remove any excess packaging.

⚠ **NEVER store anything that is flammable, volatile or explosive inside the appliance.**

- Beverages with high alcohol content should be stored vertically in tightly sealed bottles.
- Delicate foods should be stored in the coolest part of the appliance.
- Try not to open the door too often.
- Set the thermostat to make sure that foods remain suitably cold; try to avoid freezing within the fridge. Using a thermometer will help you to judge how cool the appliance is. Place it into a glass of water and leave it inside the appliance for several hours to get a reliable reading.
- Some foods contain natural oils and acids (e.g. citric acid) which can damage plastics if spilled – make sure these foods are suitably contained.
- Unpleasant odours inside the fridge are a sign that something has spilled and cleaning is required. Using warm water with bicarbonate of soda will clean the interior of the appliance and remove most spillages (see ‘Cleaning and Maintenance’).
- Always remember to remove perishable foods from this appliance before taking prolonged trips of holidays.

Tips on Freezing Food

- As with storing fresh foods, suitable packaging, correct temperature and food hygiene will enhance the quality of the food you are freezing.
- Avoid putting hot foods into the freezer. First let them cool until they reach room temperature.
- Make sure that all foods for freezing are of a high quality, and suitable for freezing.
- Use packaging material that is odourless and airproof (such as plastic bags) to store food in so different foods can be mixed without affecting the quality. Make sure that it is airtight. Leaking packaging will dehydrate the products and lead to loss of beneficial vitamins.
- Keep the surface of the packaging dry – this keeps the packs from freezing together.
- Mark packages with the kind of food contained and the date of storage.
- Food needs to be frozen quickly, so it is best to freeze small portions whenever possible and ensure that they are as cold as possible before storage. The recommended maximum weight for each portion is 2.5 kg.
- Keep food which is fresh away from food which is already frozen, if you need to freeze fresh food every day, make sure that it is in small portions to prevent this.
- Do not exceed the maximum load for freezing – which is given as 10 kg / 24-hours (see data badge for details).
- Write the expiry date and food names on the outside of the packaging so you can be assured of the food type and when it is safe to eat.
- Take food from the freezer to defrost when needed. Defrosted food cannot be refrozen unless it is cooked.
- Do not put too much fresh food into the freezer at once. This could go beyond the freezer's cooling capacity (see 'Technical Data').
- When storing commercially frozen foods, please follow these guidelines:
  - Always follow manufacturers' guidelines for the length of time you should store food for. Do not exceed these guidelines!
  - Try to keep the length of time between purchase and storage as short as possible to preserve food quality.
  - Buy frozen foods, which have been stored at a temperature of –18 °C or below.
  - Avoid buying food which has ice or frost on the packaging – This indicates that the products might have been partially defrosted and refrozen at some point – temperature rises affect the quality of food.
  - Should there be a power cut, or the fridge / freezer fail for any length of time, for more than 5 hours, you may need to remove food from the freezer and if possible store in another working freezer or a cold, hygienic place (i.e. garage or out house area) until the power is restored, or the appliance is repaired. To prevent undue temperature rise you should store the food in a cool box or wrap the food in layers of insulating material, such as newspaper, to help to maintain the temperature.
    It is important that any food that defrosts should be either consumed, or cooked and refrozen (where suitable) soon afterwards in order to prevent health risks.

4. Installation

Positioning Your Appliance

Choosing the Right Location

This appliance should be installed in a room that is dry and well ventilated. To provide adequate ventilation, make sure the refrigerator is at least 10 cm clear on all sides from kitchen cabinetry(Fig.4-1). Any units placed above the appliance must be clear by 10 cm to allow sufficient ventilation.

If locating the refrigerator close to a corner, sufficient spacing must be left for opening the doors and removing the shelves (Fig.4-2).

This appliance should be at least 100mm from any electric or gas cooker and 300mm from any coal or oil stove. If this is not possible, make sure that appropriate insulation is used.

Avoid exposing the appliance to direct sunlight, and sources of heat (such as radiators, heaters or cookers).

If this appliance is situated in a cold environment (such as a shed, outhouse or garage) it will affect its performance. You may find that the performance of the appliance is not consistent and this may damage foods. A consistent ambient temperature of 10°C or above is recommended.

