

EN

User Manual

# USER MANUAL

Fridge Freezer

ZBT23420SA

**ZANUSSI**

## Contents

---

|                          |   |                            |    |
|--------------------------|---|----------------------------|----|
| Safety information.....  | 2 | Care and cleaning.....     | 7  |
| Safety instructions..... | 3 | Troubleshooting.....       | 8  |
| Operation.....           | 4 | Technical information..... | 10 |
| Daily Use.....           | 5 | Installation.....          | 10 |
| Hints and tips.....      | 6 |                            |    |

Subject to change without notice.

## Safety information

---

Before the installation and use of the appliance, carefully read the supplied instructions. The manufacturer is not responsible if an incorrect installation and use causes injuries and damages. Always keep the instructions with the appliance for future reference.

### 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.
- Do not let children play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Keep all packaging away from children.

### General Safety

- This appliance is intended to be used in household and similar applications such as:
  - Farm houses; staff kitchen areas in shops, offices and other working environments
  - By clients in hotels, motels, bed and breakfast and other residential type environments
- 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.
- Do not use water spray and steam to clean the appliance.
- Clean the appliance with a moist soft cloth. Only use neutral detergents. Do not use abrasive products, abrasive cleaning pads, solvents or metal objects.
- Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- 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.

## Safety instructions

---

### Installation



#### **WARNING!**

Only a qualified person must install this appliance.

- Remove all the packaging.
- Do not install or use a damaged appliance.
- Obey the installation instruction supplied with the appliance.
- Always be careful when you move the appliance because it is heavy. Always wear safety gloves.
- Make sure the air can circulate around the appliance.
- Wait at least 4 hours before connecting the appliance to the power supply. This is to allow the oil to flow back in the compressor.
- Do not install the appliance close to radiators or cookers, oven or hobs.
- The rear of the appliance must stand against the wall.
- Do not install the appliance where there is direct sunlight.
- Do not install this appliance in areas that are too humid or too colds, such as the construction appendices, garages or wine cellars.

- When you move the appliance, lift it by the front edge to avoid scratching the floor.

### Electrical connection



#### **WARNING!**

Risk of fire and electrical shock.

- The appliance must be earthed.
- Make sure that the electrical information on the rating plate agrees with the power supply. If not, contact an electrician.
- Always use a correctly installed shockproof socket.
- Do not use multi-plug adapters and extension cables.
- Make sure not to cause damage to the electrical components (e.g. mains plug, mains cable, compressor). Contact the Service or an electrician to change the electrical components.
- The mains cable must stay below the level of the mains plug.
- Connect the mains plug to the mains socket only at the end of the installation. Make sure that there is access to the mains plug after the installation.
- Do not pull the mains cable to disconnect the appliance. Always pull the mains plug.

## Use



### **WARNING!**

Risk of injury, burns, electrical shock or fire.

- Do not change the specification of this appliance.
- Do not put electrical appliances (e.g. ice cream makers) in the appliance unless they are stated applicable by the manufacturer.
- Be careful not to cause damage to the refrigerant circuit. It contains isobutane (R600a), a natural gas with a high level of environmental compatibility. This gas is flammable.
- If damage occurs to the refrigerant circuit, make sure that there are no flames and sources of ignition in the room. Ventilate the room.
- Do not let hot items to touch the plastic parts of the appliance.
- Do not put soft drinks in the freezer compartment. This will create pressure on the drink container.
- Do not store flammable gas and liquid in the appliance.
- Do not put flammable products or items that are wet with flammable products in, near or on the appliance.
- Do not touch the compressor or the condenser. They are hot.
- Do not remove or touch items from the freezer compartment if your hands are wet or damp.
- Do not freeze again food that has been thawed.
- Obey the storage instructions on the packaging of frozen food.

