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You can read the recommendations in the user guide, the technical guide or the installation guide for ZANUSSI ZNB3450. You'll find the answers to all your questions on the ZANUSSI ZNB3450 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual ZANUSSI ZNB3450**  
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**ZANUSSI**

 **Electrolux**

FRIDGE - FREEZER

ZNB 3450

INSTRUCTION BOOK

GB

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A/ZE/31, (05.)



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**Manual abstract:**

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 city office, your household waste disposal service or the shop where you purchased the product. **IMPORTANT SAFETY INSTRUCTIONS** These warnings are provided in the interests of your safety. Ensure that you understand them all before installing or using this appliance. Your safety is of paramount importance. **@@** Prior to installation Check the appliance for transport damage. Under no circumstances should a damaged appliance be installed. In the event of damage please contact your retailer. Installation This appliance is heavy. Care should be taken when moving it.

**@@@@@** Make sure that the power plug has not been squashed or damaged during transit. - A damaged power plug may overheat and cause a fire. As you unpack the appliance, check carefully for any signs of transit damage. Do not place heavy articles or the fridge/freezer itself on the power cord. - There is a risk of a short circuit and fire.

Do not remove the power cord by pulling on its lead, particularly when the fridge/freezer is being pulled out of its niche. - Damage to the cord may cause a short-circuit, fire and/or electric shock. - If the power cord is damaged, it must be replaced by a certified service agent or qualified service personnel. If the power plug socket is loose, do not insert the power plug. - There is a risk of electric shock or fire.

Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person. Parts which heat up should not be exposed. Whenever possible, the back of the appliance should be close to a wall, but leaving the required distance for ventilation, as stated in the installation instructions. The appliance should be left for 2 hours after installation before it is turned on, in order to allow the refrigerant to settle. **Child Safety** Do not allow children to tamper with the controls or play with the product. Keep packaging materials away from children, to prevent the risk of suffocation! **Safety precautions for isobutane** Warning The refrigerant isobutane (R 600a) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable. 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.

**During Use** This appliance is designed for domestic use only, specifically for the storage of edible foodstuffs. It is not intended for commercial or industrial use. Containers with flammable gases or liquids can leak at low temperatures. Do not store any containers with flammable materials, such as spray cans, fire extinguisher refill cartridges etc. in the appliance. Frozen food should not be refrozen once it has thawed out. Do not place carbonated or fizzy drinks in the freezer compartment. Ice lollies can cause 'frost/freezer burns' if consumed straight from the freezer. Do not remove items from the freezer compartment if your hands are damp/wet, as this could cause skin abrasions or frost/freezer burns. Bottles and cans must not be placed in the freezer compartment they can burst when the contents freeze.

Manufacturers' recommended storage times should be adhered to. Refer to relevant instructions. **Maintenance and Cleaning** Before cleaning, always switch off the appliance and disconnect from the electrical supply. When unplugging always pull the plug from the mains socket, do not pull on the cable. Servicing This product should be serviced by an authorised engineer and only genuine spare parts should be used.

Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local Service Force Centre. At the end of the Appliance Life When disposing of your appliance use an authorised disposal site. Remove the plug and ensure that any locks or catches are removed, to prevent young children being trapped inside.

**The Appliance and the Environment** This appliance does not contain gases which could damage the ozone layer. Avoid damaging the cooling unit. The packaging used on this appliance marked with the symbol is recyclable. Keep this instruction book for future reference and ensure it is passed on to any new owner. **CONTENTS** Instructions for the User Important Safety Instructions General Information Description of the Appliance Switch and indicator set Display background color Using the Appliance Putting it into use Controlling the temperature, setting How to use the refrigerator Drawer Shopping mode The Refrigerator Storage Shelves Storage Times The Freezer Freezing Fresh Food Frozen Food Storage Thawing To Make Ice Cubes Hints and Tips Normal Operating Sounds Food Storage Energy Saving Advice In the Event of a Power Failure Maintenance and Cleaning Internal Cleaning External Cleaning When the Appliance is Not in Use Defrosting To Change the Light Bulb Something Not Working Service and Spare Parts Customer Care Department Guarantee Conditions 3 5 5 6 7 7 7 7 8 8 8 8 9 8 8 10 10 11 11 11 11 11 12 12 12 12 12 13 14 15 15 16 Instructions for the Installer Technical Data Installing the Appliance Transportation, Unpacking Cleaning Location Levelling the Appliance Ventilation Requirements Door Reversal Electrical Connections Storage Chart 17 17 17 17 17 18 18 18 20 21 4 **INSTRUCTIONS FOR THE USER** General information This appliance is designed for the storage of refrigerated and frozen food in a domestic environment. To ensure correct operation, the appliance should be located where the ambient temperature is between 10-32 °C. Description of the appliance A- Refrigerator B - Freezer 1. Top with switch and indicator set 2. Lighting box 3. Glass shelves 4.

