



# ***INTEGRATED REFRIGERATOR-FREEZER***

**FROST-FREE**



MODEL: CASAFI439W

## **USER MANUAL**

Please read this manual carefully before using, and keep it for future reference.

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# IMPORTANT SAFETY INFORMATION

- In the interest of your safety and to ensure the correct use, before installing and first using the appliance, read this user manual carefully, including its hints and warnings.
- To avoid unnecessary mistakes and accidents, it is important to ensure that all people using the appliance are thoroughly familiar with its operation and safety features.
- Save these instructions and make sure that they remain with the appliance if it is moved or sold, so that everyone using it through its life will be properly informed on appliance use and safety.
- For the safety of life and property keep the precautions of these user's instructions as the manufacturer is not responsible for damages caused by omission.
- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur.
- 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.
  - bed and breakfast type environments.
  - catering and similar non-retail applications.


## Children and Vulnerable People Safety

- 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 should be supervised to ensure that they do not play with or enter the appliance the appliance.
- Cleaning and user maintenance shall not be made by children unless they are aged from 8 years and above and supervised.
- Keep all packaging well away from children. There is risk of suffocation.
- If you are discarding the appliance pull the plug out of the socket, cut the connection cable (as close to the appliance as you can) and remove the door to prevent playing children to suffer electric shock or to close themselves into it.
- If this appliance featuring magnetic door seals is to replace an older appliance having a spring lock (latch) on the door or lid, be sure to make that spring lock unusable before you discard the old appliance. This will prevent it from becoming a death trap for a child.

# IMPORTANT SAFETY INFORMATION

## General Safety

### SAFETY WARNINGS

 **IMPORTANT!** For electrical connection carefully follow the instructions given in specific paragraphs.

- Check if the voltage indicated on the appliance corresponds to the local mains voltage before you connect the appliance.
- Ensure that the electric outlet is properly earthed to ground.
- If the mains socket is loose, do not insert the power plug.
- There is a risk of electric shock or fire.
- Make sure that you can access to the mains plug of the appliance.
- DO NOT use an extension cord or adapter plug. Power cord must not be lengthened.
- Make sure that the power plug is not squashed or damaged by the back of the appliance. A squashed or damaged power plug may overheat and cause a fire.
- DO NOT pull the power cord or bend it excessively. DO NOT hook the power cord over a metal object, place a heavy object on it, insert the power cord between objects, or push the power cord into the space behind the appliance.
- When moving the appliance, be careful not to roll over or damage the power cord.
- Any damage to the cord may cause a short circuit, fire and-or electric shock.
- Any electrical components (plug, power cord, compressor and etc.) must be replaced by a certified service agent or qualified service personnel.
- Unplug the appliance before cleaning and before changing the light bulb.
- Put the appliance in a dry place, avoiding areas of high moisture or humidity.
- The appliance must not be located close to fires, radiators or cookers.
- DO NOT stand on top of the appliance or place objects (such as laundry, dishes, chemicals, metal objects, lighted cigarettes, lighted candles, etc.) on the appliance.
- It is dangerous to alter the specifications or modify this product in any way.



 **WARNING! Risk of Fire / Flammable Materials**

- The refrigerant isobutane (R600a) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable.
- Avoid safety hazards by carefully installing, handling, servicing and disposing of this appliance.
- DO NOT damage the refrigerant circuit during transportation and installation.
- Keep ventilation openings, in the appliance enclosure or in the built & in structure, clear of obstruction.
- Refrigerant leaking may cause eye injuries or ignite.
- If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
- Never throw the product into fire for disposal.

# IMPORTANT SAFETY INFORMATION

## Transportation and Site Warnings

### IMPORTANT!

- This appliance is heavy. Care should be taken when moving it.
- During transportation and installation of the appliance, be certain that none of the components of the refrigerant circuit become damaged.
- Avoid open flames and sources of ignition.
- Adequate air circulation should be around the appliance, lacking this leads to overheating. To achieve sufficient ventilation, follow the instructions relevant to installation.
- Wherever possible the spacers of the product should be against a wall to avoid touching or catching warm parts (compressor, condenser) to prevent possible burn.
- DO NOT install in unprotected, humid, oily or dusty location, or in a location exposed to direct sunlight or water (rain drops).
- If the product has been transported horizontally, you must wait for 4 hours minimum before plugging it in.

## Installation Warnings

### IMPORTANT!

- Unpack the appliance and check if there are damages on it.
- DO NOT connect the appliance if it is damaged. Report possible damages immediately to the place you bought it. In that case retain packing.
- It is advisable to wait at least 4 hours before connecting the appliance to allow the oil to flow back in the compressor.
- Make sure that the mains plug is accessible after the installation of the appliance.
- Allow sufficient space around the appliance and install it on a flat surface.

## Daily Use

### CAUTION!

- DO NOT remove or touch items from the freezer compartment if your hands are damp-wet, as this could cause skin abrasions or frost-freezer burns.
- DO NOT use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- DO NOT use other electrical appliances (such as ice cream makers) inside of refrigerating appliances, unless they are approved for this purpose by the manufacturer.
- You must not operate the appliance without the lamp.
- DO NOT touch the light bulb if it has been on for a long period of time because it could be very hot.<sup>1)</sup>
- The light bulb supplied with this appliance is a “*special use lamp bulb*” usable only with the appliance supplied. This “*special use lamp*” is not usable for domestic lighting.<sup>1)</sup>

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<sup>1)</sup> If there is a light in the compartment.