## Internal light

- The type of lamp used for this appliance is not suitable for household room illumination

## Operation

### Switching on

1. Insert the plug into the wall socket.
2. Turn the Temperature regulator clockwise to a medium setting.

### Switching off

To turn off the appliance, turn the temperature regulator to the "0" position.

## Care and cleaning



### **WARNING!**

Risk of injury or damage to the appliance.

- Before maintenance, deactivate the appliance and disconnect the mains plug from the mains socket.
- This appliance contains hydrocarbons in the cooling unit. Only a qualified person must do the maintenance and the recharging of the unit.
- Regularly examine the drain of the appliance and if necessary, clean it. If the drain is blocked, defrosted water collects in the bottom of the appliance.

## Disposal



### **WARNING!**

Risk of injury or suffocation.

- Disconnect the appliance from the mains supply.
- Cut off the mains cable and discard it.
- Remove the door to prevent children and pets to be closed inside of the appliance.
- The refrigerant circuit and the insulation materials of this appliance are ozone-friendly.
- The insulation foam contains flammable gas. Contact your municipal authority for information on how to discard the appliance correctly.
- Do not cause damage to the part of the cooling unit that is near the heat exchanger.

### Temperature regulation

The temperature is regulated automatically.

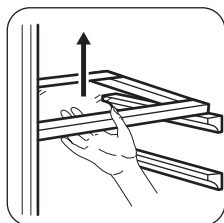
- i** A medium setting is generally the most suitable. However, the exact setting should be chosen keeping in mind that the temperature inside the appliance depends on:
- room temperature,
  - how often the door is opened,
  - the quantity of food stored,
  - the location of the appliance.

1. Turn the Temperature regulator toward lower settings to obtain the minimum coldness.
2. Turn the Temperature regulator toward higher settings to obtain the maximum coldness.

## Daily Use

### Movable shelves

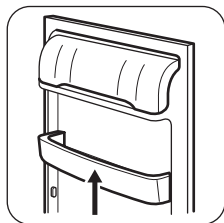
The walls of the refrigerator are equipped with a series of runners so that the shelves can be positioned as desired.



### Positioning the door shelves

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

1. Gradually pull the shelf in the direction of the arrows until it comes free



2. Reposition as required.



### CAUTION!

If the ambient temperature is high or the appliance is fully loaded, and the appliance is set to the lowest temperatures, it may run continuously causing frost to form on the rear wall. In this case the dial must be set to a higher temperature to allow automatic defrosting and therefore reduced energy consumption.

### Freezing fresh food

The freezer compartment is suitable for freezing fresh food and storing frozen and deep-frozen food for a long time.

To freeze fresh foods it is not necessary to change the medium setting.

However, for a faster freezing operation, turn the temperature regulator toward higher settings to obtain the maximum coldness.



In this condition, the refrigerator compartment temperature might drop below 0°C. If this occurs reset the temperature regulator to a warmer setting.

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**, a label located on the inside of the appliance.

The freezing process lasts 24 hours: during this period do not add other food to be frozen.

### Ice-cube production

This appliance is equipped with one or more trays for the production of ice-cubes.



Do not use metallic instruments to remove the trays from the freezer.

1. Fill these trays with water
2. Put the ice trays in the freezer compartment.

## Thawing

Deep-frozen or frozen food, prior to being used, can be thawed in the refrigerator 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.

## Storage of frozen food

When first starting-up or after a period out of use, before putting the products in the compartment let the appliance run at least 2 hours on the higher settings.

If large quantities of food are to be stored, remove all drawers and baskets from appliance and place food on cooling shelves to obtain the best performance.

## Hints and tips

### Normal operating sounds

The following sounds are normal during operation:

- A faint gurgling and bubbling sound from coils sound when refrigerant is pumped.
- A whirring and pulsating sound from the compressor when refrigerant is pumped.
- A sudden cracking noise from inside appliance caused by thermic dilatation (a natural and not dangerous physical phenomenon).
- A faint click noise from the temperature regulator when the compressor switches on or off.