Fig.4-1

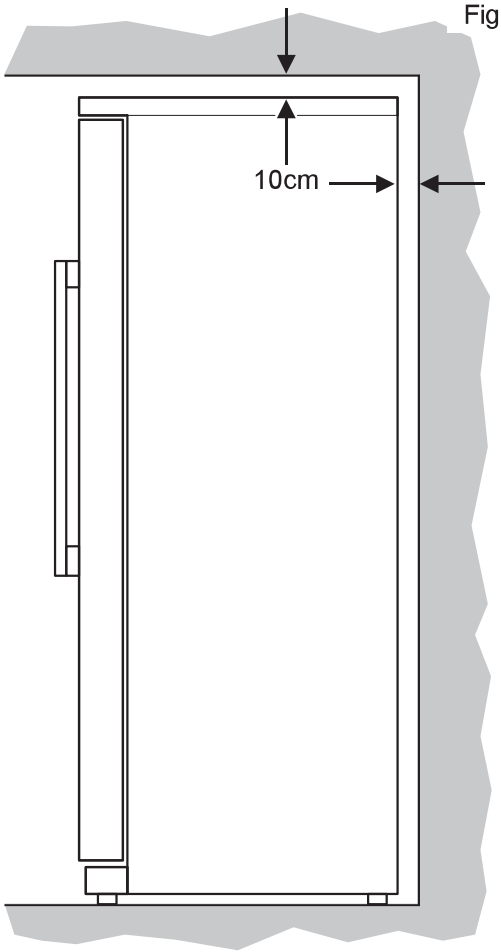
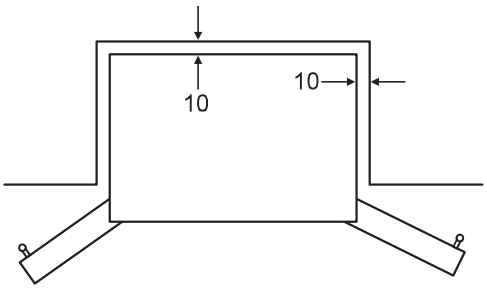
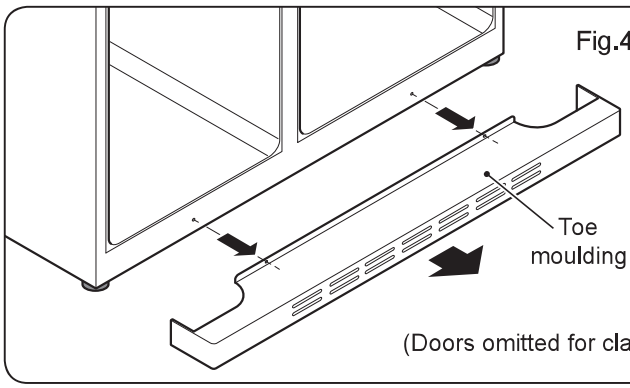


Fig.4-2



All dimensions in cm

Fig.4-3



(Doors omitted for clarity)

