

Gebrauchsanleitung

Instructions for use

Instructions d'emploi

Gebruiksaanwijzing

Istruzioni per l'uso

Istrucciones para el uso

Wichtig: Unbedingt lesen und aufbewahren!

Important: Read these instructions carefully and then store them in a safe place

Important: Lire attentivement et ranger soigneusement ce mode d'emploi

Belangrijk: Beslist lezen en bewaren

Importante: È necessario leggere attentamente queste istruzioni e conservarle con cura

Importante: Leerlas imprescindiblemente y guardarlas

Integrierte Einbau-Kühlgeräte

Integrated refrigerator

Réfrigérateur à intégrer

Integreerbare koelkasten

Frigoriferi integrabili

Frigorífico integrable

Modell: IKEF 238-5



p.: 14 - 24



25 - 36



37 - 47



48 - 58



59 - 70

Küppersbusch

ALLERFEINSTE KÜCHENTECHNIK



Notes which are important for your safety or for the proper functioning of the appliance



Supplementary information regarding operation and practical applications of the appliance.



Tips and notes concerning economical and environmentally sound use of the appliance



Safety Instructions

This information has been provided in the interests of your safety. Please read it before installing or using the appliance. Please retain the instruction book for future reference. If ownership is transferred, please leave the user manual for the new owner.

Domestic Use

- The domestic refrigerators and freezers are designed to be used specifically for the storage of edible foodstuffs only.
- Check the appliance for transport damage. Under no circumstances should a damaged appliance be installed. In the event of damage please contact your retailer.
- This appliance is heavy. The edges and projecting parts of the cabinet may be sharp. Be careful when moving the cabinet and always use gloves.
- Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.
- Make sure that the power plug is not squashed or damaged by the back of the appliance. Make sure that the cable is not trapped underneath the appliance, nor touches the motor.
- Do not remove the power cord by pulling on its lead, particularly when the appliance is being pulled out of its niche. If the power plug socket is loose, do not insert the power plug. Damage to the cord may cause a short-circuit, fire and/or electric shock.
- Do not use electrical appliances inside the appliance.
- Do not keep carbonated drinks or bottles in the freezer compartment. The glass bottles may break.
- Ice lollies can cause 'frost/freezer burns' if consumed straight from the freezer.
- It is dangerous to try and alter the specifications or modify this product in any way.
- Under no circumstances should you attempt to repair the appliance yourself. Refer to your local Service Centre, and always insist on genuine spare parts.

Child Safety

- This appliance is designed to be operated by adults only. Do not allow the children to tamper with the controls or play with the products. There is a risk of suffocation! Keep packaging material away from children!




Environment Protection

- 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. Avoid damaging the cooling unit. Information on your local disposal sites may be obtained from your municipal authorities.
Remove the plug and ensure that any locks or catches are removed, to prevent young children being trapped inside.



Disposal

Appliance Packaging Information

- The materials marked with the symbol  are recyclable.
 - >PE< for polyethylene, e.g. sheet wrapping material
 - >PS< for polystyrene, e.g. padding material (always CFC-free)
 - >POM< polyoxymethylene, e.g. plastic clips.


All materials are environmentally sound! Information concerning collection schedules or locations can be obtained from your local Council or Environmental Health Office.


Contents

Safety Instructions14
Disposal14
Use and Control Before Use / Refrigerator compartment - Control panel15
Starting the appliance / Temperature control / Temperature display / Supercool function / Internal parts16
Hints17
Freezer compartment - Temperature control / Superfrost function / Interior accessories17
Freezer compartment - Hints18
0°C compartment / 0°C compartment - Interior accessories18
Hints19
Maintenance Defrosting / Cleaning / Changing the light bulb21
Something not Working / Customer Service and Spare Parts22
Technical Specifications23
Installation Positioning / Electrical connection23
Building-in24