### Hints for energy saving

- Do not open the door frequently or leave it open longer than absolutely necessary.

### 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 flavour
- position food so that air can circulate freely around it



### WARNING!

Make sure that foods do not exceed the load limit stated on the side of the upper section (where applicable)



In the event of accidental defrosting, for example due to a power failure, if the power has been off for longer that 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 cooling).

### Hints for refrigeration

Useful hints:

- Meat (all types) : wrap in polythene bags and place on the glass shelf 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 aluminium foil or polythene bags to exclude as much air as possible.
- Bottles: these need a cap and should be stored on the door bottle shelf, or (if equipped) on the bottle rack.
- Bananas, potatoes, onions and garlic, if not packed, must not be kept in the refrigerator.

### 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 hrs. is shown on the rating plate;

- the freezing process takes 24 hours. No further food to be frozen should be added during this period;
- freeze only top quality, fresh and thoroughly cleaned, foodstuffs;
- prepare food in small portions 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 aluminium 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 keep tab of the storage time.

### 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 foodstore 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.

## Care and cleaning



### WARNING!

Refer to Safety chapters.

### Periodic cleaning



### CAUTION!

Do not pull, move or damage any pipes and/or cables inside the cabinet.



### CAUTION!

Take care of not to damage the cooling system.



### CAUTION!

When moving the cabinet, lift it by the front edge to avoid scratching the floor.

The equipment has to be cleaned regularly:

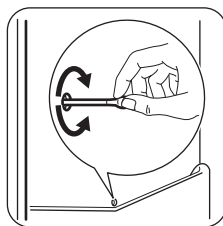
1. Clean the inside and accessories with lukewarm water and some neutral soap.
2. Regularly check the door seals and wipe clean to ensure they are clean and free from debris.
3. Rinse and dry thoroughly.
4. If accessible, clean the condenser and the compressor at the back of the appliance with a brush.

This operation will improve the performance of the appliance and save electricity consumption.

### Defrosting of the refrigerator

Frost is automatically eliminated from the evaporator of the refrigerator compartment every time the motor compressor stops, during normal use. The defrost water drains out through a trough into a special container at the back of the appliance, over the motor compressor, where it evaporates.

It is important to periodically clean the defrost water drain hole in the middle of the refrigerator compartment channel to prevent the water overflowing and dripping onto the food inside.



## Defrosting the freezer



### CAUTION!

Never use sharp metal tools to scrape off frost from the evaporator as you could damage it. Do not use a mechanical device or any artificial means to speed up the thawing process other than those recommended by the manufacturer. A temperature rise of the frozen food packs, during defrosting, may shorten their safe storage life.



About 12 hours prior to defrosting, set a lower temperature, in order to build up sufficient chill reserve for the interruption in operation.

A certain amount of frost will always form on the freezer shelves and around the top compartment.

Defrost the freezer when the frost layer reaches a thickness of about 3-5 mm.

1. Switch off the appliance, or pull out electrical plug from the wall socket.
2. Remove any stored food, wrap it in several layers of newspaper and put it in a cool place.

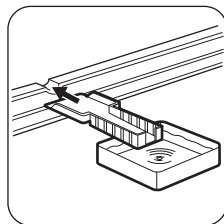


### WARNING!

Do not touch frozen goods with wet hands. Hands can freeze to the goods.

3. Leave the door open and insert the plastic scraper in the appropriate seating at the bottom centre, placing a basin underneath

to collect the defrost water.



In order to speed up the defrosting process, place a pot of warm water in the freezer compartment. In addition, remove pieces of ice that break away before defrosting is complete.

4. When defrosting is completed, dry the interior thoroughly and keep the scraper for future use.
5. Switch on the appliance. After three hours reload the previously removed food into the freezer compartment.