Fig.4-4

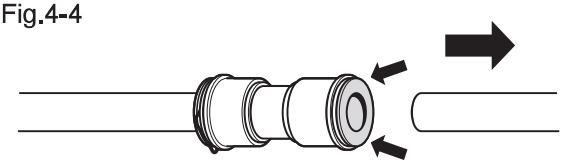


Fig.4-5

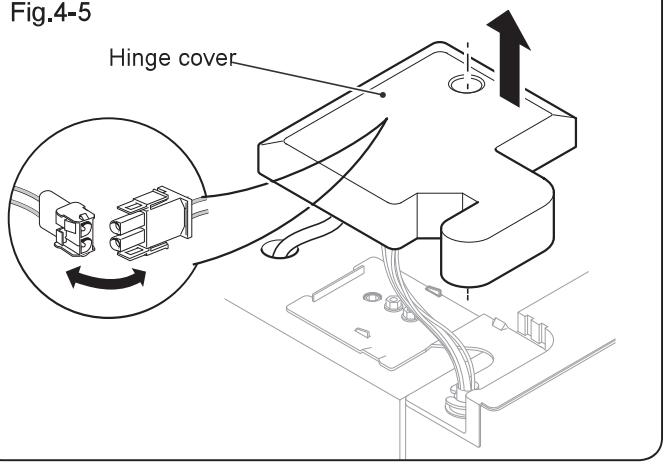


Fig.4-6

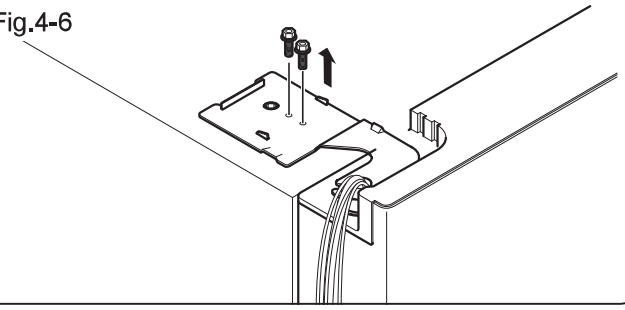


Fig.4-7

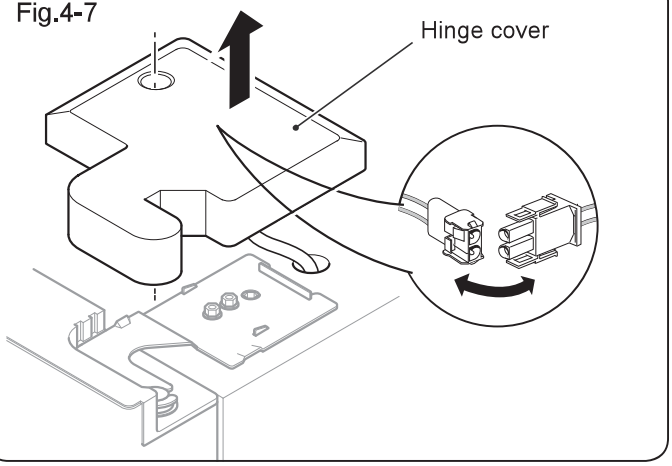
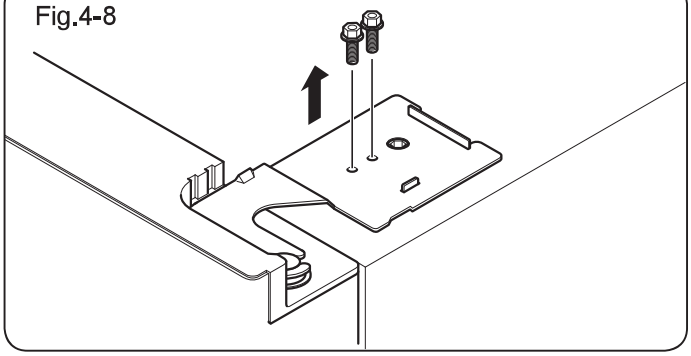


Fig.4-8



Removing and Installing the Doors

⚠ In the event that you need to remove the refrigerator doors, please follow the door removal and installation instructions below.

⚠ It is suggested, for your safety, to have two or more people to assist you in completing the below task to avoid injury, product damage or property loss.

Unscrew the 2 screws holding the toe moulding in position and remove(Fig.4-3).

Release the water coupler: press and hold in the collar as shown (Fig.4-4) and remove the water pipe.

Remove the top cap.

The Freezer Door

1. Undo the hinge cover screw and remove the cover (Fig.4-5). Disconnect all wires except for the grounding wire.
2. Undo the screws holding the upper hinge in position and then remove the hinge(Fig.4-6).
3. Lift the freezer compartment door to remove it. Next, lift the door enough to be able fully pull the water line out from the bottom.

The Fridge Door

1. Undo the hinge cover screws and remove the cover (Fig.4-7). Disconnect all wires except for the grounding wire.
2. Undo the screws holding the upper hinge in position and then remove the hinge(Fig.4-8).
3. Lift the refrigerator compartment door to remove it.

Refitting the Door

Refit the doors by reversing the removal steps.

Levelling the Fridge-freezer and Adjusting the Doors

Make sure that the appliance is on solid level flooring. If the refrigerator is placed on a plinth, flat, strong and fire resistant materials must be used.

This appliance has front adjustable feet, which can be used to level the appliance.

Insert a suitable flat screwdriver into the slots of the adjustable feet. Turn the screwdriver clockwise to raise the feet (Fig.4-9), and counter-clockwise to lower the feet (Fig.4-10).