Use and Control

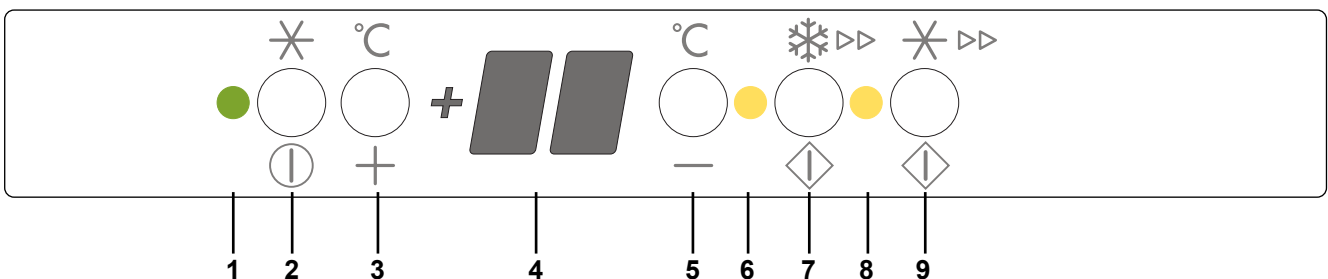
Before Use

-  Wait two hours before connecting the appliance to allow the oil to flow back in the compressor.
- Before using the appliance for the first time, wash the interior and all internal accessories with lukewarm water and some neutral soap so as to remove the typical smell of a brand-new product, then dry thoroughly.

-  **Do not use detergents or abrasive powders, as these will damage the finish.**
- Remove safety elements used for transportation.

Refrigerator compartment

Control panel



- | | |
|---|--|
| 1 Pilot light (green) | 6 Superfrost indicator light (yellow) |
| 2 ON/OFF switch | • Superfrost for rapid freezing in the freezer compartment |
| 3 Temperature setting buttons (for warmer temperatures) | 7 Push button for Superfrost |
| 4 Temperature display | 8 Supercool indicator light (yellow) |
| 5 Temperature setting buttons (for colder temperatures) | • Supercool for intensive fridge cooling |
| | 9 Push button for Supercool |

Starting the appliance

- The temperature setting buttons are located at the top of the appliance on the control panel.
- Insert the plug into the plug socket.
- Press ON/OFF button (2). The green mains pilot indicator (1) illuminates.
- The interior lighting comes on. The compressor starts and then runs automatically. To switch off the appliance, press the ON/OFF button (2) until the display goes off.
- Press either the “+” (3) or “-” (5) button. The temperature display switches over and the DESIRED temperature currently set flashes on the temperature display.

Temperature Control

- The temperature display is switched over from the display of the ACTUAL temperature (temperature display is illuminated) to the display of the DESIRED temperature (temperature display flashes) by pressing one of the two buttons, “+” (3) or “-” (5).
- With each further press of one of the two buttons, the DESIRED temperature is adjusted by 1°C.
- If neither button is pressed, the temperature display automatically switches back after a short period (approx. 5 sec.) to the display of the ACTUAL temperature.

DESIRED temperature means:

The temperature that is required in the refrigerator, this can be adjusted to the temperatures shown in the display. The DESIRED temperature is indicated by flashing numbers.

ACTUAL temperature means:

The temperature display indicates the temperature that is currently present in the refrigerator. The ACTUAL temperature is indicated by continuously illuminated numbers.

In order for the appliance to run properly in certain conditions a slight heating of the back surface of the inner container can take place.

Temperatur display

The temperature display (4) can indicate several pieces of information.

- During normal operation, the temperature currently present in the refrigerator (ACTUAL temperature) is displayed.
- When the temperature is being adjusted, the temperature currently set flashes (DESIRED temperature).

Supercool function

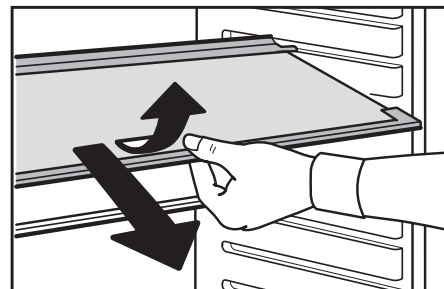
The Supercool function is suited for quick cooling of large quantities of goods in the refrigerator, e.g. drinks and salads for a party.

- The Supercool function is switched on by pressing the Supercool button (9). The yellow light (8) illuminates. The Supercool function now ensures intensive cooling. A DESIRED temperature of +3°C is automatically selected. The Supercool function is ended automatically after a period of 6 hours. The originally selected DESIRED temperature is again valid and the compartment will return to. The temperature display shows the ACTUAL refrigerator temperature.
- The Supercool function can be ended manually at any time by pressing the Supercool button (9) again. The yellow light (8) goes out.