# IMPORTANT SAFETY INFORMATION

- DO NOT store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- DO NOT block the air holes, especially with like plastic bag.
- DO NOT put hot on the plastic parts in the appliance.
- DO NOT place food products directly against the rear wall. Wrap food up properly or place it in airtight containers before putting it into the appliance.
- Frozen food must not be re-frozen once it has been thawed out.<sup>1)</sup>
- Store pre-packed frozen food in accordance with the frozen food manufacturer's instructions.<sup>1)</sup>
- DO NOT place carbonated or fizzy drinks in the freezer compartment as it creates pressure on the container, which may cause it to explode, resulting in damage to the appliance.<sup>1)</sup>
- DO NOT put bottles or glass containers in the freezer compartment.
- Ice lollies can cause frost burns if consumed straight from the appliance.<sup>1)</sup>
- Appliance's manufacturer's storage recommendations should be strictly adhered to. Refer to relevant instructions.

## For Products with a Water Dispenser/Ice Machine

- Operating pressure for cold water inlet is between 1-5.5 bars.
- If the water pressure exceeds 80 psi (5.5 bars), install a pressure limiting valve to your mains system.
- If the mains pressure is lower than 1 bar, you can use an auxiliary pump to compensate the low pressure.
- If you do not know how to check the water pressure, please consult a professional plumber.
- If there is a risk of water impact in your installation, always use a water impact protection equipment in that installation.
- Please consult professional plumbers if you are not sure if there is water impact in your installation.
- Do not make installation on the hot water inlet.
- Take the necessary measures against the freezing risk of the hoses.
- The water temperature operating range must be 0.6°C minimum and 38°C maximum.



**WARNING:** If the water pressure exceeds 80 psi, install a pressure limiting device or water impact protector to the inlet valve. Never install the product or operate the appliance if it is possible for the water pressure to exceed 120 psi.

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<sup>1)</sup> If there is a freezer compartment.

# IMPORTANT SAFETY INFORMATION

## CLEANING AND MAINTENANCE

### CAUTION!

- Before cleaning and performing maintenance, switch off the appliance and disconnect the mains plug from the mains socket, take out the food and store in a cool location.
- DO NOT clean the appliance with stainless steel cleaners, abrasive pads or other metal objects as they are likely to scratch the surface.
- Never use hot water, solvents, aerosol cleaners, strong detergents, scourers, caustic or abrasive cleaners etc. Clean with a soft cloth.
- DO NOT clean by spraying water or liquid directly onto the appliance.
- DO NOT use sharp objects to remove frost from the appliance. Use a plastic scraper.<sup>1)</sup>
- Regularly examine the drain in the refrigerator for defrosted water. If necessary, clean the drain.
- If you will be away for a very long period of time (3 weeks or more), empty the appliance including ice bucket, unplug the appliance, wipe excess moisture from the inside walls, and leave the doors open to prevent odors and mold.

## Service

- Any electrical work required to do the servicing of the appliance should be carried out by a qualified electrician or competent person.
- This product must be serviced by an authorized Service Center, and only genuine spare parts must be used.

## Saving Energy

- Installing the appliance away from heat sources and not exposed to direct sunlight and in a well-ventilated room.
- DO NOT put hot food in the appliance.
- DO NOT pack food close together as this prevents air circulating.
- Make sure food do not touch the back of the compartment(s).
- If electricity goes off, do not open the door(s).
- DO NOT open the door(s) frequently.
- DO NOT keep the door(s) open for too long time.
- DO NOT set the thermostat on exceeding cold temperatures.
- Some accessories, such as drawers, can be removed to get larger storage volume and lower energy consumption.
- Remove dust present on the rear of the appliance.
- If two coolers are to be installed side by side, there should be at least 4 cm distance between them.

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<sup>1)</sup> If there is a freezer compartment.

# INFORMATION CONCERNING DISPOSAL

You can help protect the environment!

## **CORRECT DISPOSAL OF THIS APPLIANCE**


1. Disconnect the mains plug from the mains socket.
2. Cut off the mains cable and discard it.
3. Take off the doors.
4. Leave the shelves in place so that children may not easily climb inside.
5. Children or animals should be supervised to ensure that they do not play with or enter the appliance.

This appliance does not contain gasses which could damage the ozone layer, in either its refrigerant circuit or insulation materials. The appliance shall not be discarded together with the urban refuse and rubbish. The insulation foam contains flammable gases: the appliance shall be disposed according to the appliance regulations to obtain from your local authorities. Avoid damaging the cooling unit, especially the heat exchanger. The materials used on this appliance marked by the symbol  are recyclable.



The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead, it should be taken to the appropriate collection point for the recycling of electrical and electronic equipment. 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 by inappropriate waste handling of this product. 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.

## **Disposal of Packaging Materials**

The materials with the symbol  are recyclable.

Dispose the packaging in a suitable collection container to recycle it.

Do not dispose the packaging materials with normal domestic waste or other types of waste.