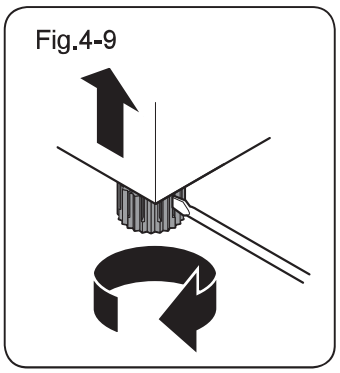


Fig.4-9

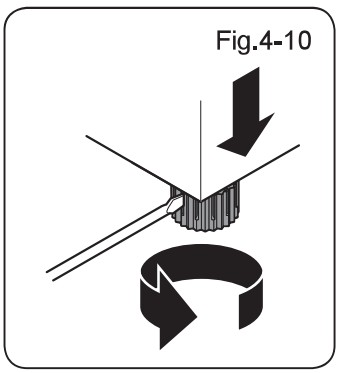


Fig.4-10

Levelling the Doors

The doors may require some alignment before connecting the fridge-freezer to the electrical supply. This can be done by adjusting the levelling feet (Fig.4-9 and Fig.4-10).

To raise the left-hand door turn the left-hand foot clockwise until it is level (Fig.4-11).

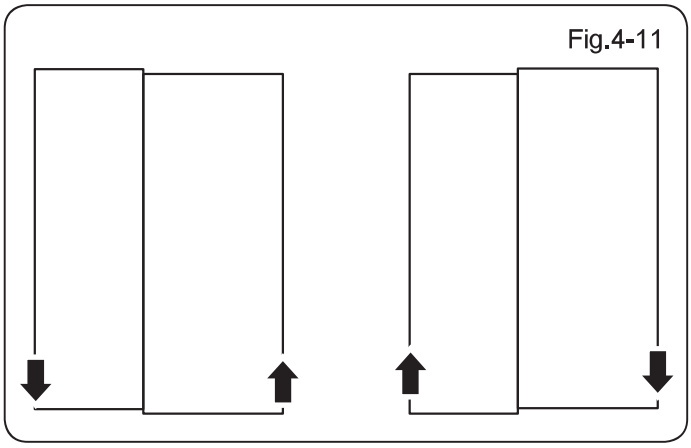


Fig.4-11

To raise the right-hand door, turn the right-hand foot clockwise until the it is level.

Fitting the Handles

The door handles fix onto the mounting studs already fitted to each door (Fig.4-12).

Use the Allen key from the instruction kit bag.

1. Place the handle firmly over the mounting studs.
2. Insert the grub screw into the hole located under each handle standoff bar.
3. Using the Allen key, tighten the grub screw fixing the handle to the door.
4. Fix the cover of top bolts to the right position.

Do not over-tighten the grub screw.

Electrical Supply Connection

Connect the appliance to the electrical supply (220-240 V ~ 50Hz) with the plug and lead, which are fitted.

Connections to the mains supply should be in accordance with local regulations.

⚠ The appliance must be plugged into an earthed socket.

⚠ Always make sure that the plug is accessible after the appliance has been positioned.