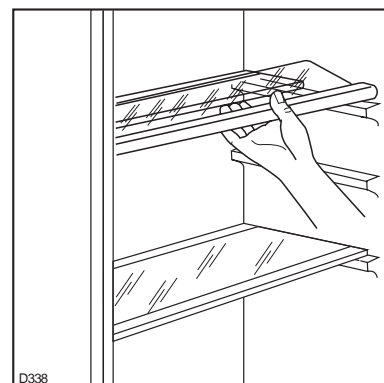
Internal Parts

Storage shelves

- The shelves can be removed for cleaning.
- To permit storage of food packages of various sizes, the shelves can be placed at different heights.
- To remove the internal shelf pull forward until it can be tipped up or down and removed.

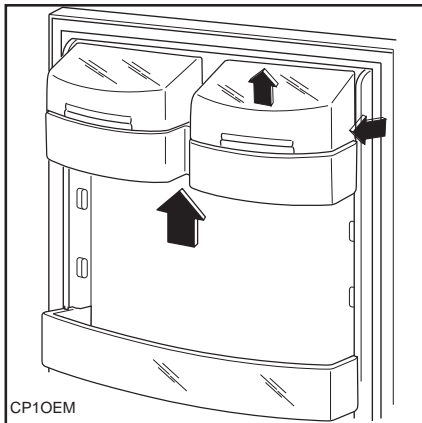


- Please do the same in reverse to insert the shelf at a different height.
- For better use of space, the front half-shelves can lie over the rear ones.



i On the bottom of the refrigerator compartment, just above the 0°C compartment, you can easily place cans and bottles in horizontal position. The structure of this area will prevent the bottles and cans from moving around.

- To permit storage of food packages of various sizes, the central door shelf can be adjusted in height.
- Gradually pull the shelf in the direction of the arrows until it comes free, then reposition as required.



- For more thorough cleaning, the top and bottom door shelves can be removed by pulling them in the direction of the arrows, then refitting them in position.

i Hints



Saving Energy

- Pay careful attention to where the cabinet is placed. See the section "Installation". When installed correctly the cabinet will consume less energy.
- Try to avoid keeping the doors open for long periods or opening the doors too frequently as warm air will enter the cabinet and cause the compressor to switch on unnecessarily often.
- Do not place warm foods inside the appliance. Allow warm foods to cool first.
- Put frozen food in the fridge to defrost. The cold in the frozen food will then be used to cool the fridge.

Hints for refrigeration

- Do not store warm food or evaporating liquids in the refrigerator and do cover or wrap up the food, particularly if it has a strong smell.

The refrigerator compartment is fitted with a fan. This quickly cools food stuffs and ensures optimal distribution of the temperature between the fridge and the 0°C compartment.

To help you use your refrigerator correctly, here are some useful hints:

- **Cooked food, cold cuts, jelly, etc.:** these should be well covered and can be stored on any of the glass shelves.
 - **Butter & cheese:** these should be placed in special airtight containers or wrapped in aluminium foil or polythene bags to keep out as much air as possible.
 - **Milk bottles:** these should have a top and should be stored in the bottle rack on the door.
- Bananas, potatoes, onions and garlic, if not packed, must not be kept in the refrigerator.**

Freezer compartment

Temperature Control

- To freeze fresh foods it is not necessary to change the temperature setting.
- Switch on the Superfrost function a few hours before freezing fresh items. Press the Superfrost button (7). The yellow indicator (6) will light up.
- In this condition, the refrigerator compartment temperature might drop below 0°C. If this occurs switch off the Superfrost function. To do that, press the Superfrost button (7) again. The yellow indicator (6) will go off.

Superfrost function

The Superfrost function accelerates the freezing of fresh food and, at the same time, protects foodstuffs already stored from undesirable warming.

- The Superfrost function is switched on by pressing the Superfrost button (7). The yellow light illuminates (6).
If the Superfrost function is not ended manually, the appliance electronics switch off the Superfrost function after 48 hours. The yellow light goes out.
- The Superfrost function can be ended manually at any time by pressing the Superfrost button again. The yellow light goes out.