Bottle rack 5. Cooling surface 6. Defrost water drain 7. Glass shelf 8. Drawer 9. Data label 10. Air grid 11. Storing compartment(s) 12. Freezing compartment 13. Bottom plinth 14.  
15. 16. 17. 18. 19.  
20. 21. 22. 23. 24.

25. 26. 27. Adjustable feet Butter compartment lid Egg tray Door shelf Door gasket Bottle shelf Handles Ice tray Condenser Defrost water outlet tube Spacer Evaporator tray Compressor Rollers 5 Switch and indicator set The following components can be found under a cover in the top frame: A. On/Off button Switches the appliance on and off. B. Freezer thermostat knob Used to set the temperature inside the freezer. C. Temperature selection push button Used to select the temperature shown on the display.



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To display the refrigerator or freezer temperature, press it once or twice, respectively.

See also the description of the temperature display. D. Temperature display See the description in the separate chapter. E. Function selection/Alarm reset button Used to select the super cooling and shopping modes. The Modes are available as follows, pressing the button once or more times: Normal mode (default) Super cooling mode Shopping mode Normal mode The same button is used to reset acoustic alarm signal, see the description on the display background colour. F. Refrigerator thermostat knob It is used to set the temperature inside the refrigerator. The elements of the temperature display are as follows: 1. Ambient symbol Seen when the digits show the ambient temperature.

2. Refrigerator symbol Dark, when the digits show the refrigerator temperature. 3. Freezer symbol Dark, when the digits show the freezer temperature. 4. Digits By default the digits show the ambient temperature and the ambient symbol is seen. The digits can show also: The medium temperature inside the refrigerator after pressing the "C" button (refrigerator symbol is dark), for a while. The highest temperature inside the freezer after pressing the "C" button twice (freezer symbol is dark), for a while. @@@@5. @@@@See also the chapter on freezing.

6. @@@@See also the description on the display background colour. 7. @@@@during heatwaves - the compressor may operate continually. @@@@with tray etc.). Do not put hot food into the refrigerator. Allow it to reach room temperature naturally. In this way the unnecessary frost building up can be avoided. Foods can take over odours from each other.

@@@@This way foods will keep their moisture e.g. @@@@While whatever button or knob is used the background turns bright blue and remains so for a while. The display background turns red, if the temperature inside the freezer is too warm (alarm). If this is the case, the digits show blinking the warmest temperature inside the freezer, the high temperature symbol flashes and an acoustic alarm signal is shown. The temperature might be too warm in the following cases: Immediately after switching on The freezer door was left open for a longer time There is an operating trouble in the freezer To switch the alarm sound off press the "E" button. The display returns to showing the ambient temperature, however the background remains red until the freezer cools down properly. Should you press no button during alarm, press the "E" button when the sound finishes to see the warmest temperature reached during the alarm. Using the Appliance Putting it into use Place the accessories into the appliance then plug to the mains socket. Press the "A" button.

The backlight of the display turns on. The appliance is ready to use. Pressing the "A" button again the appliance is off, but still under voltage. Controlling the temperature, setting The thermostats interrupt the cooling automatically for more or less time depending on the setting then restarts it assuring the required temperature. Temperature of the refrigerator and freezer can be set by knobs "F" and "B", respectively.

The set temperature is seen blinking on the display. For everyday use medium setting, i.e. +5°C in the refrigerator and colder than -18°C in the freezer is recommended. Allow the appliance to run for a period of 24 hours whenever the temperature setting is changed.