Fig.4-13

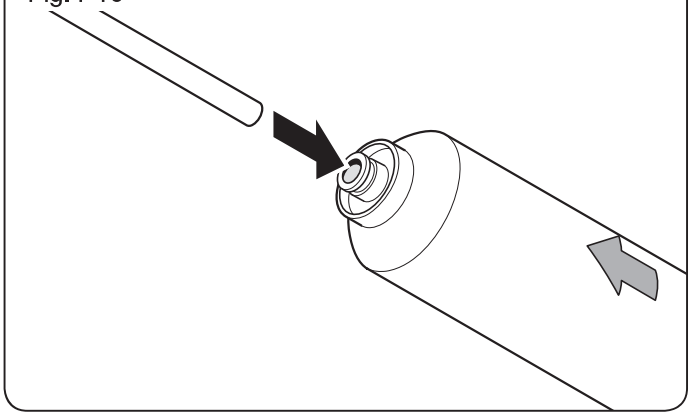


Fig.4-14

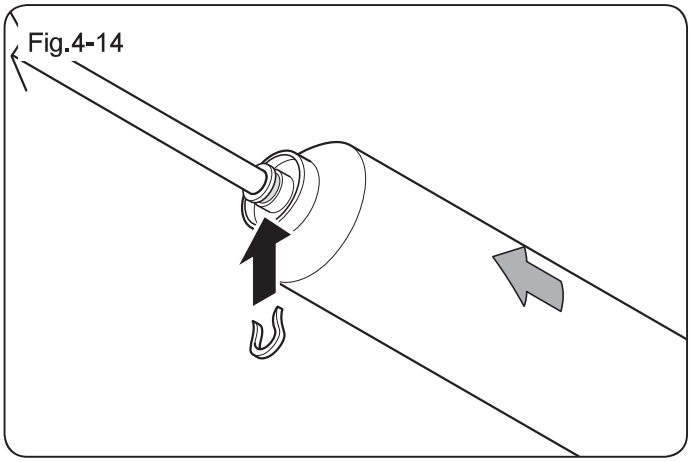


Fig.4-15

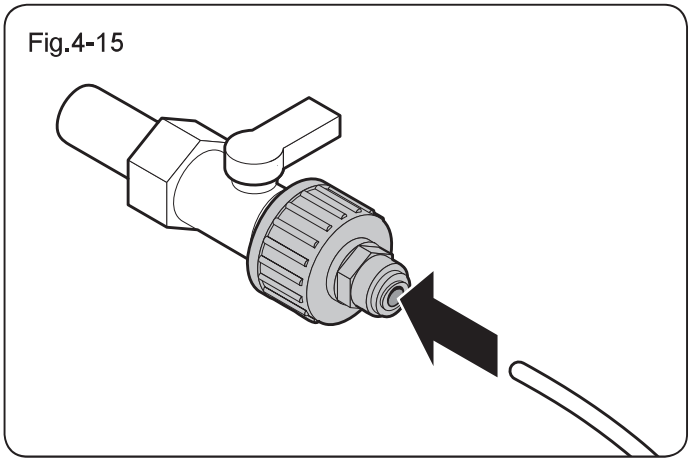
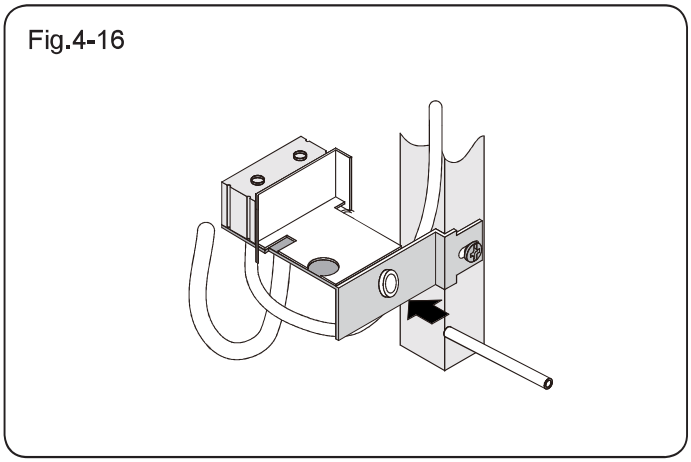


Fig.4-16



Water Supply Connection

⚠ It is recommended to have this product installed by a qualified technician.

Note: For further installation details refer to the instructions supplied with the water filter.

- Pressure of the cold water supplied to the automatic icemaker is between 0.15-0.6 Mpa.
- The water tube should be of an appropriate length, usually 8 metres, and should be free of bends after being inserted into place. If the water pipe is too long then the water pressure will be reduced, affecting the ice and cold water content.
- DO NOT connect to the water supply when the ambient temperature is below 0°C, otherwise the water pipe may freeze.
- Always connect to the drinking water supply.
- Keep the water pipe away from heat sources.
- The water filter is there to filter impurities in the water, and to make ice clean and hygienic. It cannot sterilise or destroy anything , so be certain to connect the water pipe to a drinkable water source.
- Automatic water system,do not manually add water.
- If the ice maker is turned on but the appliance is not connected to water,the ice maker will not work.

Fitting the Water Filter

Measure out and cut the length of pipe required from the filter to the Fridge-freezer, and from the filter to the water supply. Make sure that you achieve a square cut using a sharp knife.

Push fit one of the pipes into the water filter (Fig.4-13).

Secure the pipe to the filter by sliding a locking clip into the groove as shown(Fig.4-14).

Repeat the procedure on the other end of the filter.

Connect the end into the plastic adaptor(Fig.4-15). Screw the adaptor onto a suitable ½" BSP connector water outlet.

Access the water valve assembly at the back of the refrigerator. Push the pipe into the valve assembly (Fig.4-16).

Open the water valve to flush the pipe, check leakage in the water pipe joints and allow the water to run until it is clear.

