

24" Built-in Oven

Safety & Installation Instructions



WARNING: Read all safety instructions before using the product. If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

BWOS24220SS

Blomberg
seit 1883



RECYCLED &
RECYCLABLE PAPER

385.4452.57_1/ R.AA /04.03.2025

WARNING

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WARNING

This appliance is intended for normal household use only. It is not approved for outdoor or other non-household uses (including sea or air-going vessels). See the Statement of Limited Warranty. If you have any questions, contact the manufacturer.

Do not repair or replace any part of the appliance unless specifically recommended in this manual. Refer all servicing to a factory authorized service center

**PLEASE READ THESE INSTRUCTIONS CAREFULLY
BEFORE INSTALLATION OR USING YOUR APPLIANCE !
SAVE THESE INSTRUCTIONS**

⚠ WARNING

Save these instructions for the local electrical inspectors use.

This product can only be used in the rooms which incorporates a properly adjusted and functioning Carbon Monoxide sensor. Make sure the Carbon Monoxide sensor works properly and its maintenance done frequently. Carbon Monoxide sensor should be installed maximum 6.5 feet away from the product.

**THE INSTRUCTIONS WILL HELP YOU TO OPERATE THE
APPLIANCE SAFELY !**

- Upon delivery, please check that the appliance is not damaged. If you note any transport damage, please contact your point of sale immediately and do not connect and operate the appliance!
- Before you connect and start using the appliance, please read this manual and all enclosed documents. Please note in particular the safety instructions.
- Keep all documents so that you can refer to the information again later on.

Please keep your receipt for any repairs which may be required under warranty.

- When you pass on the appliance to another person, please provide all documents including original date of purchasing. Warranty is not valid if the product is sold second hand.
- If you should decide not to use this appliance any longer (or decide to substitute an older model), before disposing of it, it is recommended that it be made inoperative in an appropriate manner in accordance to health and environmental protection regulations, ensuring in particular that all potentially hazardous parts be made harmless, especially in relation to children who could play with old appliances. Remove the door and the warming drawer before disposal to prevent entrapment.

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TECHNICAL INFORMATION

General	
Overall Height	595 mm (23" 27/64)
Overall Width	594 mm (23" 25/64)
Overall Depth	567 mm (22" 24/64)
Total electric power	2,6 kW
Electrical connection	120/240 V~;60 Hz 1AC~N
Cable type / Cross section / Fuse	BC-SIL 4X15 AWG/ min. 20 A
Cable length	max. 6ft

This device corresponds to the following standards: UL 858 Household Electric Ranges directive.

- ❶ Technical specifications may be changed without prior notice to improve the quality of the product.
- ❶ Figures in this manual are schematic and may not exactly match your product.
- ❶ Values stated on the product labels or in the documentation accompanying it are obtained in laboratory conditions in accordance with relevant standards. Depending on operational and environmental conditions of the product, these values may vary.

Product ID Number Plate

The serial number and model number for your appliance can be found by opening the door and looking under the control panel on the right side.

Example of the Serial Number

Blomberg

BWOS24220SS

120/240 V AC;60 Hz

2,6 kW

7732186205 24 999999 07



Energy Verified
Rendement
Énergétique Vérifié

IMPORTANT SAFETY INFORMATION

Be sure to observe all listed warnings and cautions. Look particularly for the icons with exclamation marks inside. The information icon will also provide important references.

-  **Warning:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **Caution:** Indicates a potentially hazardous situation which, if not avoided, may result in injury. It may also be used to alert against unsafe practices.
-  **Information:** Indicates a potentially hazardous situation which, if not avoided, may result in damage to the dishwasher, the table-ware, the equipment or the environment.

IMPORTANT SAFETY INSTRUCTIONS

- The manufacturer reserves its right to make changes in the technical specifications in order to improve the appliance quality without any prior notice. Figures included in this manual are for schematic purpose only and may not match exactly with your appliance. Values stated on the markings of the appliance or in other printed documents supplied with the appliance are obtained under laboratory conditions as per relevant standards. These values may vary according to the usage of the appliance and ambient conditions.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of appliance by a person responsible

for their safety.