This will not and place food on the shelves. Important Do not put carbonated liquids in the freezer. Ice lollies, if consumed immediately after removal from the freezer can cause a low temperature skin burn. In the event of a power cut the food in the freezer will not be affected if the power cut is short and the freezer is full. Do not open the door. Should the food begin to thaw it must be consumed quickly and must not be re-frozen. (See Hints and Tips) Do not remove items from the freezer if your hands are damp/wet, as this could cause skin abrasions or frost/freezer burns. 9 Thawing Deep frozen or frozen food, prior to being used: T 25 230-240 V, 25 W, E 14 thread) After changing the bulb replace the cover, snap it in place and apply voltage to the appliance. 13 Something Not Working If the appliance is not working correctly, please carry out the following checks before contacting your local Service Force Centre.

Problem Possible Cause No power to the appliance No power at the socket.

There is a power cut. The fuse has blown. Thermostat control knob is set at „0“. The temperature in the The appliance is located in an unsuitable position. fridge or freezer is too high The thermostat control knob is set too low. Solution Check there is power at the socket. Check there is not a power cut by checking the household lights. Check the fuse has not blown. Check the thermostat setting. Check the ambient temperature is within the appliances operating limits of 10 °C to 32 °C.

Check that the thermostat control knob is turned to the correct setting relative to ambient conditions. Adjust the thermostat control knob. Close the door. The compressor runs continuously The temperature in the fridge or freezer is too low Excessive frost and ice has The door has been left open. built up Something is obstructing the door.

The door gasket is dirty. The appliance is noisy. The appliance is not level. The thermostat control knob is set at the wrong temperature. The door is open. Large quantities of food have been placed in the cabinet. The door has been opened too frequently. The air ventilation is obstructed. The thermostat control knob is set too cold. Do not leave the door open longer than necessary. Check that the air ventilation is not obstructed. Set the thermostat control knob to a warmer position. Check the door has not been left open. Check nothing is preventing the door from closing. Check the door gasket is intact and clean.

Check if the appliance stands stable on the floor. If after the above checks your appliance still does not operate correctly, contact your local Service Force Centre. Please note that it will be necessary to provide proof of purchase for any in-guarantee service calls. In-guarantee customers should ensure that the above checks have been made, as the engineer will make a charge if the fault is not a mechanical or electrical breakdown. 14 Service and Spare Parts In the event of your appliance requiring service, or if you wish to purchase spare parts, please contact your local Service Force Centre by telephoning: 08705 929929 Your telephone call will be automatically routed to the Service Force Centre covering your post code area. @@@@Your name, address and post code 2.

Your telephone number 3. Clear and concise details of the fault 4. @@@@Home visits are made between 8.30am and 5.

30pm Monday to Friday. @@@@Appliances found to be in use within a commercial environment, plus those which are the subject of rental agreements.

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The guarantee is in addition to your statutory and legal rights. **EUROPEAN GUARANTEE** If you should move to another country within Europe then your guarantee moves with you to your new home subject to the following qualifications: The guarantee starts from the date you first purchased your product. The guarantee is for the same period and to the same extent for labour and parts as exists in the new country of use for this brand or range of products. This guarantee relates to you and cannot be transferred to another user. Your new home is within the European Community (EC) or European Free Trade Area.

The product is installed and used in accordance with our instructions and is only used domestically, i.e.

a normal household. The product is installed taking into account regulations in your new country. Before you move please contact your nearest Customer Care Centre, listed below, to give them details of your new home. They will then ensure that the local Service Organisation is aware of your move and able to look after you and your appliances. France Germany Italy Sweden UK Ireland Senlis Nuremberg Pordenone Stockholm Luton Dublin +33 (0) 344 62 29 29 +49 (0) 800 234 7378 +39 (0) 0434 39 4700 +46 (0) 8 672 53 90 +44 (0) 8705 727727 +353 (0)1 4090751 16 Instructions for the Installer Technical data Model Gross capacity (l) Net capacity (l) Width (mm) Height (mm) Depth (mm) Energy consumption (kWh/24h) (kWh/year) Energy class, according to EU standards Freezing capacity (kg/24h) Rising time (h) Rated current (A) Noise Lc (dB) Weight (kg) Number of compressors ZNB 3450 Refrigerator: 249 Freezer: 91 Refrigerator: 245 Freezer: 78 595 1850 632 0,979 357 A 6 18 0,6 42 72 1 Installing the appliance Transportation, unpacking The appliance and the interior fittings are protected for transport. Remove all packaging and any adhesive tape. Any remnants of adhesive can be removed using white spirit. After transportation the appliance must not be switched on for 2 hours. This is to allow the refrigerant to settle. Location The appliance should be positioned in a well ventilated, dry room.