# TECHNICAL SPECIFICATIONS

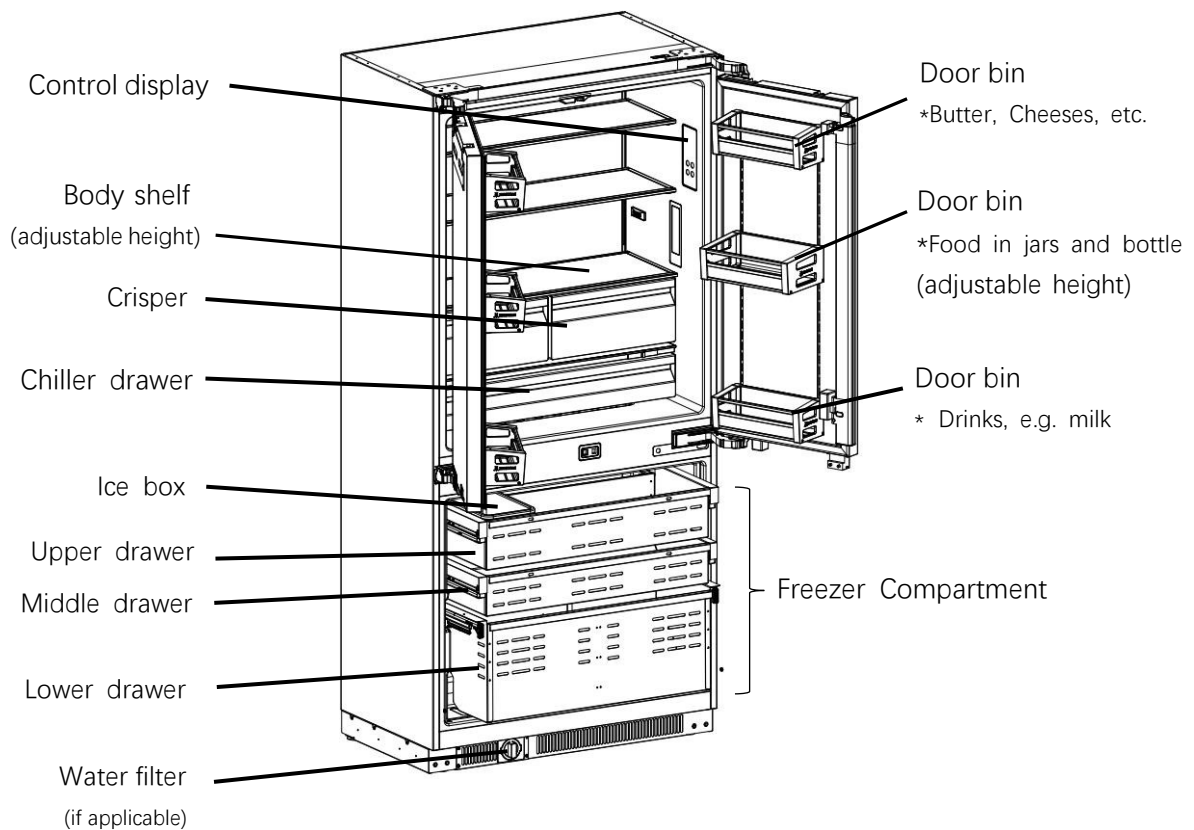
<b>MODEL</b>	CASAFI439W
<b>CLIMATE CLASS</b>	T
<b>ANTI-ELECTRIC SHOCK</b>	I
<b>RATED VOLTAGE</b>	220-240V~
<b>RATED FREQUENCY</b>	50Hz
<b>RATED CURRENT</b>	3.0A
<b>DEFROST INPUT</b>	275W
<b>LAMP POWER</b>	15W
<b>REFRIGERANT</b>	R600a (68g)
<b>BLOWING AGENT</b>	C-pentane
<b>NOSIE LEVEL</b>	39dB (A)
<b>NET CAPACITY TOTAL</b>	439L
<b>NET CAPACITY FRIDGE</b>	257L
<b>NET CAPACITY FREEZER</b>	161L
<b>NET CAPACITY CHILL</b>	21L
<b>INSTALLATION</b>	Built-in
<b>FROST FREE</b>	Yes
<b>ENERGY RATING</b>	3 Stars
<b>UNIT DIMENSIONS</b>	W893xD560xH1920(mm)
<b>NET WEIGHT</b>	155KGS

# PRODUCT FEATURES

## Dual Cooling System

Your refrigerator is equipped with two separate cooling systems to cool the fresh food compartment and freezer compartment. Thus, the air and odor in the fresh food compartment and the frozen food compartment do not get mixed.

Thanks to these two separate cooling systems, cooling speed is much higher than that of other refrigerators. Also, additional power saving is provided since the defrosting is performed separately.



Note: Above picture is for reference only. The actual appliance maybe slightly different.

# INSTALLING YOUR NEW REFRIGERATOR-FREEZER

Seek the help of another individual, or two, when installing this appliance.

This appliance may have sharp edges. Wear adequate PPE and eye protectors for the task and environment.

We strongly recommend that a professional builder/cabinetmaker builds this unit into purpose built cabinetry in the customer's kitchen.

**FOR DETAILED INSTALLATION GUIDE, PLEASE REFER TO THE INSTALLATION MANUAL.**

## Installation Place

You must follow the instructions below:

1. The floor on which the product will be installed must be capable of bearing 1,200 pounds (544 kg) minimum.
2. Kitchen floor and the bottom of the product must be at the same level. Otherwise, problems may occur with the air suction of the product.
3. There must be no objects preventing the installation of the product at the back and on the side walls of the product's installation place.
4. The power socket must be at the correct place.
5. Dimensions of the furniture where the product will be installed must be in strict conformity with the dimensions given in the manual.
6. Flatness of the floor where the product will be installed must be checked with a Bubble Level Tool.
7. The appliance should be installed well away from sources of heat such as radiators, boilers, direct sunlight etc. The cooling system at the rear of the appliance must not touch the rear wall.
8. The ambient temperature must be between 10°C and 43°C. Otherwise, function errors may arise when the product is running.
9. If it is not possible to avoid installing the product near a heat source, the minimum clearances given below must be maintained between the product and the said source:
  - 5 cm from electric hobs or ovens
  - 30 cm from gas or fuel operated hobs or oven

**Warning!** It must be possible to disconnect the appliance from the mains power supply; the plug must therefore be easily accessible after installation.