Comissioning the Water Dispenser

Before first use, press the water dispenser pad several times for 1 minute. Do not press for more than 1 minute to prevent overheating of the pad activator solenoid. Cold water will begin to flow from the outlet.

5. Cleaning and Maintenance

Defrosting

Defrosting is done automatically so there is no need to manually defrost this appliance.

⚠ DO NOT use mechanical devices to accelerate the defrosting process.

Cleaning

⚠ Disconnect the appliance from the power supply before cleaning.

To keep internal odours to a minimum it is best to periodically clean the inside shelves, crispers, bins and wall.

Empty the appliance of food and remove the shelves.

Clean the interior using warm water and bicarbonate of soda with a soft cloth. Make sure that the interior is then dried carefully with a suitable cloth.

⚠ DO NOT use harsh abrasives, or aggressive cleaners as these can damage the interior of the appliance.

Shelves and other accessories (plastic and glass parts) can be cleaned in the sink using liquid dishwashing liquid and warm water. Make sure all soap is rinsed off and all parts are dry before replacing them inside the appliance.

Always keep the door seals clean.

⚠ The fridge is heavy. When moving the refrigerator be careful to protect the floor.Keep the refrigerator vertical and do not tilt the refrigerator – this prevents damage to the floor.

⚠ DO NOT spray or rinse the fridge with water or other liquids. This could harm the electrical parts.

⚠ Use a dry cloth when cleaning near the electrical parts (such as the light or switch).

⚠ DO NOT clean the fridge with a stiff or wire brush.

⚠ DO NOT use an organic solvent such as detergent, petrol, lacquer, thinners, acetone or acid.

⚠ To prevent your skin sticking to cold steel parts, make sure your hands are not wet when touching the parts.

⚠ DO NOT use HOT water to clean the glass shelves, as they may break or crack.

⚠ After installing a new water filter,discard all ice produced during the first 24 hours.

Shutting Off the Refrigerator

In the event of a power cut, food should remain safely cold for about 5 hours.

Should there be a prolonged power cut you may need to remove food from the freezer compartment and store it in a cold place, wrapped in layers of newspaper to preserve suitable temperatures.

Once power is restored replace the food back into the freezer compartment.

Should food begin to defrost, or the power cut last longer than expected, it is advised that you consume any food removed from the freezer.

If the power outage is short term, most foods can be left inside the freezer compartment – this is the best way of preserving temperature – and surrounded by ice cubes from the icebox. This is also an ideal solution for power outages you may have been pre-warned about.

When experiencing a power cut of any kind, do not add any extra foods to the freezer.

When Not in Use

If you are not using the appliance for an extended length of time, it is recommended that you switch off the electrical supply, empty any food out, clean the inside of the appliance and leave the door ajar. This will save energy, and also prevent a build up of stale odours inside.

Water Filter

To maintain water quality, the filter will need replacing from time to time. We recommend that the water filter is replaced every 6 months. However, if the water quality show signs of deterioration, either visually or in taste, then the filter should be changed sooner.

6. Troubleshooting

Before calling for service, please first read the following table: this could save you time and money.