Interior Accessories

Ice-cube production

This appliance is equipped with one or more trays for the production of ice-cubes. Fill these trays with water, then put them in the freezer compartment.



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

Hints

Freezing of fresh food and storage of frozen food

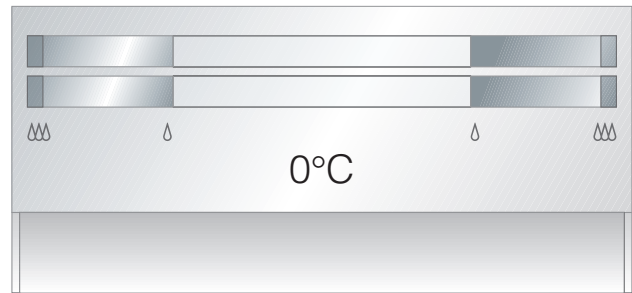
- Prepare food in small portions to enable it to be rapidly and completely frozen and to make it possible subsequently to thaw only the quantity required.
- Wrap up the food in aluminium foil or polythene and make sure that the packages are airtight.
- Do not allow fresh, unfrozen food to touch food which is already frozen, thus avoiding a rise in temperature of the latter.
- Do not touch frozen food with wet hands. Your hands could stick to the food and cause skin abrasions.
- It is advisable to show the freezing-in date on each individual pack to enable you to keep tab of the storage time.
- Be sure that frozen foodstuffs are transferred from the foodstore to the freezer in the shortest possible time.
- **Do not put carbonated liquids (fizzy drinks, etc.) in the freezing compartment as they may burst.**
- Once defrosted, food deteriorates rapidly and cannot be refrozen.

0°C compartment



- In the 0°C compartment the temperature is controlled automatically. It stays constantly at about 0°C, no adjustment is necessary.
- The constant storage temperature of about 0°C and the relative humidity of between 45 and 90 % provide optimal conditions for the various kinds of food.
- You can therefore store a variety of fresh food in the 0°C compartment, where it will last up to 3 times longer with better quality compared to normal refrigerator compartments. This allows you to stock more fresh food. Taste, degree of freshness, quality and nutritional values (vitamins and minerals) are well preserved. Loss of weight in vegetables and fruit diminishes. Food yields a higher degree of nutritional value.
- The 0°C compartment is also suitable for defrosting food. In this case the thawed food can be stored up to two days in the 0°C compartment.
- The compartment has stops to prevent the drawers from falling out when fully extended. To remove the drawers (e.g. for cleaning purposes), pull them out as far as the stops, lift and extract.

Humidity control

- Both drawers can be used according to the desired storage conditions independently of each other with lower or higher humidity.



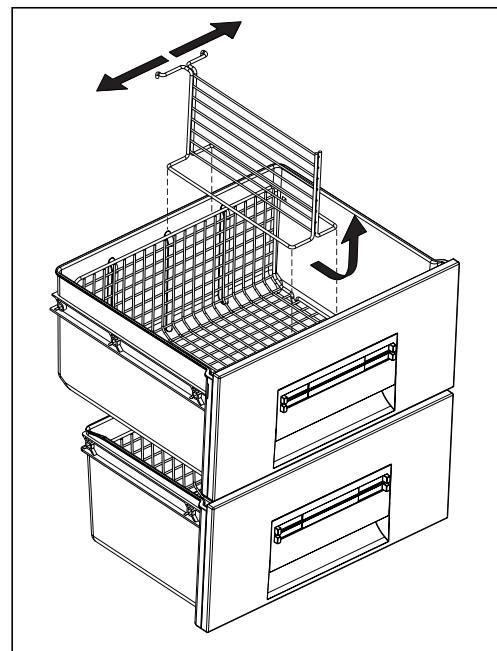
Regulation for each drawer is separate and is controlled using the slide valve at the front of the drawer.

- **„Dry“:** low air humidity - up to 50 % relative humidity.
This humidity level is reached when both sliders are set into this position  and the ventilation openings are wide open.
- **„Humid“:** high relative humidity - up to 90 %.
This humidity level is reached when both sliders are set in this position  and the ventilation openings are closed. Humidity is kept and can not escape.

