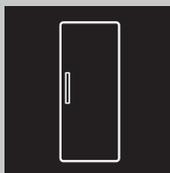


User Manual

# GETTING STARTED? EASY.



ZRDN18FS1

EN User Manual  
Refrigerator

# ZANUSSI

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

## SAFETY INFORMATION

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Before the installation and use of the appliance, carefully read the supplied instructions. The manufacturer is not responsible for any injuries or damage that are the result of incorrect installation or usage. Always keep the instructions in a safe and accessible location 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 the use of the appliance in a safe way and understand the hazards involved.
- Children aged from 3 to 8 years are allowed to load and unload the appliance provided that they have been properly instructed.
- This appliance may be used by persons with very extensive and complex disabilities provided that they have been properly instructed.
- Children of less than 3 years of age should be kept away from the appliance unless continuously supervised.
- Do not let children play with the appliance.
- Children shall not carry out cleaning and user maintenance of the appliance without supervision.
- Keep all packaging away from children and dispose of it appropriately.

## **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.
- To avoid contamination of food respect the following instructions:
  - do not open the door for long periods;
  - clean regularly surfaces that can come in contact with food and accessible drainage systems;
  - store raw meat and fish in suitable containers in the refrigerator, so that it is not in contact with or drip onto other food.
- **WARNING:** Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- **WARNING:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- **WARNING:** Do not damage the refrigerant circuit.
- **WARNING:** 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.
- When the appliance is empty for long period, switch it off, defrost, clean, dry and leave the door open to prevent mould from developing within the appliance.
- 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 **Authorised Service Centre** or similarly qualified persons in order to avoid a hazard.

## SAFETY INSTRUCTIONS

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### INSTALLATION



**WARNING!** Only a qualified person must install this appliance.

- Remove all the packaging.
- Do not install or use a damaged appliance.
- Do not use the appliance before installing it in the built-in structure due to safety manner.
- Follow the installation instructions supplied with the appliance.

- Always take care when moving the appliance as it is heavy. Always use safety gloves and enclosed footwear.
- Make sure the air can circulate around the appliance.
- At first installation or after reversing the door 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.
- Before carrying out any operations on the appliance (e.g. reversing the door), remove the plug from the power socket.
- Do not install the appliance close to radiators or cookers, ovens or hobs.
- Do not expose the appliance to the rain.
- Do not install the appliance where there is direct sunlight.
- Do not install this appliance in areas that are too humid or too cold.
- When you move the appliance, lift it by the front edge to avoid scratching the floor.
- The appliance contains a bag of desiccant. This is not a toy. This is not food. Please dispose of it immediately.

## ELECTRICAL CONNECTION



**WARNING!** Risk of fire and electric shock.



**WARNING!** When positioning the appliance, ensure the supply cord is not trapped or damaged.



**WARNING!** Do not use multi-plug adapters and extension cables.

- The appliance must be earthed.
- Make sure that the parameters on the rating plate are compatible with the electrical ratings of the mains power supply.
- Always use a correctly installed shockproof socket.
- Make sure not to cause damage to the electrical components (e.g. mains plug, mains cable, compressor). Contact the Authorised Service Centre 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, electric shock or fire.



The appliance contains flammable gas, isobutane (R600a), a natural gas with a high level of environmental compatibility. Be careful not to cause damage to the refrigerant circuit containing isobutane.

- 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.
- 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 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.

## INTERNAL LIGHTING



**WARNING!** Risk of electric shock.

- Concerning the lamp(s) inside this product and spare part lamps sold separately: These lamps are intended to withstand extreme physical conditions in household appliances, such as temperature, vibration, humidity, or are intended to signal information about the operational status of the appliance. They are not intended to be used in other applications and are not suitable for household room illumination.

## 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.

## SERVICE

- To repair the appliance contact the Authorised Service Centre. Use original spare parts only.
- Please note that self-repair or non-professional repair can have safety consequences and might void the guarantee.
- The following spare parts will be available for 7 years after the model has been discontinued: thermostats, temperature sensors, printed circuit boards, light sources, door handles, door hinges, trays and baskets. Please note that some of these spare parts are only available to professional repairers, and that not all spare parts are relevant for all models.
- Door gaskets will be available for 10 years after the model has been discontinued.

## INSTALLATION

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**WARNING!** Refer to Safety chapters.