## Ventilation

The main consideration when installing any refrigeration unit into a fixed kitchen is ventilation. The heat removed from the cooling compartment needs to be dissipated into the atmosphere. Incorrect ventilation can lead to premature compressor failure, excessive power consumption, total system failure and may invalidate the warranty provided with the appliance. For products intended to be installed into a tall housing unit, the following requirements need to be met:

The open channel at the rear is clearly shown. For the correct operation of the appliance, it is important that the top of the housing unit is not blocked off.

A ventilation hole is required in the plinth of the unit; this allows air to be drawn over the compressor & heat exchange.

As a rule, the more air that can get in and out, the better and more efficient the operation of the product.

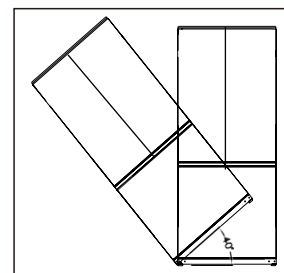
# INSTALLING YOUR NEW REFRIGERATOR-FREEZER

## Space Requirement

Dimensions of the furniture where the product will be installed must be in strict conformity with the dimensions given in the **INSTALLATION MANUAL**.

## Levelling the Refrigerator-Freezer

- To ensure the appliance is level, you should use the height adjustable feet at the front of the appliance.
- If the unit is not level, the doors and magnetic seals alignments will not be covered properly.
- Do not tilt beyond 40°.



## Ensuring the door seals correctly

It is normal for the seal to be compressed after the door has been reversed. With the door closed, use a hair dryer to expand the seal and fill the gap between the door and the body of the appliance. Take care not to use the hair dryer too close to the appliance, which could damage the seal. A distance of approximately 10cm should be adequate. When completed, allow the seal and door to cool before touching them. Once done, the seal should remain in position.

## Ambient Temperature

- The appliance is designed for a specific climate class. Depending on the climate class, the appliance can be operated at the following temperatures.
- The climate class can be found on the rating plate.
- 

Climate class	Ambient temperature
<b>SN</b>	<b>+ 10°C to +32°C</b>
<b>N</b>	<b>+ 16°C to +32°C</b>
<b>ST</b>	<b>+ 18°C to +38°C</b>
<b>T</b>	<b>+ 18°C to +43°C</b>

## Electrical Connection

Before plugging in, ensure that the voltage and frequency shown on the rating plate correspond to your domestic power supply. The appliance must be earthed. The power supply cable plug is provided with a contact for this purpose. If the domestic power supply socket is not earthed, connect the appliance to a separate earth in compliance with current regulations, consulting a qualified electrician.

The manufacturer declines all responsibility if the above safety precautions are not observed. This appliance complies with the E.E.C. Directives.

# USING YOUR REFRIGERATOR-FREEZER

## Before First Use

You must allow the fridge to settle for at least 4 hours prior to switching the power on.

Operate the refrigerator for 6 hours without placing any food in it and do not open its door unless it is necessary.

- **Cleaning the Interior**-It is recommended that you clean the interior of the appliance prior to first use, using a solution of bicarbonate of soda and warm water and then thoroughly drying the interior.
- **Important!** DO NOT use detergents or abrasive powders, as these will damage the finish.
- The fridge may have an odor to it at first use. This will disappear as the appliance cools.

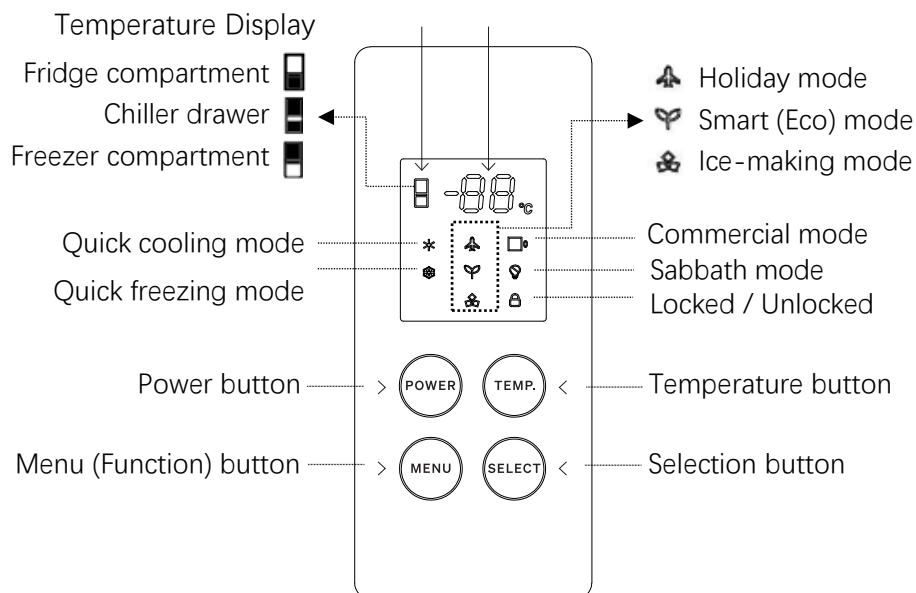
### Please note:

- If the appliance is switched off, you should allow 5 minutes before switching it on again to prevent unnecessary damage to the compressor.
- Never store inflammable or explosive items and strong corrosive acids or alkalis in the appliance.
- This fridge cools your food by making the inside back of the cavity cold. It is normal for frost to build up on this surface; it then dissipates and drains through a small drain at the bottom, where it evaporates harmlessly. The presence of frosting at the back is not a malfunction of the fridge.