- Children should be supervised to ensure that they do not play with the appliance.
- **DO NOT** operate the appliance if it is defective or shows any visible damage.
- **NEVER** use appliance for warming or heating a room.
- **DO NOT** store paper products, cooking utensils, food, or any flammable materials in the oven.
- **DO NOT** use the oven with front door glass removed or broken.
- Keep all ventilation ducts clear of obstruction.
- Keep appliance area clear and free from combustible materials, gasoline, and other flammable vapors.
- **User Servicing - DO NOT** repair or replace any part of the appliance unless specifically recommended in the manual. All other servicing should be referred to a qualified technician.
- To avoid risk of serious injury or death, repairs should not be attempted by unauthorized personnel.

COOKING SAFETY INSTRUCTIONS

- **DO NOT** use water to extinguish grease fires. If a fire occurs, smother the fire by closing the oven door and turning the oven off or by using a multi-purpose dry chemical or foam-type fire extinguisher.
- Keep oven free from grease buildup. Grease in the oven may ignite.
- **NEVER** leave a broiler pan or roasting

IMPORTANT SAFETY INFORMATION

tray in or on the oven. After broiling, always take any broiler pan out of the oven and clean it. Leftover grease in a broiler pan can catch fire next time you use the pan.

- **Wear Proper Apparel** - Loose fitting or hanging garments should never be worn while using the appliance. Be careful when reaching for items stored over the oven. Flammable material could be ignited if brought in contact with hot surfaces or heating elements and may cause severe burns.
- **DO NOT TOUCH HEATING ELEMENTS OR INTERIOR SURFACES OF OVEN** – Heating elements may be hot even though they are dark in color. Interior surfaces of an oven become hot enough to cause burns. During and after use, do not touch, or let clothing or other flammable materials contact heating elements or interior surfaces of oven until they have had sufficient time to cool. Other surfaces of the appliance may become hot enough to cause burns – among these surfaces are (identification of surfaces – for example, oven vent openings and surfaces near these openings, oven doors, and windows of oven doors).
- **DO NOT** cook on a product with broken glass. Avoid scratching or impacting glass doors or control panels. Doing so may lead to glass breakage.
- Use care when opening door. Let hot air or steam escape before removing or replacing food.
- **DO NOT** heat unopened food containers. Build-up of pressure may cause containers to burst and result in injury.
- Ensure no flammable materials are adjacent to the appliance.
- **DO NOT** place baking trays, dishes, or aluminum foil directly onto the bottom of the oven.
- **DO NOT** use aluminum foil to line drip pans or anywhere in the oven, except as described in this manual. Foil can trap heat or melt, resulting in damage to the product and a shock or fire hazard.
- **DO NOT** use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.
- **Placement of oven racks** - Always place oven racks in desired location while oven is cool. If rack must be moved while oven is hot, do not let potholder contact hot heating element in oven.
- **Use Only Dry Potholders** - Moist or damp potholders on hot surface may result in burns from steam. Do not let potholders touch hot heating elements. Do not use a towel or other bulky cloth.
- Always use dry potholders or heat-resistant gloves when inserting or removing the dishes to the oven.
- **NEVER** use when judgment or coordination is impaired by the use of alcohol and/or drugs.
- Pull the oven rack to the stop-lock position when loading and unloading food from the oven. It is also a precaution against burns from touching hot surfaces of the door or oven walls.
- **DO NOT** let food sit in oven for more than 1 hour before or after cooking. Doing so can result in food poisoning or sickness.
- Ensure all controls are off after use.
- **Storage in or on Appliance** - Flammable materials should not be stored in an oven or near surface units.