**WARNING!** Refer to installation instruction document to install your appliance.

## DISPOSAL



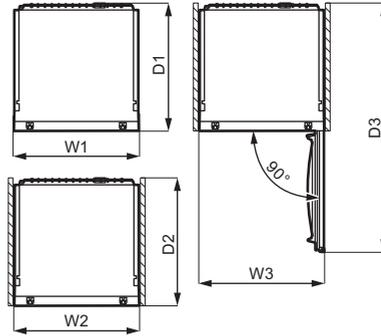
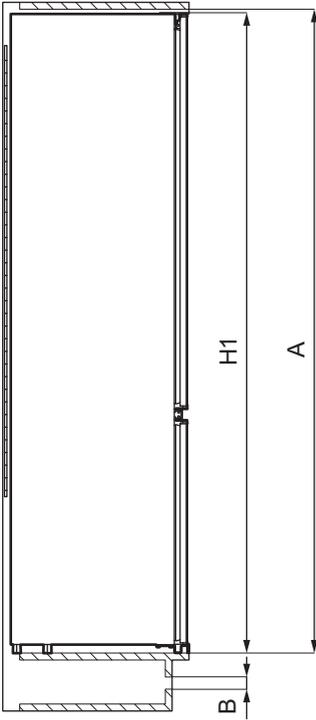
**WARNING!** Risk of injury or suffocation.

- 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.



**WARNING!** Fix the appliance in accordance with installation instruction document to avoid a risk of instability of the appliance.

## DIMENSIONS



### Overall dimensions <sup>1</sup>

H1	mm	1772
W1	mm	548
D1	mm	549

<sup>1</sup> the height, width and depth of the appliance without the handle and feet

### Space required in use <sup>2</sup>

B	mm	36
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<sup>2</sup> the height, width and depth of the appliance including the handle, plus the space necessary for free circulation of the cooling air

### Space required in use <sup>2</sup>

H2 (A+B)	mm	1816
W2	mm	548
D2	mm	551
A	mm	1780

### Overall space required in use <sup>3</sup>

H3 (A+B)	mm	1816
W3	mm	548
D3	mm	1071

<sup>3</sup> the height, width and depth of the appliance including the handle, plus the space necessary for free circulation of the cooling air, plus the space

necessary to allow door opening to the minimum angle permitting removal of all internal equipment

### LOCATION

To ensure appliance's best functionality, you should not install the appliance in the nearby of the heat source (oven, stoves, radiators, cookers or hobs) or in a place with direct sunlight. Make sure that air can circulate freely around the back of the cabinet. This appliance should be installed in a dry, well ventilated indoor position.

This appliance is intended to be used at ambient temperature ranging from 10°C to 38°C.

**i** The correct operation of the appliance can only be guaranteed within the specified temperature range.

**i** If you have any doubts regarding where to install the appliance, please turn to the vendor, to our customer service or to the nearest Authorised Service Centre.

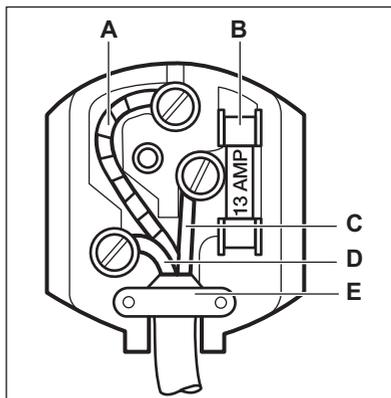
**i** It must be possible to disconnect the appliance from the mains power supply. The plug must therefore be easily accessible after installation.

### ELECTRICAL CONNECTION

**!** **CAUTION!** Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

**!** **WARNING!** This appliance must be earthed. The manufacturer declines any liability should these safety measures not be observed.

The wires in the mains lead are coloured in accordance with the following code:



- **A** - green and yellow: Earth
- **C** - brown: Live
- **D** - blue: Neutral

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. Connect the wire coloured green and yellow to the terminal marked either with the letter "E" or by the earth symbol (⊕) or coloured green and yellow.
2. Connect the wire coloured blue to the terminal either marked with the letter "N" or coloured black.
3. Connect the wire coloured brown to the terminal either marked with the "L" or coloured red.
4. Check that no cut, or stray strands of wire is present and the cord clamp (**E**) is secure over the outer sheath. Make sure the electricity supply voltage is the same as that indicated on the appliance rating plate.
5. Switch on the appliance.