### Important!


- You will hear a noise when the compressor starts up. The liquids and gases sealed within the refrigeration system may also give rise to noise, even if the compressor is not running and this is quite normal.
- Front edges of the refrigerator may feel warm. This is normal.
- These areas are designed to be warm to avoid condensation.


## Using the Control Panel




# USING YOUR REFRIGERATOR-FREEZER


## 1. Switching function

In the Power-OFF state, press and hold the Power Button  for 3 seconds, the display will light up and enter the ON state;

In Power-On state, non-locked mode, press and hold the Power button  for 3 seconds, the display goes off and enters the power-off state.

## 2. Temperature setting function

1) Under the non-locked state, short operation of the “Selection button  ” to select the corresponding temperature zone: **Fridge->Chiller->Freezer->Fridge** .....

2) At the same time, the digital tube flashes to show the set temperature of the corresponding temperature zone, and the set temperature can be changed within 5 seconds by short operation of the “Temperature button  ”.


- Fridge setting range: 2 ~ 8°C
- Chiller setting range: -1 ~ 3°C
- Freezer setting range: -15 ~ -25°C

No key operation within 5 seconds, the setting takes effect.

## 3. Menu (Function) Setting

1) Non-locked state, short operation “Function button  ”, select the corresponding function:


**Quick Cooling** \* ->**Holiday**  ->**Quick Freezing**  ->**Smart**  ->**Sabbath**  ->  
**Ice-making**  ->**Quick Cooling** \* .....

2) At the same time, the corresponding function icon flashes, and the corresponding function is determined within 5 seconds by short operation of the “Selection button  ”.

->**Quick Cooling** (Fridge runs at 2°C for 24 hours and then exits Quick Cooling and returns to the previous setting)  
->**Holiday** (Fridge runs at 17°C, freezer runs at -18°C)  
->**Quick Freezing** (Freezer runs at -25°C for 24 hours and then exits Quick Freezing and returns to the previous setting)  
->**Smart (Eco Mode)** (Fridge at 6°C, Chiller at 3°C, Freezer at -16°C)  
->**Sabbath** (only the lights and sound are all off, the rest of the refrigerator runs normally according to the default settings)  
->**Ice making** (the icon of ice maker lights up to turn on the ice maker to make ice automatically, the icon of ice maker goes out to stop making ice)

## 4. Locked / Unlocked



In the locked state, press and hold the “Select button  ” for 3 seconds to enter the unlocked state.

In the non-locked state, press and hold the “Select button  ” for 3 seconds to enter the locked state.

No key operation for 30 seconds, automatically enter the locked state.

# USING YOUR REFRIGERATOR-FREEZER

## 5. Key combination

Operate the “Function button  ” + “Temperature button  ” at the same time for 5 seconds to enter the forced frost mode;

Simultaneously operate the “Function button  ” + “Select button  ” for 5 seconds to enter the commercial mode  at -15°C automatically.

## 6. Fault display

This appliance has ‘fault display & alarm’ function. Once the sensors got fault, there are alarms displayed on the temperature displaying, the appliance still cools but professional service engineer should be called and check the appliance.

F1	Sensor of fridge defrosting zone
C1	Sensor of chiller zone
C2	Sensor of chiller defrosting zone
F4	Sensor of freezer compartment
F5	Sensor of freezer defrosting
F6	Sensor of Ambient Temperature
1E	Refrigerator fan failure
2E	Freezer fan failure
3E	Condensing fan failure
CE	Malfunction of communications
dR	Open the door timeout

## 7. Operating temperature

Freezer	Fridge	Remarks
-18°C	4°C	This is the recommended normal setting.
-20°C	3°C	These settings are recommended when the ambient temperature is above 30°C.
Quick Freezing	4°C	Use when you wish to freeze your food in a short time. Your refrigerator will return to its previous mode when the process is over.
-25°C	2°C	Use these settings if you think that your fridge compartment is not cold enough because of the hot ambient conditions or frequent opening and closing of the door.
-18°C or colder	Quick Cooling	Use this function when you place too much into the fridge compartment or when you need to cool your food quickly. It is recommended that you activate Quick cooling function 4-8 hours before placing the food.

### Recommended Operating Temperature:

- Fridge: 4°C , Freezer: - 18°C

# USING YOUR REFRIGERATOR-FREEZER

## Daily Use

### Freezing fresh food

- The freezer compartment is suitable for freezing fresh food and storing frozen and deep-frozen food for a long time.
- Place the fresh food to be frozen in the bottom compartment.
- The maximum amount of food that can be frozen in 24 hours is specified on the rating plate.
- The freezing process lasts 24 hours; during this period do not add other food to be frozen.

### Storing frozen food

When first starting-up or after a period out of use, before putting the product in the compartment let the appliance run at least 6 hours on the higher settings.