IMPORTANT SAFETY INFORMATION

- **Do Not Use water or Grease Fires** - Smother fire or flame or use dry chemical or foam-type extinguisher.
- Keep oven vent ducts unobstructed.

CHILD SAFETY

To avoid risk of serious injury or death:

- Accessible parts may be hot when the broil is in use. Young children should be kept away.
- **Do Not Leave Children Alone** - Children should not be left alone or unattended in the area where the appliance is in use. They should never be allowed to sit or stand on any part of the appliance.
- **DO NOT** store items of interest to children in the cabinets above the appliance. Children climbing on the range to reach items could be seriously injured.
- **DO NOT** allow children to climb or play around the oven. The weight of a child on an open door may cause the oven to tip resulting in serious burns or other injury.
- Surface units may be hot even though they are dark in color. Areas near surface units may become hot enough to cause burns.
- Stepping, leaning or sitting on the door of this oven can result in serious injuries and also cause damage to the oven. Do not allow children to climb or play around the oven. The weight of a child on an open door may cause the range to tip, resulting in serious burns or other injury.

SAFETY FOR ELECTRICITY

- ▲ **Warning:** Before installing, turn power OFF at the service panel. Lock service panel to prevent power from being turned ON accidentally.
- ▲ **Warning:** Personal injury or death from electrical shock may occur if the range is not installed by a qualified installer or electrician.
- Any additions, changes or conversions required in order for this appliance to satisfactorily meet the application needs must be made by a qualified technician.
- Before performing any service, unplug the range or disconnect the power supply at the household distribution panel by removing the fuse or switching off the circuit breaker.
- Ensure that the fuse rating is correct.
- Do not operate the appliance barefooted.
- Never touch the appliance with wet hands or feet.

INTENDED USE

- The manufacturer declines all liability for injury to persons or damage to property caused by incorrect or improper use of the appliance.
- This product is designed for domestic cooking purposes only. This unit is not designed for outdoors or in marine use (Boats, yacht, etc.) and for any other uses such as room heating or drying towels and dish cloths. Commercial use will void the guarantee.
- Never use your appliance for warming or heating the room.
- All openings in the wall behind the appliance and in the floor under the

IMPORTANT SAFETY INFORMATION

appliance shall be sealed.

- This appliance is not intended to use at mobile homes, recreational vehicles.
- The appliance can be used for defrosting, baking, roasting and broiling food.

CARE AND MAINTAINANCE

- If a wet sponge or cloth is used to wipe spills on a hot cooking area, be careful to avoid steam burn. Some cleaners can produce noxious fumes if applied to a hot surface. Utensil handles should be turned inward and not extend over adjacent surface units. To reduce the risk of burns, ignition of flammable materials, and spillage due to unintentional contact with the utensil, the handle of a utensil should be positioned so that it is turned inward, and does not extend over adjacent surface units.
- Wait for the product to cool before cleaning the product. Hot surfaces may cause burns!
- Never wash the product by spraying or pouring water on it! There is the risk of electric shock!
- Do not use steam cleaners to clean the product as this may cause an electric shock.
- Do not use harsh abrasive cleaners, metal scrapers, wire wool or bleach materials to clean the oven front door glass. These materials can cause glass surfaces to be scratched and broken.

DISPOSAL

- ⚠ Warning: Risk of suffocation by the packaging materials!**
Packing elements (i.e. plastic bags, polystyrene foam, nails, packing straps,

etc.) should not be left around within easy reach of children, as these may cause serious injuries.

- The packaging material and transport locks are made from materials that are not harmful to the environment. Please dispose of all parts of the packaging according to environmental standards.

- This is beneficial to the environment.

! Caution: If product will be given to someone for personal use or given to someone for second hand use, User manual, product labels, other related documents, mounting parts etc. should be given with product.