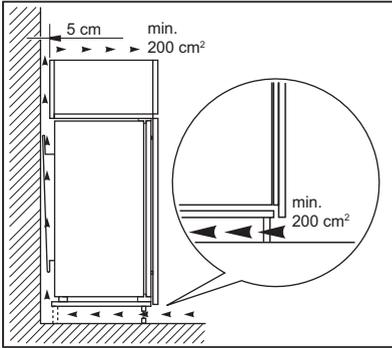
The appliance is supplied with a 13 amp fuse (**B**). In the event of having to change the fuse in the plug supplied, a 13 amp ASTA approved (BS 1362) fuse must be used.



**WARNING!** A cut off plug inserted into a 13 amp socket is a serious safety (shock) hazard. Ensure that it is disposed of safely.

### VENTILATION REQUIREMENTS

The airflow behind the appliance must be sufficient.



**CAUTION!** Refer to the installation instructions for the installation.

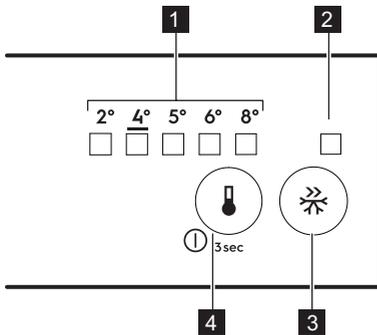
### DOOR REVERSIBILITY

Please refer to the separate document with instructions on installation and door reversal.



**CAUTION!** At every stage of reversing the door protect the floor from scratching with a durable material.

## CONTROL PANEL



1. Temperature indicator LED
2. FastCool indicator
3. FastCool button
4. Temperature regulator ON/OFF button

### SWITCHING ON

1. Insert the plug into the wall socket.
2. Touch the temperature regulator button if all LED indicators are off.

### SWITCHING OFF

Keep touching the temperature regulator button for 3 seconds.

All indicators light off.

### TEMPERATURE REGULATION

To operate the appliance, touch the temperature regulator until the LED corresponding to the

required temperature lights up. Selection is progressive, varying from 2°C to 8°C. Recommended setting is 4°C.

1. Touch temperature regulator.

Current temperature indicator blinks. Any time you touch the temperature regulator, the setting moves by one position. The corresponding LED blinks for a while.

2. Touch the temperature regulator until the required temperature is selected.



The set temperature will be reached within 24 hours. After a power failure the set temperature remains stored.

### FASTCOOL FUNCTION

If you need to insert in the fridge compartment a large amount of food at ambient temperature, for example after doing the grocery shopping, we suggest activating the FastCool function to chill the products more rapidly and to avoid warming the other food which is already in the refrigerator.

To activate FastCool function press the FastCool button. The FastCool indicator switches on.



This function stops automatically after 6 hours.

It is possible to deactivate the function at any time by pressing FastCool button again. The FastCool indicator switches off.

# DAILY USE

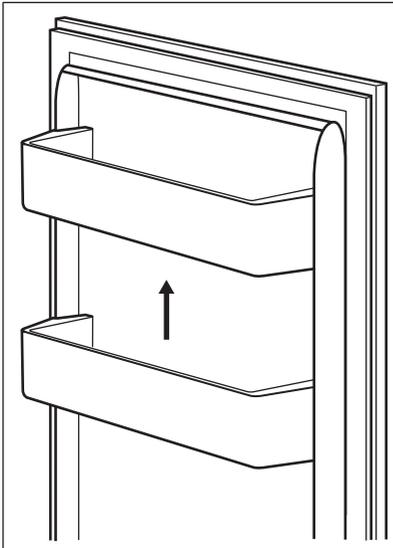


**CAUTION!** This refrigerating appliance is not suitable for freezing foodstuffs.

## POSITIONING THE DOOR SHELVES

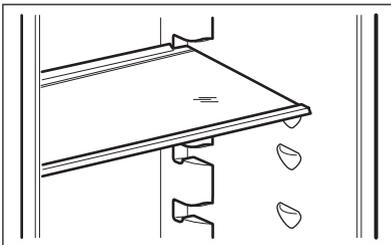
To permit storage of food packages of various sizes, the door shelves can be placed at different heights.