## Periods of non-operation

When the appliance is not in use for long periods, take the following precautions:

1. Disconnect the appliance from electricity supply.
2. Remove all food.
3. Clean the appliance and all accessories.
4. Leave the door/doors open to prevent unpleasant smells.



### WARNING!

If the cabinet will be kept on, ask somebody to check it once in a while to prevent the food inside from spoiling in case of a power failure.

## Troubleshooting



### WARNING!

Refer to Safety chapters.

### What to do if...

| Problem                         | Possible cause   | Solution  |
|---------------------------------|--|---|
| The appliance does not operate. | The appliance is switched off.                                 | Switch on the appliance.                              |
|                                 | The mains plug is not connected to the mains socket correctly. | Connect the mains plug to the mains socket correctly. |



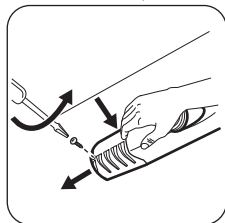
| <b>Problem</b>  | <b>Possible cause</b>   | <b>Solution</b>  |
|---|---|--|
|   | There is no voltage in the mains socket.  | Connect a different electrical appliance to the mains socket. Contact a qualified electrician. |
| The appliance is noisy.                               | The appliance is not supported properly.  | Check if the appliance stands stable.  |
| The lamp does not work.                               | The lamp is in stand-by.  | Close and open the door.   |
|   | The lamp is defective.  | Refer to "Replacing the lamp".   |
| The compressor operates continually.                  | Temperature is set incorrectly.   | Refer to "Operation" chapter.  |
|   | Many food products were put in at the same time.  | Wait some hours and then check the temperature again.  |
|   | The room temperature is too high.   | Refer to climate class chart on the rating plate.  |
|   | Food products placed in the appliance were too warm.                                    | Allow food products to cool to room temperature before storing.                                |
|   | The door is not closed correctly.   | Refer to "Closing the door".   |
| Water flows inside the refrigerator.                  | The water outlet is clogged.  | Clean the water outlet.  |
|   | Food products prevent that water flows into the water collector.                        | Make sure that food products do not touch the rear plate.                                      |
| Water flows on the floor.                             | The melting water outlet is not connected to the evaporative tray above the compressor. | Attach the melting water outlet to the evaporative tray.                                       |
| The temperature in the appliance is too low/too high. | The temperature regulator is not set correctly.   | Set a higher/lower temperature.  |
|   | The door is not closed correctly.   | Refer to "Closing the door".   |
|   | The food products' temperature is too high.   | Let the food products temperature decrease to room temperature before storage.                 |
|   | Many food products are stored at the same time.   | Store less food products at the same time.   |
|   | The door has been opened often.   | Open the door only if necessary.   |
|   | There is no cold air circulation in the appliance.                                      | Make sure that there is cold air circulation in the appliance.                                 |

**i** If the advice does not lead to the desired result, contact the nearest Authorised Service Centre.

## Replacing the lamp

Disconnect the plug from the mains socket.

1. Remove the screw from the lamp cover.
2. Remove the lamp cover (refer to the illustration).



3. Replace the used lamp with a new lamp of the same power and specifically designed for household appliances (the maximum power is shown on the lamp cover).
  4. Install the lamp cover.
  5. Tighten the screw to the lamp cover.
  6. Connect the plug to the mains socket.
  7. Open the door.
- Make sure that the light comes on.

## Closing the door

1. Clean the door gaskets.
2. If necessary, adjust the door. Refer to "Installation".
3. If necessary, replace the defective door gaskets. Contact the Authorised Service Centre.

## Technical information

### Technical data

| Dimensions of the recess |       |           |
|--------------------------|-------|-----------|
| Height                   | mm    | 1446      |
| Width                    | mm    | 560       |
| Depth                    | mm    | 550       |
| Rising time              | Hours | 20        |
| Voltage                  | Volts | 230 - 240 |
| Frequency                | Hz    | 50        |

The technical information are situated in the rating plate, on the external or internal side of the appliance and in the energy label.