FUTURE TRANSPORTATION

- Do not carry out cleaning or maintenance operations on the appliance without having previously disconnected it from the electric power supply.
- ① Do not place other items on the top of the appliance. The appliance must be transported upright.
- Store the appliance's original box and transport the appliance in its original carton. Follow the guidance marks that are printed on the carton.
- ① Verify the general appearance of your equipment by identifying possible damage during the transportation.
- To prevent the wire shelf and tray inside the oven from damaging the oven door, place a strip of cardboard onto the inside of the oven door that lines up with the position of the trays. Tape the oven door to the side walls.
- If you do not have the original carton, pack the appliance in bubble wrap or thick cardboard and tape it securely in order to prevent damage during transportation.

INSTALLATION

Preparation of location and electrical installation for the oven is the customer's responsibility. The appliance should be properly installed and grounded by a qualified technician. The appliance must be installed in accordance with all local electrical regulations. Prior to installation, visually inspect the appliance for any defects. Do not install a defective appliance.

⚠ Caution: The product should only be installed by suitably qualified electricians.

⚠ Caution: **Always keep this manual for future reference.**

- Preparation of location and electrical installation for the product is under customer's responsibility.
- The product must be installed in accordance with all local electrical regulations.
- Prior to installation, visually check if the product has any defects on it. If so, do not have it installed.
- Damaged products cause risks for your safety.

ELECTRICAL REQUIREMENTS

This appliance must be supplied with the proper voltage and frequency and be connected to an individual, properly grounded branch circuit protected by a circuit breaker or fuse. See the rating plate located on the side trim to determine the rating of the appliance. Use the chart below to determine the minimum recommended dedicated circuit protection to ensure correct fuse rating.

kW Rating 240 V	Recommended Circuit Size (Dedicated)
<4.8 kW	20 Amp

The main supply data must correspond to the data specified on the rating plate of the appliance. The rating plate is located either on the inside trim when opening the door or lower cover, or on the rear wall of the appliance.

⚠ Warning: To avoid risk of electrical shock, serious injury, or death, verify electrical power is turned off at the breaker box until oven is installed and ready to operate.

This appliance is manufactured with a green GROUND wire connected to the oven chassis. Ensure power is disconnected or turned off at the main supply before making any electrical connections. Connect the flexible conduit to the junction box using a U.L. listed conduit connector. The following procedures present the most common ways of making electrical connections to the appliance. Ensure electrical connections are made in accordance with local codes and ordinances.

The appliance should be installed and connected to electrical power in accordance with national and local regulations. In the absence of codes, the National Fuel Gas Code ANSI Z223.1/ NFPA-54 - latest edition must be followed.

In Canada, installation must be in accordance with the current CAN/CGA B149.1 & 2 Gas Installation codes and/or local codes. Electrical installation must be in accordance with the current CSA C22.1 Canadian Electrical Codes Part 1 and/or local codes.

The installer must leave these instructions with the consumer who should retain for local inspector's use and for future reference.

It is important the installation location has an adequate electrical system. Prior to installation, a qualified electrician should

INSTALLATION

ensure the addition of the appliance will not overload the branch circuit on which it will be installed.

Turn off power at main supply before installing the appliance. The product should not be connected to the main supply prior to installation. Main power must be shut off before removing the appliance for cleaning or servicing.

Do not remove permanently affixed labels, warnings, or plates from oven. This may void the warranty.

UNPACKING

⚠ Warning: Risk of suffocation by the packaging materials! Packing elements (i.e., Plastic bags, polystyrene foam, nails, packing straps, etc.) Should not be left around within easy reach of children, as these may cause serious injuries or death.