1. Gradually pull the shelf up until it comes free.
2. Reposition as required.



## MOVABLE SHELVES

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



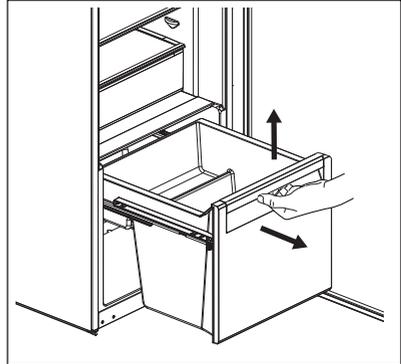
Do not move the glass shelf above the vegetable drawer to ensure correct air circulation.

## VEGETABLE DRAWER

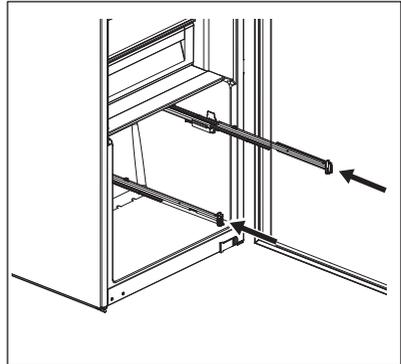
The drawer is suitable for storing fruit and vegetables.

To remove the drawer (e.g. for cleaning):

1. Pull out the drawer and lift it up.

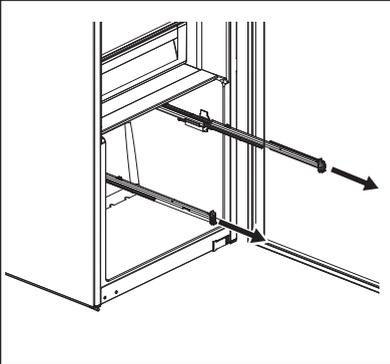


2. Push the rails inside the cabinet to avoid damage to the appliance when closing the door.

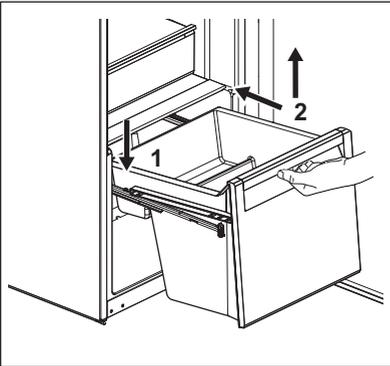


To reassemble:

1. Pull out the rails.



2. Place the rear part of the drawer (1) on the rails.



3. Keep the front of the drawer (2) lifted up while pushing the drawer in.

4. Press the front part of the drawer downwards.

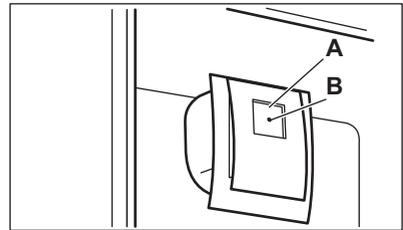
**i** Pull out the drawer again and check if it is placed correctly on both rear and front hooks.

### DYNAMICAIR

The refrigerator compartment is equipped with a device that allows rapid cooling of foods and keeps more uniform temperature in the compartment.

**i** Switch on the device when you have to cool down a big amount of food or when the room temperature is higher than 35°C to guarantee a greater homogenization of internal temperature.

Press the button (A) to switch ON the fan. The green light (B) appears.



**i** Before switching off the appliance, remember to turn off the fan by pressing the button (A). The green light (B) disappears.

## HINTS AND TIPS

### HINTS FOR ENERGY SAVING

- Most efficient use of energy is ensured in the configuration with the drawers in the bottom part of the appliance and shelves evenly distributed. Position of the door bins does not affect energy consumption.
- Do not open the door frequently or leave it open longer than necessary.
- Do not set too high temperature to save energy unless it is required by the characteristics of the food.
- If the ambient temperature is high and the temperature control is set to low temperature and the appliance is fully loaded, the compressor may run continuously, causing frost or ice formation on the evaporator. In this case, set the temperature control toward higher

temperature to allow automatic defrosting and to save energy this way.

- Ensure a good ventilation. Do not cover the ventilation grilles or holes.

### HINTS FOR FRESH FOOD REFRIGERATION

- Good temperature setting that ensures preservation of fresh food is a temperature less than or equal to +4°C. Higher temperature setting inside the appliance may lead to shorter shelf life of food.
- Cover the food with packaging to preserve its freshness and aroma.
- Always use closed containers for liquids and for food, to avoid flavours or odours in the compartment.