Energy use is affected by the ambient temperature. The appliance should therefore: not be installed next to radiators, cookers or other sources of heat only be installed at a location where the ambient temperature corresponds to the climate classification, for which the appliance is designed. The climate classification can be found on the rating plate. The following table shows which ambient temperature is correct for each climate classification: Climate Classification Ambient Temperature SN N ST +10 to +32 °C +16 to +32 °C +18 to +38 °C Cleaning Clean the accessories and the inside of the appliance with warm water and bicarbonate of soda (5 ml to 0.5 litres of water). Rinse and dry thoroughly. Do not use detergents, abrasive powders, highly perfumed cleaning products, wax polishes or cleaning products containing bleach or alcohol. 17 In the bag of the accessories there are two spacers which must be fitted in the two top corners. Slacken the screws and insert the spacer under the screw head, then re-tighten the screws. Levelling the Appliance When placing the appliance ensure that it stands level.

This can be achieved by two adjustable feet at the bottom in front. Do not stand the appliance next to a source of heat such as a radiator or cooker.

Ventilation Requirements The appliance must have adequate ventilation to ensure correct operation. Diagram shows the ventilation requirements when installed: A Under a cupboard. B When freestanding Door Reversal Should the setting-up place or handling demand it, door-opening direction can be refitted from righthanded to left-handed.

Appliances on the market are right-handed. Following operations are to be done on the basis of figures and explanations: 1. To perform the operations listed below it is recommended to ask another person for help who safely can keep the doors while performing the operations. 2. Disconnect the appliance from the electricity supply.

3. @ (fig. 2) 18 fig. 1. 4. @@ Do not forget to remove the plastic spacer (b) under the hinge. (fig. 2) 5. Take off the refrigerator door by pulling it slightly downwards. 6.

Take off the freezer door by pulling it slightly upwards. 7. @@ (fig. 1) 8. Remove the insert of the plinth (e) by a screwdriver. (fig. 4) 9. @@ (fig. 4) 10.

Replace the insert of the plinth (e) on the other side.

11. Remove the covering nails (3 pieces) (n,k) of the double door holder on the left side and put them to the other side. (fig. 2) 12. Remove the (t, z) plugs from both doors.

(fig. 3) 13. Remove the (u, v) door closing devices by unscrewing the (s) screw. 14. Replace the (u, v) door devices on the opposite side of the other door after turning them, then fix them by screwing the (s) screw.

15. Replace the (t, z) plugs on the opposite side. 16. Fit the pin of the double door hinge (m) into the left drill of the freezer door. (fig. 2) 17. Fit the freezer door to the lower door hinge pin (f). (fig. 4) 18. Fit the refrigerator door to the upper door hinge pin (d) then slightly tilting both doors fit the pin of the double door hinge (m) into the left drill of the refrigerator door.

19. @@ Do not forget to replace the plastic spacer (b) under the hinge. @@@@ (fig. 5) 21. @@ In case you do not want to perform the procedures above, call the nearest brand-mark service. Technicians will accomplish the refitting expertly for charge. Important After completion of the door reversing operation, check that the door gasket adheres to the cabinet. 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 or accelerate this process by heating the part involved with a normal hairdryer on a low setting. fig. 2. fig. 3.

fig. 4. fig. 5. 19 Electrical Connection Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

This appliance must be earthed. The manufacturer declines any liability should these safety measures not be observed. Electrical Requirements Before switching on, make sure the electricity supply voltage is the same as that indicated on the appliance rating plate. The appliance is supplied with a 13 amp plug fitted. In the event of having to change the fuse in the plug supplied, a 13 amp ASTA approved (BS 1362) fuse must be used. Should the plug need to be replaced for any reason. The wires in the mains lead are coloured in accordance with the following code: Green and Yellow: Earth Blue: Neutral Brown: Live The wire coloured green and yellow must be connected to the terminal marked with the letter „E" or by the earth symbol or coloured green and yellow. The wire coloured blue must be connected to the terminal „N" or coloured black. The wire coloured brown must be connected to the terminal marked „L" or coloured red. Upon completion there must be no cut, or stray strands of wire present and the cord clamp must be secure over the outer sheath.



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