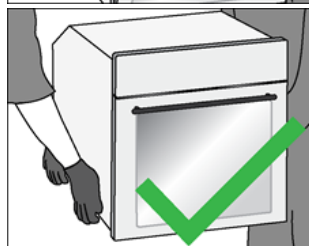
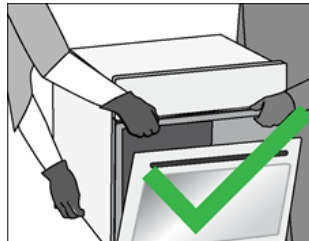
⚠ Caution: To avoid risk of injury, or product or property damage:

- Use two or more people or suitable lifting device when lifting appliance.
- Remove and discard all packing materials, including cardboard and tape on the outside and inside of the range.
- Remove any plastic protective wrap on all parts.
- Thoroughly wash the interior with hot, soapy water, rinse, and wipe dry.
- Dispose of all packing materials according to environmental standards.
- Check for possible shipping damage immediately after receipt. If the oven is found to be damaged, contact your point of sale immediately.
- DO NOT connect and operate the oven if any damage was found.

- Note the time, date, and who was spoken to, and follow up and confirm with written or electronic communication.
- All original packing materials must be kept for inspection purposes.
- Use safety gloves before carry the oven.
- Put the oven into the cabinet by two or more people.
- Don't carry or lift the oven from its handle or front panel.



- Carry the oven like in the figures below.



INSTALLATION

BEFORE INSTALLATION

The appliance is intended for installation in commercially available kitchen cabinets. A safety distance must be left between the appliance and the kitchen walls and furniture. See figure (values in mm).

- Surfaces, synthetic laminates and adhesives used must be heat resistant.
- Kitchen cabinets must be set level and fixed.
- If there is a drawer beneath the oven, a shelf must be installed between oven and drawer.
- The following installation drawings are representational and may not match exactly with your appliance
- Product guarantee will be valid after proper installation. Manufacturer will not be responsible any hazard or damage of improper installation or usage.
- Don't pull the oven on the floor during transportation in order to avoid damages on the floor surface. Always carry your product by using two or more people.
- Remove all shipping materials inside or outside of the oven.
- Remove all equipments inside of the oven including the printed documents.



Important notes to the consumer

Keep this manual for future reference.

- As when using any oven generating heat, there are certain safety precautions you should follow. These are listed in the front of this manual. Read and follow carefully.
- Be sure your range is installed and grounded properly by a qualified installer or service technician.



Important notes to the installer

Read manual before installing the range.

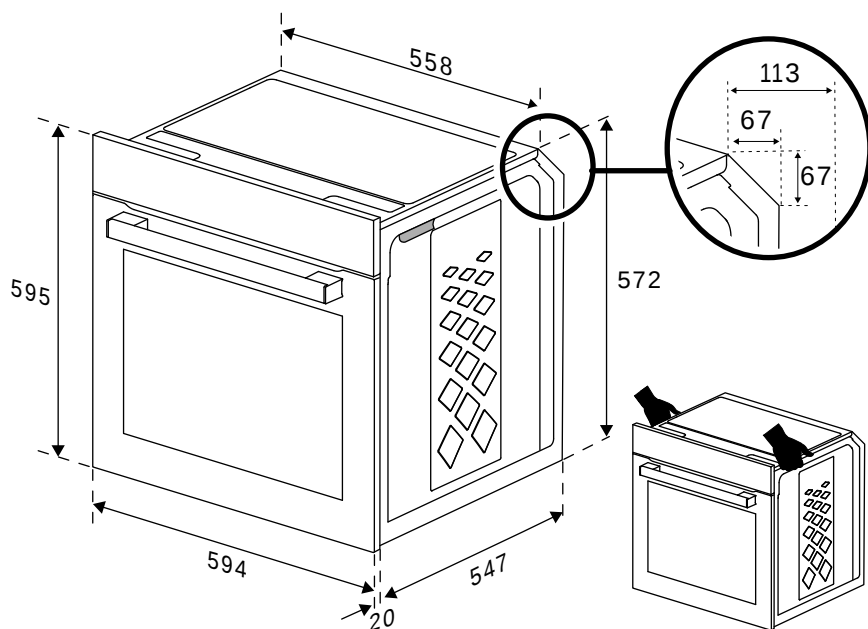
- Observe all governing codes and ordinances.
 - Be sure to leave these instructions with the consumer.
 - Be sure your oven is installed and grounded properly by a qualified installer or service technician.
- ① Before installing the range in an area covered with linoleum or any other synthetic floor covering, make sure the floor covering can withstand heat at least 90°F (32.2°C) above room temperature without shrinking, warping or discoloring.