## Installation



### WARNING!

Refer to Safety chapters.

### Positioning

This appliance can be installed in a dry, well ventilated indoor where the ambient temperature corresponds to the climate class indicated on the rating plate of the appliance:

| Climate class | Ambient temperature |
|---------------|---------------------|
| SN            | +10°C to +32°C      |
| N             | +16°C to +32°C      |
| ST            | +16°C to +38°C      |

| Climate class | Ambient temperature |
|---------------|---------------------|
| T             | +16°C to + 43°C     |

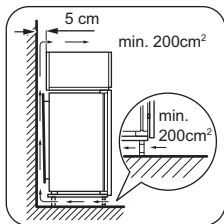
**i** Some functional problems might occur for some types of models when operating outside of that range. The correct operation can only be guaranteed within the specified temperature range. If you have any doubts regarding where to install the appliance, please turn to the vendor, to our customer service or to the nearest Service Centre

### 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.

### Ventilation requirements

The airflow behind the appliance must be sufficient.

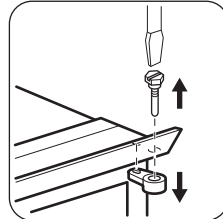


### Door reversibility

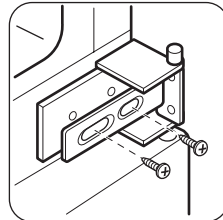
**! WARNING!**  
Before carrying out any operations, remove the plug from the power socket.

**! CAUTION!**  
To carry out the following operations, we suggest that this be made with another person that will keep a firm hold on the doors of the appliance during the operations.

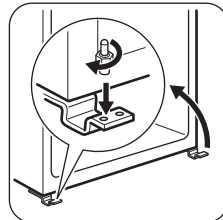
1. Loosen the upper pin and remove the spacer.
2. Remove the upper pin and the upper door.



3. Loosen the middle hinge.



4. Remove the lower door.
5. Loosen the lower pin.



6. Install the lower pin on the opposite side.
7. Tighten the middle hinge.
8. Install the upper door.
9. Tighten the spacer and tighten the upper pin.



Do a final check to make sure that:

- All screws are tightened.
- The magnetic seal adheres to the cabinet.
- The door opens and closes correctly.

If the ambient temperature is cold (i.e. in Winter), the gasket may not fit perfectly to the cabinet. In that case, wait for the natural fitting of the gasket.

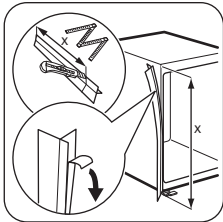
In case you do not want to carry out the above mentioned operations, contact the nearest Authorised Service Centre. The Authorised Service specialist will carry out the reversibility of the doors at your cost.

## Installing the appliance

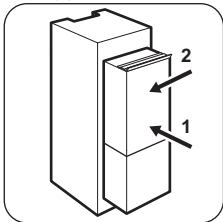


Make sure that the mains cable can move freely.

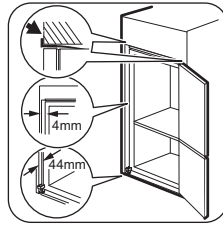
1. If necessary cut the adhesive sealing strip and then apply it to the appliance as shown in figure.



2. Push the appliance in the direction of the arrows (1) until the upper gap cover stops against the kitchen furniture.
3. Push the appliance in the direction of the arrows (2) against the cupboard on the opposite side of the hinge.

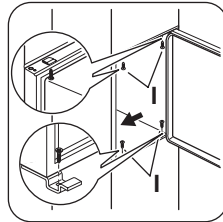


4. Make sure that the distance between the appliance and the cupboard front-edge is 44 mm.

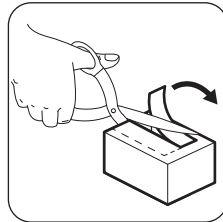


The lower hinge cover (in the accessories bag) makes sure that the distance between the appliance and the kitchen furniture is correct.