0°C compartment - Interior Accessories

Drawers

- The wire shelves inside the drawers permit that air can circulate freely and consequently a better conservation of foods.



- The top drawer is equipped with a removable divider.
- Depending on the individual need the divider can

be placed in different positions. Thereby various food can be stored clear and separated. Storage conditions are equal in both sections. It is not possible by using the divider to split up the basket in a dry and humid compartment.








- The design of the upper drawer permits you to clean it, by removing the divider.

Hints

- Pay attention to the freshness of the food, especially on the expiry date. Quality and freshness influence the storage time.
- Foods, and especially salad, must be kept well covered or packaged in such a way that they do not dry out and that their flavours and fragrances remain unchanged.
- Animal food always store packed and dry.
- Food rich in proteins will go bad quicker. This means seafood will spoil before fish which in turn will spoil before meat. While storing food in a 0°C compartment storage time for that kind of food can be increased by up to three times as well without loss on quality.
- All food stored in a 0°C compartment should be taken out of the drawers roughly 15-30 min before consumption, particularly fruit and vegetables to be consumed without any additional cooking process. Allowing fruit and vegetables to return to room temperature will improve the texture and flavour.
- The level of air humidity in the drawers depends on the content of humidity in the stored food, vegetable and fruit and on the frequency of door opening.
- The 0°C compartment is also suitable for slow thawing of food. In this case the thawed food can be stored in the 0°C compartment for up to two days.

Cakes containing cream and other kinds of pastry products can be stored in the 0°C compartment for 2 or 3 days.

Storage time in the 0°C compartment for fresh food

Type of food	Air humidity adjustment	Storage time
Onion	 "dry"	up to 5 months
Butter	 "dry"	up to 1 month
Large pork cuts	 "dry"	up to 10 days
Beef, venison, small pork cuts, poultry	 "dry"	up to 7 days
Tomato sauce	 "dry"	up to 4 days
Fish, shellfish, cooked meat products	 "dry"	up to 3 days
Cooked seafood	 "dry"	up to 2 days

Type of food	Air humidity adjustment	Storage time
Salad, vegetables Carrots, herbs, Brussels sprouts, celery	 "humid"	up to 1 month
Artichokes, cauliflower, chicory, iceberg lettuce, endive, lamb's lettuce, lettuce, leeks, radicchio	 "humid"	up to 21 days
Broccoli, Chinese leaves, kale, cabbage, radishes, Savoy cabbage	 "humid"	up to 14 days
Peas, kohlrabi	 "humid"	up to 10 days
Spring onions, radishes, asparagus, spinach	 "humid"	up to 7 days
Fruit (*) Pears, dates (fresh), strawberries, peaches (*)	 "humid"	up to 1 month
Plums (*), rhubarb, gooseberries	 "humid"	up to 21 days
Apples (not sensitive to cold), quinces	 "humid"	up to 20 days
Apricots, cherries	 "humid"	up to 14 days
Damsons, grapes	 "humid"	up to 10 days
Blackberries, currants	 "humid"	up to 8 days
Figs (fresh)	 "humid"	up to 7 days
Blueberries, raspberries	 "humid"	up to 5 days


(*) The riper the fruit, the shorter the storage time

Not to be placed in the 0°C compartment:

- cold sensitive fruit which have to be stored at cellar or room temperature like pineapple, bananas, grapefruit, melons, mango, papaya, oranges, lemons, kiwi fruit.
- The types of food not mentioned above should be stored in the refrigerator compartment (e.g. all sorts of cheese, cold cuts, etc.).

Maintenance

 **Unplug the appliance before carrying out any maintenance operation.**

 **Warning**
This appliance contains hydrocarbons in its cooling unit maintenance and recharging must therefore only be carried out by authorised technicians.

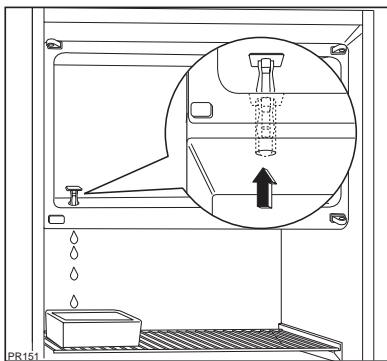
Defrosting

Refrigerator compartment


- Defrosting the refrigerator compartment is automatic thanks to an electrical heater assigned to this purpose on the concealed evaporator.
- During defrosting, the air re-circulation fan is off.
- The defrost water drains out through a trough into a container at the back of the appliance, above the motor compressor, where it evaporates. This recipient cannot be removed.