Installation Conditions

- All dimensions given in this manual are in inches and milimeters.
- The oven has dimensions given in Figure B.
- The product should be installed to the cabinets with the dimensions specified for different types of locations.
- The first step of the installation is to check the dimensions of your existing cut out. For new furniture orders, these dimensions should be considered.
- All cabinet works, if necessary should be completed before installation and all remains of the work should be cleaned before installation.
- Kitchen cabinet should be fixed and level so that the fix oven can't tilt.
- The board of the cabinet on which the oven to placed should withstand 220 lbs (100 kg) or more.
- If there is a drawer beneath the oven, a shelf must be installed between the oven and drawer.

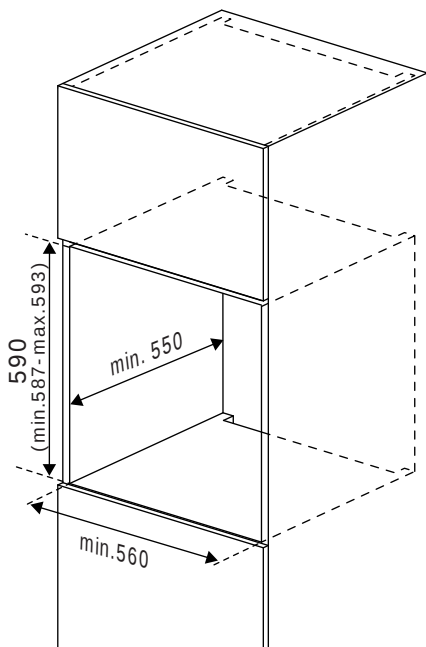
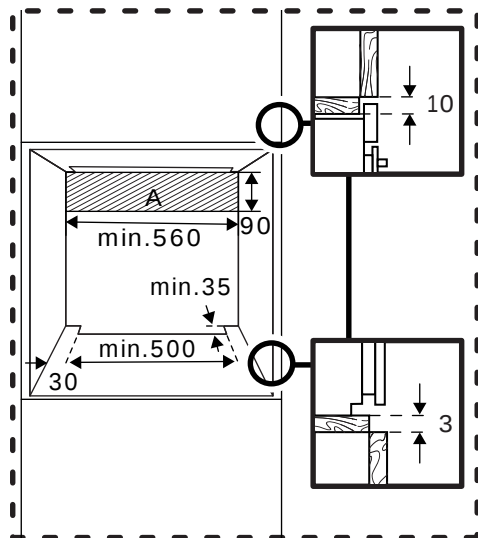
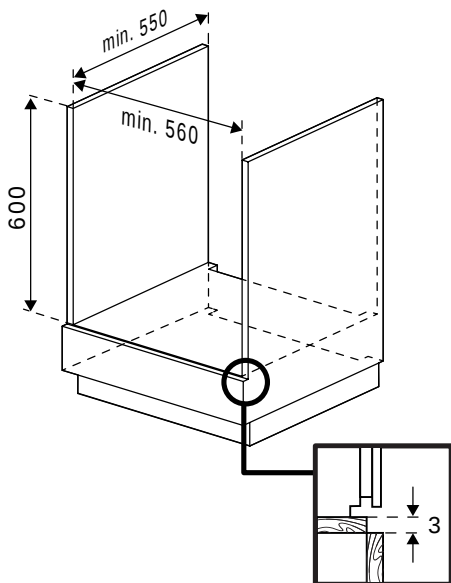
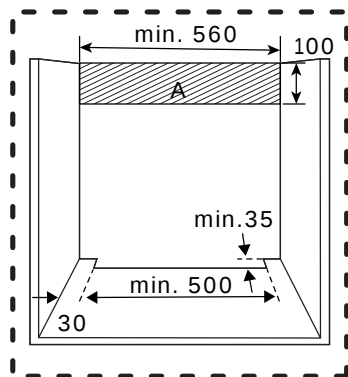
INSTALLATION