Problem		Cause		Solution	
The temperature is too low					
1.1	The temperature inside the freezer is too low, with the fresh food temperatures fine.	1.1.1	The temperature inside the freezer section is set too low.	1.1.1.1	Set the temperature in the freezer slightly higher then wait 24 hours for new balance to be achieved.
1.2	The temperature inside the fresh food compartment is too cold, while the freezer sections are fine.	1.2.1	The temperature inside the fresh food area is set too low.	1.2.1.1	Set the temperature inside the fresh food section slightly warmer. The temperatures will reach new balance within 24 hours.
1.3	The foods stored in the full width pantry are frozen.	1.3.1	The control setting in the fresh food area is set too cold.	1.3.1.1	Set the fresh food control setting slightly higher. The new set point temperature will reach a balance within 24 hours.
1.4	The foods stored in the crisper are frozen.	1.4.1	The settings for the fresh food compartment are too cold.	1.4.1.1	Raising the fresh food control settings to a slightly higher temperature and/or lowering the humidity control setting will prevent frost or ice forming.
1.5	Readings on the dispenser display are showing error codes.	1.5.1	An electronic operating problem has been encountered.	1.5.1.1	Call your service engineer who can diagnose the problem and make correction.
The temperature is too high					
2.1	The freezer drawer sections or fresh food compartment temperatures are too high.	2.1.1	The doors are opened frequently or for too long each time.	2.1.1.1	Try to reduce the frequency of opening doors.
		2.1.2	The doors are left open.	2.1.2.1	Take extra care to keep gaskets sealing well around the perimeter of the doors. Keep gaskets clean and dirt free.
2.2	The temperature is too warm in the freezer but okay in the fresh food section.	2.2.1	The temperature setting in the freezer is set too warm.	2.2.1.1	Set the temperature colder for the freezer section. Then allow it to balance within 24 hours at new colder temperature.
2.3	The temperature is too warm in the fresh food section but okay in the freezer.	2.3.1	The temperature setting in the fresh food section is set too warm.	2.3.1.1	Set the food temperature control slightly colder. The new colder temperature can be achieved within 24 hours.
2.4	The temperature inside the crisper is too warm.	2.4.1	The fresh food set temperature is too warm.	2.4.1.1	Set the fresh food temperature colder and the balance to colder temperature will be achieved within 24 hours
Water, humidity or frost/ice in the fridge					
3.1	Moisture formation on the inside of the fridge.	3.1.1	It is in a hot or humid environment.	3.1.1.1	Try raising the temperature slightly in the affected compartment.
		3.1.2	The door is left open.	3.1.2.1	Check to make sure the door gaskets are clean and sealing well against the metal cabinet frame.
		3.1.3	The door or drawer is opened too frequently or for too long each time.	3.1.3.1	Reduce the frequency of door openings.
		3.1.4	Food containers or liquids are left open.	3.1.4.1	Let hot foods cool to room temperature and cover foods and liquids.
3.2	Water droplets collect in the lower crisper drawer areas.	3.2.1	Humidity settings are set too high.	3.2.1.1	It is normal for some wet air to collect inside the enclosed crisper. To reduce the accumulation of moisture, lower the humidity setting and/or raise the fresh food compartment temperature.

Problem		Cause		Solution	
3.3	Water forms at underside of the crisper glass covers.	3.3.1	Moisture given off from wet foods.	3.3.1.1	When placing foods in the fridge first pat them with a dry cloth to remove excess moisture.
		3.3.2	Door seal leaks or frequent door openings in humid environment.	3.3.2.1	Check the door gaskets and reduce door openings. Possibly raise fresh food temperature.
Water/humidity/frost on the outside of the fridge					
4.1	Wet air forms droplets of water on the outside edges of the fridge.	4.1.1	Warm, humid air in the environment mixes with cooler air at the door gasket areas of the fresh food and freezer compartments causing condensation.	4.1.1.1	A small amount of dew or water moisture is normal. It is best to wipe it down with a dry cloth to improve performance.
				4.1.1.2	A slight increase in the compartment temperatures can reduce this moisture formation.
				4.1.1.3	Check door gasket for proper seal and clean.
Automatic Ice maker					
5.1	The ice maker does not work properly.	5.1.1	Ice cubes are sticking together.	5.1.1.1	Take out the lump of ice cubes, crush it and then return only the separated ice cubes back to the ice cube container.
		5.1.2	Ice cubes may end up sticking together if stored too long.	5.1.2.1	See 5.1.1.1 above.
5.2	Ice cubes are too large or too small.	5.2.1	Ice maker water supply set incorrectly.	5.2.1.1	Adjust the ice maker water supply.
Cold water & ice dispenser					
6.1	Cold water not dispensing.	6.1.1	The freezer or refrigerator door is not fully closed.	6.1.1.1	Close all appliance doors.
			The water supply pipe is not open.		Open the water supply line all the way.
		6.1.2	The water filter is blocked.	6.1.2.1	Replace the water filter.
		6.1.3	The water line is blocked.	6.1.3.1	Check that the water tubes are not kinked or restricted.
6.2	The water has a strange odour.	6.2.1	The water has been stored too long without use.	6.2.1.1	Remove 7 cups of water and throw away. Check if the odour improves.
		6.2.2	The local potable water source is suspect.	6.2.1.2	Contact your local water supply company to check quality of the water.
6.3	Ice not dispensing.	6.3.1	The freezer or refrigerator door is not fully closed.	6.3.1.1	Close all appliance doors.
		6.3.2	No ice cubes in the container	6.3.2.1	Wait until ice cubes are supplied.
		6.3.3	Freezer temperature set too high.	6.3.3.1	Lower the freezer temperature to improve the ice cube maker performance.
6.4	Dispenser is jammed	6.4.1	Defrosting water has frozen on the spindle.	6.4.1.1	Remove the container. Clean and dry the spindle. Replace the container.
		6.4.2	Ice cubes are jammed between the ice maker and container.	6.4.2.1	Remove the ice cubes between the ice maker and container.
		6.4.3	Ice cubes are sticking together.	6.4.3.1	Take out the lump of ice cubes, crush it and then return only the separated ice cubes back to the ice cube container.
		6.4.4	Other ice cubes were placed in the dispenser.	6.4.4.1	Only ice cubes produced by the ice maker can be used in the dispenser.