**Important!** In the event of accidental defrosting, for example the power has been off for longer than the value shown in the technical characteristics chart under "rising time", the defrosted food must be consumed quickly or cooked immediately and then re-frozen (after cooked).

### Thawing

- Deep-frozen or frozen food, prior to be used, can be thawed in the fridge compartment or at room temperature, depending on the time available for this operation.
- Small pieces may even be cooked still frozen, directly from the freezer. In this case, cooking will take longer.

## ACCESSORIES

### Movable shelves

The walls of the refrigerator are equipped with a series of runners so that the shelves can be positioned as desired.

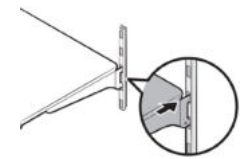
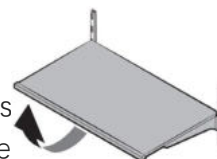
To move the shelf, lift up the rear section and then pull it outwards.

To replace, slide the shelf back into the slot, and then lower the rear section.

**Important note:** Use care when handling glass shelves to prevent breakage or scratching the interior.

**Attention:** -The door may not be closed if the door shelves are positioned at the same level as glass shelves. Make sure than the door is closed after placing the shelves.

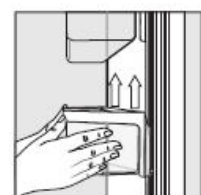
-You must wait for the glass shelves to reach room temperature before immersing them in water for cleaning.



### Positioning the door bins

To permit storage of food packages of various sizes, the door bins can be placed at different heights.

To make these adjustments proceed as follows: gradually pull the bin in the direction of the arrows until it comes free, then reposition as required.



# USING YOUR REFRIGERATOR-FREEZER

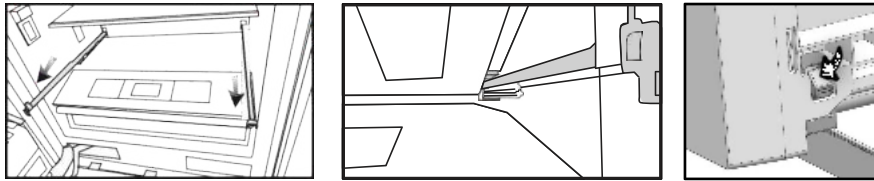
## Crisper compartment

To remove the crisper

- Pull the crisper until it stops. Slightly unclip the front section of the drawer and take it out completely.

To install the crisper

- Pull the rails completely. Place the gap at the rear corners of the crisper to the detail located at the rear corners of the rails.
- Push the crisper slowly down until you feel it clip front onto the rails.



**Important!** Make sure that the details at the right and left-hand sides are fixed when installing the crisper.

Never leave the vegetables in their plastic bags in the crisper. If they are left in their plastic bags they will rot in a short period of time.

**Tips!** The crisper compartment preserves the humidity of your vegetables, allowing you to store them for a long time without having to keep them in their bags.

If you do not prefer the vegetables to get into contact with other vegetables due to hygienic reasons, you can use perforated paper, foam or a similar material instead of plastic bags.

While the vegetables are being replaced, their specific weights should be taken into consideration. Heavy and hard vegetables must be placed at the bottom of the crisper and light and soft vegetables must be on the upper part.

Pears, kiwis, tomatoes, cucumbers, apricots, peaches, broccolis, lettuces, cabbages, parsley and spinach are fruits and vegetables that emit ethylene gas.

Do not place them into the same crisper with other fruits and vegetables.

The ethylene gas emitted by these foods cause other fruits and vegetables to ripen sooner and to rot in a shorter span of time.

Do not remove the main body of the crisper from the refrigerator separately unless you have to do so.

## Chiller drawer

The temperature inside the chiller drawer can be regulated from  $-1^{\circ}\text{C}$  to  $+3^{\circ}\text{C}$ . You can control the temperature in this section to store your food such as fish, meat, vegetables and delicatessen products for a longtime.

Chiller drawer temperature is usually colder than the refrigerator fresh food compartment, but not as cold as the freezer frozen food compartment. Foods will freeze if stored in the chiller drawer for extended periods of time. An example of foods to store in this area would be meats that are to be prepared in the next few days.

**Important!** Removal / Installation procedures of the special fridge compartment are same as that of the crisper.

# USING YOUR REFRIGERATOR-FREEZER

## Freezer Crisper

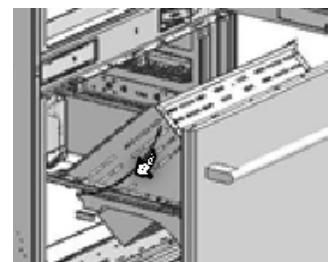
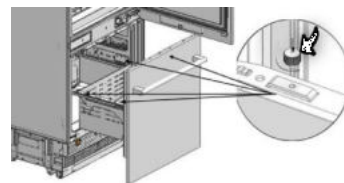
The freezer compartment store your foods at a temperature between  $-25^{\circ}\text{C}$  and  $-15^{\circ}\text{C}$  to keep them fresh for a long time.

To remove the crisper

- Open the freezer door until it stops.
- Unscrew drawer fixing screw and take it out carefully.

To install the crisper

- Open the freezer door until it stops.
- The crisper slowly down and screw drawer fixing bolt.