DIMENSIONS



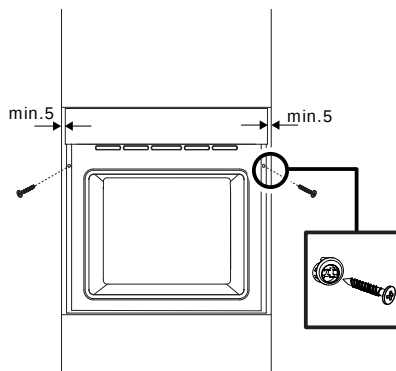
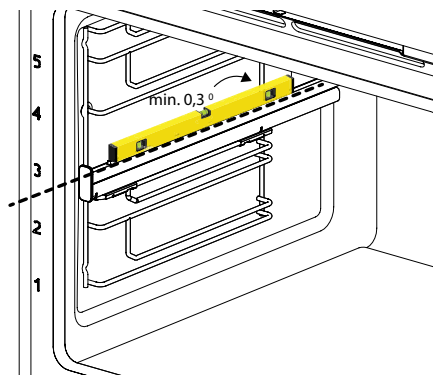
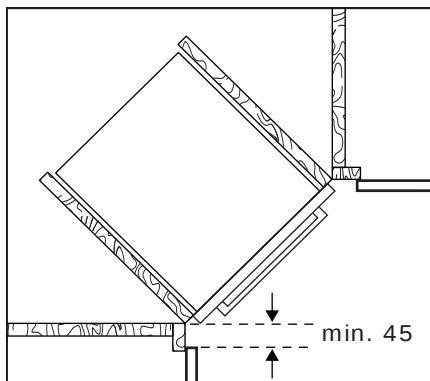
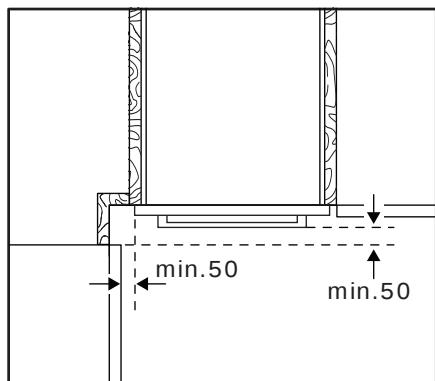
INSTALLATION

CUTOUT DIMENSIONS



INSTALLATION

DIMENSIONS



INSTALLATION

INSTALLING THE PRODUCT

If the product will be placed under the counter: (Figure 2)

In order to provide the necessary ventilation in the back of the kitchen furniture, openings should be created in the dimensions shown in figure 2.

The electrical connection must be in the area A in figure 2 or outside the installation site.

If the product is to be placed under a hob, follow the dimensions given in the hob installation manual.

If the product will be placed in the tall cabinet: (Figure 3)

In the back compartment of the kitchen furniture, openings should be created in the dimensions shown in figure 3 in order to provide the necessary ventilation. This opening should be along the height of the cabinet.

If there is a back panel of the tall cabinet where the product will be placed, it must be removed.

The electrical connection must be in the A area in figure 3 or outside the installation area.

If the product will be placed to corner: (Figure 4a-4b)

Attention should be paid to the dimensions given in order to make the corner installation in the figure 4a and 4b.

Connecting the appliance to the electricity supply

① Electrical installation should comply with national and local codes.

① This appliance must be grounded!

▲ **Warning:** Avoid fire hazard or electrical shock. Do not use an adapter plug, an extension cord, or remove grounding

prong from electrical power cord, have a qualified electrician install an outlet near the appliance. Failure to follow this warning can cause serious injury, fire or death.