Problem		Cause		Solution	
The fridge has a bad odour					
7.1	The inside of the fridge is dirty.	7.1.1	The inside walls, shelves, and door bins need cleaning	7.1.1.1	Clean all inside surfaces with warm water and a clean soft damp cloth then wipe dry.
		7.1.2	Food in the fridge has been stored beyond its useful life.	7.1.2.1	Wrap and cover foods to extend useful food life.
The door is hard to open and/or close					
8.1	The door has a closing problem.	8.1.1	The door may have food articles or packages that are obstructing closure.	8.1.1.1	Reposition the shelves, door bins, or internal containers to allow the door to close.
		8.1.2	The level of the refrigerator is causing the door to shift out of position.	8.1.2.1	Make sure the floor is level using sturdy materials that are also non flammable.
		8.1.3	The door could be hitting against adjacent cabinets or appliances.	8.1.3.1	Provide a good 25mm (1") clearance on all 3 sides and on top of the cabinet so doors can open and close freely.
General					
9.1	The compressor does not work.	9.1.1	The refrigerator is in deep freeze cooling	9.1.1.1	This is normal for a refrigerator that goes into deep freeze automatically. The period of deep freeze cooling lasts about 30 minutes.
		9.1.2	The refrigerator is not powered on.	9.1.2.1	Make sure the plug is inserted all the way into the power outlet.
				9.1.2.2	Has the circuit breaker tripped? Check and change to a new 13A fuse and/or reset the circuit breaker.
				9.1.2.3	Check the electrical supply to the room. Call the local electricity company.
9.2	The fridge operates frequently or operates for a long time.	9.2.1	The room temperature or ambient temperature is high.	9.2.1.1	It is normal for the fridge to operate continuously.
		9.2.2	The ice maker is in operation.	9.2.2.1	This is normal – the ice maker adds extra work load in the refrigerator.
		9.2.3	The doors are frequently opened and closed.	9.2.3.1	Try to reduce frequency of door or drawer openings.
		9.2.4	The control settings in the freezer and fresh food compartments are set to cold level.	9.2.4.1	Raise up the compartment temperatures slightly and allow 24 hours to reach new balance.
		9.2.5	Door seals may be dirty, frayed or cracked.	9.2.5.1	Clean off the gaskets and/or heat slightly with hair dryer so gasket takes contour of metal frame.
9.3	The compressor frequently cycles on and off.	9.3.1	The compartment temperature sensors keep the fridge at the set points causing the compressor to cycle.	9.3.1.1	This is normal. The fridge compressor will provide the required cooling level.
10.1	The light is out.	10.1.1	The light switch is blocked somehow with debris or food particles	10.1.1.1	Disconnect the power supply cord plug. Locate the light switch on the food liner wall and move it to see if pressing the switch in and out a few times can dislodge the food.
		10.1.2	The fridge power is off.	10.1.2.1	Make sure the power cord plug is fully engaged into the wall outlet socket.
11.1	A beeping noise from inside the fridge or freezer.	11.1.1	A door is open for over 60 seconds.	11.1.1.1	This is normal and will repeat every 1 minute until the door is closed.

7. Technical Data

Ratings

Model	HSBS610IS
Electrical – voltage / frequency	220-240V 50Hz
Climate class	T
Freezer compartment star rating	*/***
Refrigerant	R600a 80g
Gross capacity	610 litres
Net capacity	550 litres
Net capacity – refrigerator compartment	375 litres
Net capacity – freezer compartment	175 litres
Freezer capacity / 24 hours	10kg / 24 hours
Energy consumption / year	420kW·h / year
Energy consumption (EN153)	1.15kW·h / 24h
Maximum noise level	42dB(A)
Maximum storage time by power failure	5 hours
Ice making capacity	1 kg/24h