## Helpful hints and tips

### Hints for freezing

To help you make the most of the freezing process, here are some important hints:

- The maximum quantity of food which can be frozen in 24 hours is shown on the rating plate.
- The freezing process takes 24 hours. No further food to be frozen should be added during this period.
- Only freeze top quality, fresh and thoroughly cleaned, foodstuffs.
- Prepare food in small portions (ideally less than 1kg) to enable it to be rapidly and completely frozen and to make it possible subsequently to thaw only the quantity required.
- Wrap up the food in aluminum foil or polythene and make sure that the packages are airtight.
- Do not allow fresh, unfrozen food to touch food which is already frozen, thus avoiding a rise in temperature of the latter.
- Lean foods store better and longer than fatty ones; salt reduces the storage life of food.
- Water ices, if consumed immediately after removal from the freezer compartment, can possibly cause the skin to be freeze burnt.
- It is advisable to show the freezing in date on each individual pack to enable you to remove from the freezer compartment, can possibly cause the skin to be freeze burnt.
- It is advisable to show the freezing in date on each individual pack to enable you to keep tab of the storage time.
- Bottled or canned drinks should not be stored in the freezer compartments as they could explode.

### Hints for storage of frozen food

To obtain the best performance from this appliance, you should:

- Make sure that the commercially frozen foodstuffs were adequately stored by the retailer.
- Be sure that frozen foodstuffs are transferred from the food store to the freezer in the shortest possible time.
- Not open the door frequently or leave it open longer than absolutely necessary.
- Once defrosted, food deteriorates rapidly and cannot be refrozen.
- Do not exceed the storage period indicated by the food manufacturer.

# USING YOUR REFRIGERATOR-FREEZER

## Hints for fresh food refrigeration

To obtain the best performance:

- Do not store warm food or evaporating liquids in the refrigerator.
- Do cover or wrap the food, particularly if it has a strong flavor.
- Make sure that the food does not touch the temperature sensor in fresh food compartment. To allow the fresh food compartment to keep its ideal storage temperature, the sensor must not be hindered by food.
- Materials to be used for packaging must be tear-proof and resistant to cold, humidity, odor, oils and acids and they must also be airtight.
- Moreover, they must be well closed and they must be made from easy-to-use materials that are suitable for deep-freezers.

## Hints for refrigeration

- Make (all types): wrap in polythene bags and place on the glass shelves above the vegetable drawer.
- For safety, store in this way only one or two days at the most.
- Cooked foods, cold dishes, etc.: these should be covered and may be placed on any shelf.
- Fruit and vegetables: these should be thoroughly cleaned and placed in the special drawer(s) provided.
- Butter and cheese: these should be placed in special airtight containers or wrapped in aluminum foil or polythene bags to exclude as much air as possible.
- Milk bottle: these should have a cap and should be stored in the bins on the door.
- Bananas, potatoes, onions and garlic, if not packed, must not be kept in the fridge.

## Placing the food


Freezer compartment shelves	Various frozen food such as meat, fish, ice cream, vegetables etc.
Egg tray (if have)	Eggs
Fridge compartment shelves	Food in pans, covered plates and closed containers
Door bins of fridge compartment	Small and packaged foods or beverages (such as milk, fruit juice, beer and etc.)
Crisper	Vegetables and fruits
Chiller drawer	Fish, meat, vegetables Delicatessen products (cheese, butter, salami etc.)

# CLEANING AND MAINTENANCE

For hygienic reasons the appliance interior, including interior accessories, should be cleaned regularly.

## **CAUTION! DANGER OF ELECTRICAL SHOCK!**

- BEFORE CLEANING, SWITCH THE APPLIANCE OFF AND REMOVE THE PLUG FROM THE MAINS, OR SWITCH OFF OR TURN OUT THE CIRCUIT BREAKER OR FUSE.
- The appliance may not be connected to the mains during cleaning.
- Never clean the appliance with a steam cleaner. Moisture could accumulate in electrical components. Hot vapors can lead to the damage of plastic parts.
- You must wait for the glass shelves to reach room temperature before immersing them in water for cleaning.
- Make sure that no water enters the lamp housing, control panel or other electrical parts.
- The appliance must be dry before it is placed back into service.

 **Important!** Ethereal oils and organic solvents can attack plastic parts, e.g. lemon juice or the juice from orange peel, butyric acid, cleanser that contain acetic acid. Do not allow such substances to come into contact the appliance parts.

- Never use chloric cleaning agents or water to clean outer surfaces or chrome- coated parts of the product. Chlorine causes abrasion on such metal surfaces.
- All cleaning agents used inside the appliance must be food safe.
- Do not use any abrasive cleaners.
- Remove the food from the freezer. Store them in a cool place, well covered.
- Switch the appliance off and remove the plug from the mains or switch off or turn out the circuit breaker or fuse.
- Clean the appliance and the interior accessories with a cloth and lukewarm water. After cleaning wipe with fresh water and rub dry.
- Door seals cleaning-Take care to keep door seals clean. Sticky food and drinks can cause seals to stick to the cabinet and tear when you open the door. Wipe dry using a clean cloth.
- After everything is dry place appliance back into service.

**WARNING!** It is recommended to clean the condenser every six months using gloves. You must not use vacuum cleaners.

## **Avoiding Bad Odors**

Materials that may cause odor are not used in the production of our refrigerators. However, odor may be emitted if foods are stored improperly or if the inner surface of the product is not cleaned as required. Please consider the following to avoid this problem: It is important that the refrigerator is kept clean.