Freezer compartment

- Remove the frost with a plastic scraper.
- Whenever the thickness of the frost exceeds 5 mm complete defrosting should be carried out.
Proceed as follows:
- Remove any stored food, wrap it in several layers of newspaper and put it in a cool place.
- Switch off the appliance or pull out the plug from the wall socket or.
- Leave the door open, place a basin on the top shelf of the refrigerator compartment, under the drain hole, remove the plug as shown in the figure.




- When defrosting is completed, dry the interior thoroughly and refit the plug.
- Turn the thermostat knob back to the required setting or replace the plug in the power socket.
- Reload the previously removed food into the compartment.

 **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.

Cleaning

 **Never use metal objects for cleaning your appliance as it may get damaged.**

NEVER use detergents, abrasive powders, highly perfumed cleaning products or wax polishes to clean the interior as these will damage the surface and leave a strong odour.

Clean the inside with warm water and bicarbonate of soda. Rinse and dry thoroughly.

0°C compartment


- The lowest shelf, dividing the cooler compartment from the 0°C compartment can be removed for cleaning. To remove pull out the shelf straight.
The cover plates above the drawers in the 0°C compartment can be taken out for cleaning. To make sure fully functionality of the 0°C compartment the cover must be put back in their original position after cleaning.

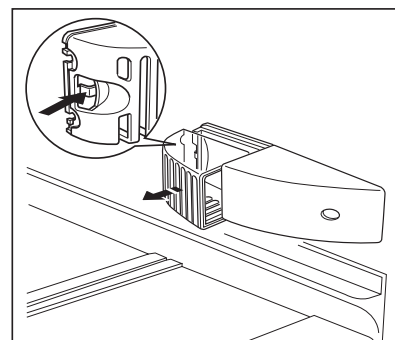
When the appliance is not in use

Disconnect the appliance from the electricity supply. Empty all foods and clean the appliance, leaving the doors ajar to prevent unpleasant smells.

Changing the light bulb

- Should the interior light fail to work, first switch off the appliance and disconnect from the electricity supply.
- Press on the rear hook and at the same time slide the cover in the direction indicated by the arrow.

 **Replace the lamp with one of the same power (the maximum power is shown on the light diffuser).**



Something not Working

Problems may be due to causes which can easily be solved before calling the Technical Service. Please follow these instructions:

SYMPTOM	SOLUTION
Door does not close	Weight surpasses the storage limit of the door shelf so spread weight more evenly or take some products out. The appliance is not properly installed. Please look in the "Building-in" section.
It is too warm inside the refrigerator	Set a lower temperature. Distribute the food products to allow cold air to circulate around them. Make sure that the door is completely closed and that the insulating strip is complete and clean. The temperature where the cabinet is placed is above normal room temperature.
It is too cold inside the refrigerator.	Set a warmer temperature.
The compressor works continuously.	Set a warmer temperature. The temperature where the cabinet is placed is above normal room temperature. Check that the ventilation is sufficient and that the ventilation openings are unobstructed. The cause could be the introduction of large quantities of food and/or frequent opening/closing of the door.
Noises	Sometimes this is normal. Temperature control may cause clicking sounds when the system is connected or disconnected. The injected cooling gas may produce a gurgling sound while passing through the tubes. The motor may cause a humming noise and/or slight bumping. The insulation material used has a tendency to slightly increase noise levels, however it allows for much better insulation and a lower energy consumption. Your appliance is equipped with a dynamic air ventilation system. To ensure optimal cooling performance in the refrigerator and 0°C compartment the fan is operated with various power levels. This results in the fan operating at different speeds for different lengths of time. This is quite normal and not a fault with the appliance.

Malfunctions

If the electronics in the appliance have detected a fault that prevents the ACTUAL temperature being measured, the temperature display shows a square. The appliance will continue to function using a backup programme until your local Customer Service engineer has repaired the appliance.