- To avoid the cross-contamination between cooked and raw food, cover the cooked food and separate it from the raw one.
- It is recommended to defrost the food inside the fridge.
- Do not insert hot food inside the appliance. Make sure it has cooled down at room temperature before inserting it.
- To prevent food waste the new stock of food should always be placed behind the old one.
- It is advisable not to keep the exotic fruits like bananas, mangos, papayas etc. in the refrigerator.
- Vegetables like tomatoes, potatoes, onions, and garlic should not be kept in the refrigerator.
- Butter and cheese: place in an airtight container or wrap in an aluminium foil or a polythene bag to exclude as much air as possible.
- Bottles: close them with a cap and place them on the door bottle shelf, or (if available) on the bottle rack.
- In order to accelerate cooling down of the goods, it is advisable to turn on the fan. The activation of dynamic air allows greater homogenization of internal temperatures.
- Always refer to the expiry date of the products to know how long to keep them.

## HINTS FOR FOOD REFRIGERATION

- Fresh food compartment is the one marked (on the rating plate) with .
- Meat (all types): wrap in a suitable packaging and place it on the glass shelf above the vegetable drawer. Store meat for at most 1-2 days.
- Fruit and vegetables: clean thoroughly (eliminate the soil) and place in a special drawer (vegetable drawer).

## CARE AND CLEANING



**WARNING!** Refer to Safety chapters.

### CLEANING THE INTERIOR

Before using the appliance for the first time, the interior and all internal accessories should be washed with lukewarm water and some neutral soap to remove the typical smell of a brand-new product, then dried thoroughly.



**CAUTION!** Do not use detergents, abrasive powders, chlorine or oil-based cleaners as they will damage the finish.



**CAUTION!** The accessories and parts of the appliance are not suitable for washing in a dishwasher.

### PERIODIC CLEANING

The equipment has to be cleaned regularly:

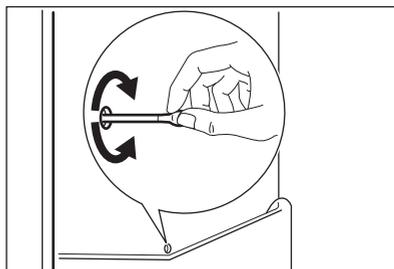
1. Clean the inside and accessories with lukewarm water and some neutral soap.
2. Regularly check the door seals and wipe them clean to ensure they are clean and free from debris.
3. Rinse and dry thoroughly.

### DEFROSTING OF THE REFRIGERATOR

Frost is automatically eliminated from the evaporator of the refrigerator compartment 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.

For this purpose use the tube cleaner provided with the appliance.



### PERIOD OF NON-OPERATION

When the appliance is not in use for long period, 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 open to prevent unpleasant smells.

## 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.
	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 compressor operates continually.	Temperature is set incorrectly.	Refer to "Control Panel" chapter.
	Many food products were put in at the same time.	Wait a few hours and then check the temperature again.
	The room temperature is too high.	Refer to "Installation" chapter.
	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" section.
	The FastCool function is switched on.	Refer to "FastCool function" section.
The compressor does not start immediately after pressing the "FastCool", or after changing the temperature.	The compressor starts after a period of time.	This is normal, no error has occurred.
Door is misaligned or interferes with ventilation grill.	The appliance is not levelled.	Refer to installation instructions.
Door does not open easily.	You attempted to re-open the door immediately after closing.	Wait a few seconds between closing and re-opening of the door.
The lamp does not work.	The lamp is in stand-by mode.	Close and open the door.

<b>Problem</b>	<b>Possible cause</b>	<b>Solution</b>
	The lamp is defective.	Contact the nearest Authorized Service Centre.
There is too much frost and ice.	The door is not closed correctly.	Refer to "Closing the door" section.
	The gasket is deformed or dirty.	Refer to "Closing the door" section.
	Food products are not wrapped properly.	Wrap the food products better.
	Temperature is set incorrectly.	Refer to "Control Panel" chapter.
	Appliance is fully loaded and is set to the lowest temperature.	Set a higher temperature. Refer to "Control Panel" chapter.
	Temperature set in the appliance is too low and the ambient temperature is too high.	Set a higher temperature. Refer to "Control Panel" chapter.
Water flows on the rear plate of the refrigerator.	During the automatic defrosting process, frost melts on the rear plate.	This is correct.
There is too much condensed water on the rear wall of the refrigerator.	Door was opened too frequently.	Open the door only when necessary.
	Door was not closed completely.	Make sure the door is closed completely.
	Stored food was not wrapped.	Wrap food in suitable packaging before storing it in the appliance.
Water flows inside the refrigerator.	Food products prevent the water from flowing into the water collector.	Make sure that food products do not touch the rear plate.
	The water outlet is clogged.	Clean the water outlet.
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.
Temperature cannot be set.	The "FastCool function" is switched on.	Switch off "FastCool function" manually, or wait until the function deactivates automatically to set the temperature. Refer to "FastCool function" section.
The temperature in the appliance is too low/too high.	The temperature is not set correctly.	Set a higher/lower temperature.