- Food residuals, stains, etc. can cause odor.
- For this reason, clean your refrigerator with carbonate solved in water every 15 days. Never use detergents or soap.
- Keep your foods in closed vessels. Microorganisms emitted from vessels without a cover may cause unpleasant odors.
- Never keep expired or spoiled foods in your refrigerator.

# CLEANING AND MAINTENANCE

## Defrosting

The product has a no frost system which is designed to prevent the heavy build-up of ice. Under normal use, there should be no need to regularly defrost the freezer system.

**Please note:** If you are regularly finding a heavy build-up of ice, or pools of water, in the freezer section then it is likely that the door is not sealing properly. This could be due to a defective door seal or an incorrectly fixed, or overly heavy, decor door. For more information see the troubleshooting section about ice.

## Protecting the Plastic Surfaces

Do not put liquid oils or oil-cooked meals in your refrigerator in unsealed containers as they damage the plastic surfaces of your refrigerator.

If oil is spilled or smeared onto the plastic surfaces, clean and rinse the relevant part of the surface with warm water immediately.

# TROUBLESHOOTING

Before calling for service, please read the following troubleshooting table first. This can save both your time and money. If the malfunction shows again, contact the Service Center. Your product may not have some of the features described here.

**CAUTION!** Before troubleshooting, disconnect the power supply. Only a qualified electrician or competent person must do the troubleshooting that is not in his manual.

**IMPORTANT!** There will be some sound/noise during normal operation (compressor or refrigerant circulation).

## The refrigerator is not operating

- It may not be plugged in properly.
  - >>> Plug in the product properly.
- The fuse of the socket to which your refrigerator is connected or the main fuse may have blown. >>> Check the fuse.

## The condensation on the fridge compartment

- The door may have been opened/closed frequently.
  - >>> Do not open/close the refrigerator door frequently.
- The environment may be too humid.
  - >>> Do not install the refrigerator at locations with a very high level of humidity.
- Foods containing liquid may have been placed into the refrigerator in vessels without covers.
  - >>> Do not place foods containing liquid into the refrigerator in unsealed vessels.
- Door of the refrigerator may have been left ajar.
  - >>> Do not keep the doors of your refrigerator open for a long time.

# TROUBLESHOOTING

## **The compressor is not operating**

- Protective thermal of the compressor will blow out during sudden power failures or plug-out plug-in as the refrigerant pressure in the cooling system of the refrigerator has not been balanced yet.
- The refrigerator will start running approximately after 6 minutes. Please call the Authorized Service Provider if the refrigerator does not start at the end of this period.
- The freezer is in defrosting cycle.
  - >>> This is normal for a refrigerator that performs full-automatic defrosting. Defrosting cycle is performed periodically.
- The refrigerator may not be plugged in.
  - >>> Make sure that the plug fits the socket.
- Temperature settings may be incorrect.
  - >>> Select the correct temperature value.
- Possible power failure.
  - >>> The refrigerator will start to operate normally when power restores.

## **The operation noise increases when the refrigerator is running**

- Operating performance of the refrigerator may vary based on the ambient temperature changes. This is normal and not a fault.

## **Vibration or noise**

- The floor may not be stable or level.
  - >>> If the refrigerator shakes when moved slightly feed to balance it. Make sure that the floor is level and capable of carrying the refrigerator.
- Objects placed onto the refrigerator may cause noise.
  - >>> Remove the objects on the refrigerator.

## **There are noises coming from the refrigerator like liquid spilling or spraying**

- Liquid and gas flows occur in accordance with the operating principles of the refrigerator. This is normal and not a fault.

## **Whistle is heard from the refrigerator**

- There are fans that are used to cool the refrigerator. This is normal and not a fault.

## **Damp accumulates on the inner walls of refrigerator**

- Hot and humid weather increases icing and condensation. This is normal and not a fault.
- The doors may have been opened frequently or left ajar for a long time.
  - >>> Do not open the door frequently. Close the doors, if open.
- The door may have been left ajar.
  - >>> Close the door completely.

# TROUBLESHOOTING

## Humidity occurs on the outer surface of the refrigerator or between the doors

- Air might be humid. This is quite normal in humid weathers.
  - >>> Condensation will disappear the humidity level decreases.
- There might be external condensation at the section between two doors of the refrigerator if you use your product rarely. This is normal. Condensation will disappear upon frequent use.

## There is a bad odor inside the refrigerator

- No regular cleaning may have been performed.
  - >>> Clean the inside of the refrigerator sponge, lukewarm water or carbonated water.
- Some vessels or packaging materials may cause the odor.
  - >>> Use another vessel, or packaging materials from another brand.
- Foods may have been placed into the refrigerator in vessels without covers.
  - >>> Store the foods in closed vessels. Microorganisms emitted from vessels without a cover may cause unpleasant odors.
- Take out expired or spoiled foods from the refrigerator.

## The door cannot be closed

- Food packages may be preventing the door from closing.
  - >>> Re-locate the packages obstructing the door.
- The refrigerator may be unstable on the floor.
  - >>> Adjust the refrigerator feet as required the refrigerator in balance.
- The floor may not be level or solid.
  - >>> Make sure that the floor is level and capable of carrying the refrigerator.

## Crispers are stuck

- Foods may be touching the upper wall of the crisper.
  - >>> Re-organize the foods in the crisper.

## WARNING!

If you could not eliminate the problem although you follow the instructions in this section, consult your dealer or the Authorized Service Provider. Never attempt to repair a malfunctioned product.

Thank you for using **casa** product!