▲ **Warning:** Power supply! The main power supply lead must not be clamped, bent or trapped or come into contact with hot parts of the appliance. If the main power supply is damaged, it must be replaced by a qualified electrician.

Be sure your appliance is properly installed and grounded by a qualified technician. Ask your dealer to recommend a qualified technician or an authorized repair service.

This appliance is manufactured with a green GROUND wire connected to the oven chassis. After making sure that the power has been turned off, connect the flexible conduit from the oven to the junction box using a U.L. listed conduit connector. Figures A and B and the instructions provided below present the most common way of connecting the ovens. Your local codes and ordinances, of course, take precedence over these. Complete electrical connections according to local codes and ordinances.

▲ **Warning:** Risk of Electric Shock or Fire. Grounding through the neutral conductor is prohibited for new branch circuit installations (1996 NEC), mobile homes, and recreational vehicles, or in an area where local codes prohibit grounding through the neutral conductor.

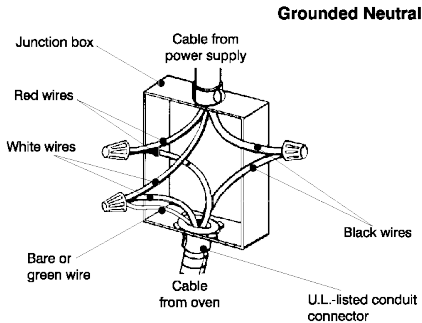
For installations where grounding through the neutral conductor is prohibited:

- Disconnect the ground from the neutral at free end of conduit;
- Use grounding terminal of lead to ground unit; and
- Connect neutral terminal or lead to branch circuit neutral in usual manner.

INSTALLATION

Wire branch circuit (for US only)

Figure A



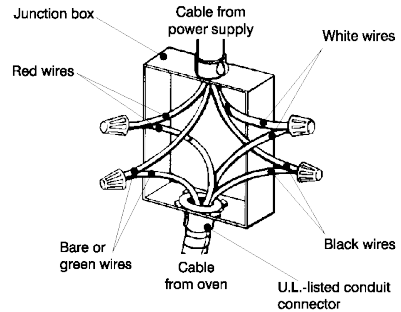
Refer to Figure A, where local codes allow the connection of GROUND wire from the oven to the branch circuit NEUTRAL wire (gray or white colored wire):

- If local codes permit, connect the green GROUND wire from the oven and white wire from the oven to the branch circuit NEUTRAL wire (gray or white colored wire).
- Connect the red and black leads from the oven to the corresponding leads in the junction box.

Wire branch circuit (for US and Canada)

Figure B

Ungrounded Neutral



Refer to Figure B:

- Disconnect ground from neutral at free end of conduit.
- Connect the green GROUND wire from the oven to the GROUND wire in the junction box (bare or green colored wire).
- Connect the red and black leads from the oven to the corresponding leads in the junction box.
- Connect the white wire from the oven to the NEUTRAL (gray or white) wire in the junction box.

INSTALLATION

Placing and fixing the product

(Figure 5-6)

Place the appliance on the furniture, centered with two or more people.

If your product is equipped with a telescopic rail, a slope of at least 0,3 degrees towards the back of the oven must be given for the telescopic rails to work properly. For this, after placing the product on the furniture, place the spirit level on the telescopic rail as shown in figure 5 and make sure that the angle of inclination towards the back of the oven is at least 0,3 degrees.

Fix the product to the furniture using the screws provided. (Figure 6)

At the end of the installation, check that the screws are properly tightened and that the product is firmly fixed. If the product is not installed in accordance with the instructions and the screws are not properly tightened, there is a risk of tipping during use.

Final check

After installation, turn on the mains supply.

Read the user manual for the first use of the product.

Check product functions.

Removing the product

Disconnect the product from the mains supply.

Unscrew the fastening screws.

Lift the product lightly with two or more people and take it out completely.

NOTES

NOTES



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