Problem	Possible cause	Solution
	The door is not closed correctly.	Refer to "Closing the door" section.
	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.
	The FastCool function is switched on.	Refer to "FastCool function" section.
	There is no cold air circulation in the appliance.	Make sure that there is cold air circulation in the appliance. Refer to "Hints and Tips" chapter.
Temperature setting LEDs flash at the same time.	An error has occurred in measuring the temperature.	Contact the nearest Authorised Service Centre. The cooling system will continue to keep food products cold, but temperature adjustment will not be possible.



If the advice does not lead to the desired result, call the nearest Authorized Service Centre.

### REPLACING THE LAMP

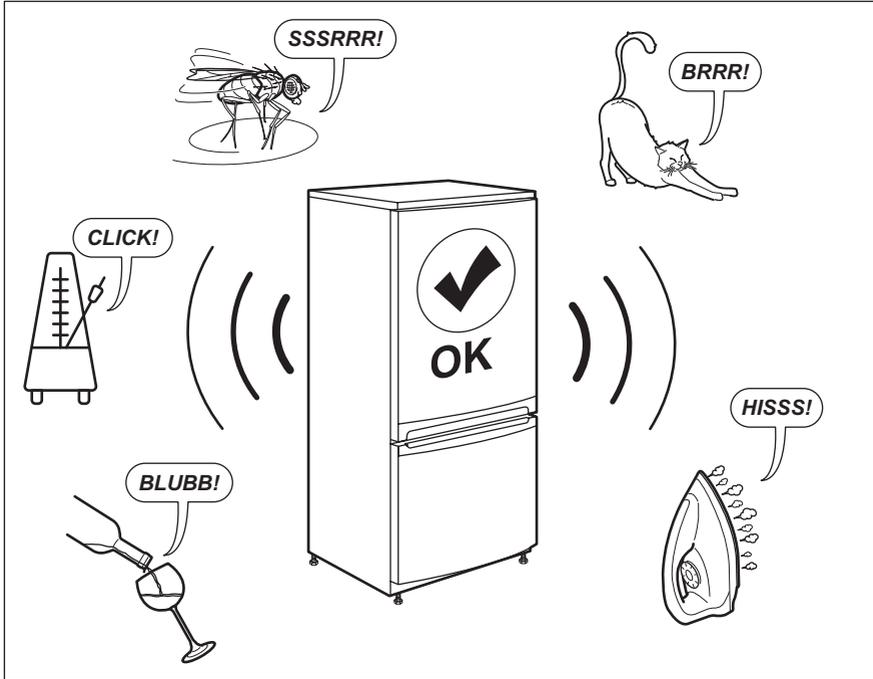
The appliance is equipped with a longlife LED interior light.

Only service is allowed to replace the lighting device. Contact your Authorised Service Centre.

### CLOSING THE DOOR

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

# NOISES



## TECHNICAL DATA

The technical information is situated in the rating plate on the internal side of the appliance and on the energy label.

The QR code on the energy label supplied with the appliance provides a web link to the information related to the performance of the appliance in the EU EPREL database. Keep the energy label for reference together with the user manual and all other documents provided with this appliance.

It is also possible to find the same information in EPREL using the link <https://eprel.ec.europa.eu> and the model name and product number that you find on the rating plate of the appliance.

See the link [www.theenergylabel.eu](http://www.theenergylabel.eu) for detailed information about the energy label.

## INFORMATION FOR TEST INSTITUTES

Installation and preparation of the appliance for any EcoDesign verification shall be compliant with EN 62552. Ventilation requirements, recess dimensions and minimum rear clearances shall be

as stated in this User Manual at Chapter 3. Please contact the manufacturer for any other further information, including loading plans.

## ENVIRONMENTAL CONCERNS

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



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