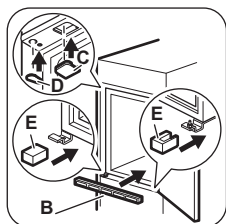
5. Make sure that the clearance between the appliance and the cupboard is 4 mm.
6. Open the door. Put the lower hinge cover in position.
7. Attach the appliance to the niche with 4 screws.



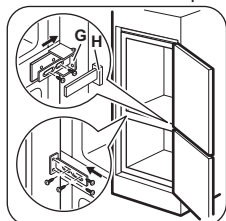
8. Remove the correct part from the hinge cover (E). Make sure to remove the part DX, in the case of right hinge, SX in opposite case.



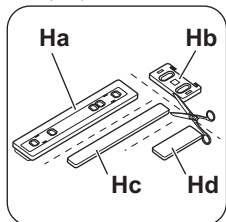
9. Attach the covers (C, D) to the lugs and the hinge holes.



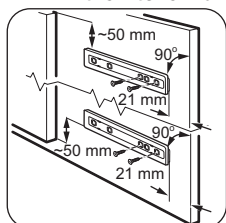
10. Install the vent grille (B).
11. Attach the hinge covers (E) to the hinge.
12. Connect the appliance laterally to the kitchen furniture sidewall:
  - a. Loosen the screws of the part (G) and move the part (G) till the furniture sidewall.
  - b. Tighten the screws of the part (G) again.
  - c. Attach the part (H) to the part (G).



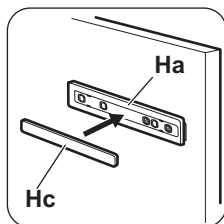
13. Disconnect the parts (Ha), (Hb), (Hc) and (Hd).



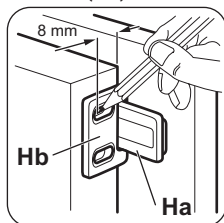
- a. Install the part (Ha) on the inner side of the kitchen furniture.



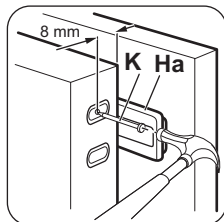
- b. Push the part (Hc) on the part (Ha).



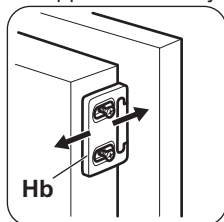
14. Open the appliance door and the kitchen furniture door at an angle of 90°.
  - a. Insert the small square (Hb) into guide (Ha).



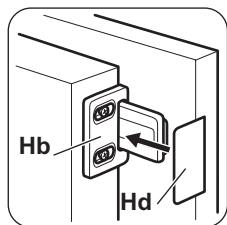
- b. Put together the appliance door and the furniture door and mark the holes.
15. Remove the brackets and mark a distance of 8 mm from the outer edge of the door where the nail must be fitted (K).



16. Place the small square on the guide again and fix it with the screws supplied.
17. Align the kitchen furniture door and the appliance door by adjusting the part Hb.




18. Press the part (Hd) on the part (Hb).




- i** Do a final check to make sure that:
- All screws are tightened.
  - The magnetic sealing strip is attached tightly to the cabinet.

## ENVIRONMENT CONCERNS

Recycle the materials with the symbol . Put the packaging in applicable containers to recycle it. Help protect the environment and human health and to recycle waste of electrical and electronic appliances. Do not dispose

- i** If the ambient temperature is low (for example, in winter), the size of the gasket decreases. The size of the gasket increases when the ambient temperature increases.

appliances marked with the symbol  with the household waste. Return the product to your local recycling facility or contact your municipal office.





[www.zanussi.com/shop](http://www.zanussi.com/shop)



222370439-A-332014