Customer service and spare parts

If you cannot find the remedy for a malfunction in these operating instructions, please contact your dealer or our customer service department and consult the Guarantee card.

Selective ordering of replacement parts can save unnecessary travel and costs.

For this reason always provide the following appliance information:

- **Model Name**
- **Model Number (PNC)**
- **Serial Number (S-No.)**

This information can be found on the rating plate inside the cabinet on the left hand wall. We recommend that you enter this information here, so that it is handy if needed.

Technical specifications

The technical data is indicated in the rating plate on the left side inside the appliance.



If there is a power failure when food is in the freezer, do not open the door of the freezer compartment. The frozen food will not be affected if the power cut is of short duration (up to 12 hours) and the freezer compartment is full, otherwise, it is recommended that the food should be used within a short time (a temperature increase of the frozen food shortens its safe storage period).

Installation

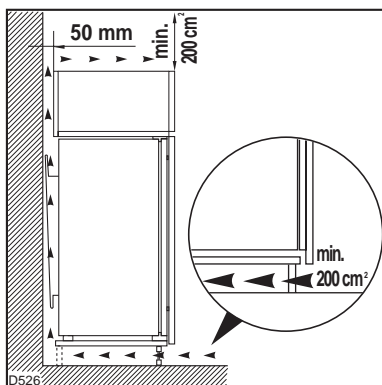


Take utmost care when handling your appliance so as not to cause any damages to the cooling unit with consequent possible fluid leakages.

- During normal operation, the condenser and compressor at the back of the appliance heat up considerably. Always ensure that there is adequate ventilation as a failure to do this will result in component failure and possible food loss. See installation instructions.
- **Important:** if the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

Positioning

- Unpack the cabinet and check that it is in good condition and free of any transport damage.
- **The appliance must not be located close to radiators or gas cookers.**
- Avoid prolonged exposure of the appliance to direct sunlight.
- For safety reasons, minimum ventilation must be as shown in Fig.



Attention: keep ventilation openings clear of obstruction.

- It is necessary that the niche is provided with a conduct of ventilation having the following dimensions:
Depth 50 mm
Width 540 mm

The climate classification can be found on the rating plate, which is located inside the cabinet on the left hand wall.

The following table shows which ambient temperature is correct for each climate classification:

Climate classification	for an ambient temperature of
SN	+10 to +32°C
N	+16 to +32°C
ST	+18 to +38°C
T	+18 to +43°C

In order for the appliance to run properly in certain conditions a slight heating of the back surface of the inner container can take place.

Electrical connection

Before plugging in, ensure that the voltage and frequency shown on the serial number plate correspond to your domestic power supply. Voltage can vary by $\pm 6\%$ of the rated voltage. For operation with different voltages, a suitably sized auto-transformer must be used.



Important

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 specialist technician.

The Manufacturer declines all responsibility if the above safety precautions are not observed.

This appliance complies with the following E.E.C. Directives:

- CE - 87/308 EEC of 2/6/87 relative to radio interference suppression.
- 73/23 EEC of 19.2.73 (Low Voltage Directive) and subsequent modifications.
- 89/336 EEC of 3.5.89 (Electromagnetic Compatibility Directive) and subsequent modifications.

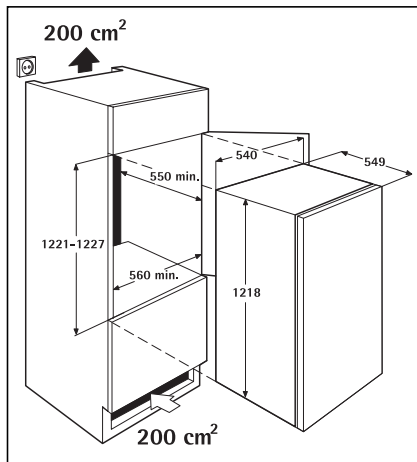


Attention!

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

Building-in

Dimensioned drawing



See „Installation Instructions“ supplied.

Please check whether, after installing your appliance and especially after reversing the door, the door seal seals right round. A badly fitting door seal may lead to heavy frosting and thereby to a higher power consumption.



Warning!

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 up the part involved with a normal hairdrier.

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