

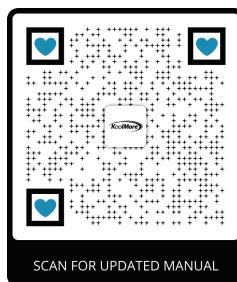
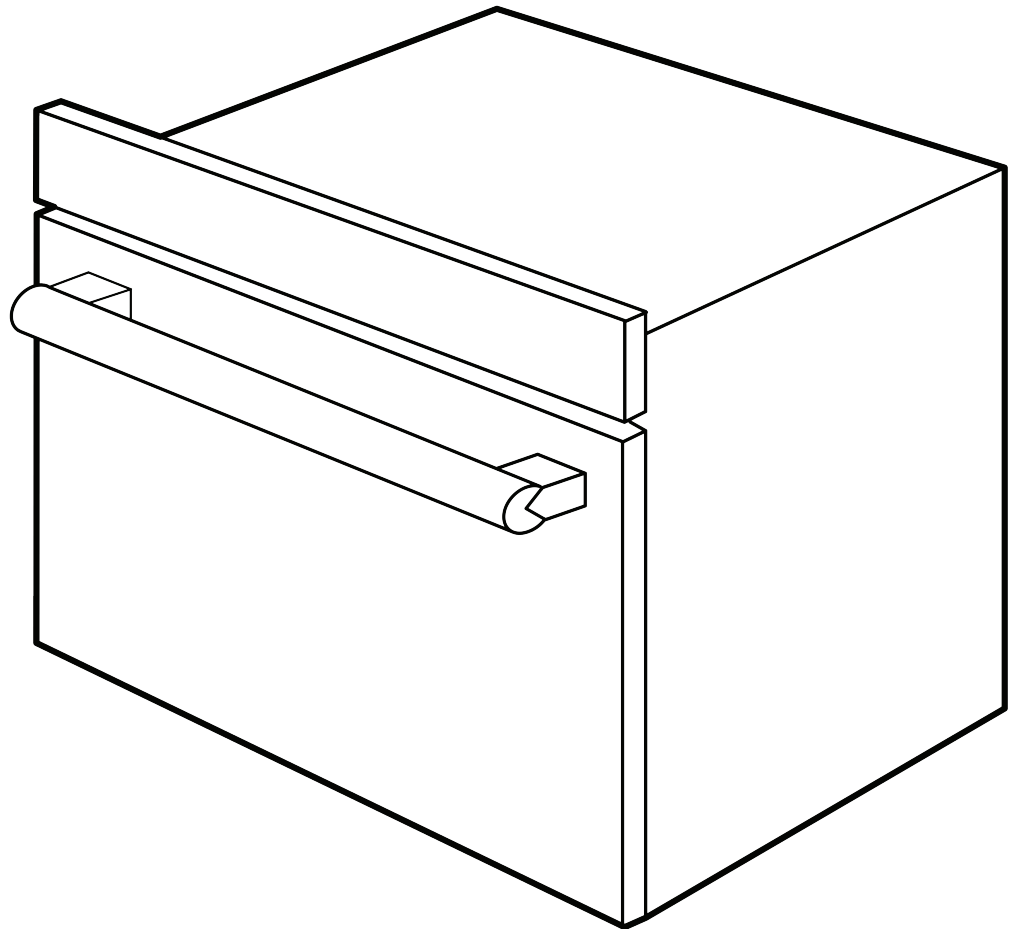


INSTALLATION MANUAL

MICROWAVE

30 INCH BUILT-IN COMBINATION OVEN & MICROWAVE

Model:
CM-CW030-SS



Before using, please read the operating instructions carefully to ensure proper application and achieve satisfactory results.

**For any service-related Issues, please contact
us: Phone Number: 718-576-6342
Email address: support@koolmore.com**

SAFETY & PRECAUTIONS

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- a. **Do Not Tamper with Safety Features:** Never attempt to operate this oven with the door open or tamper with the safety interlocks, as this can result in harmful exposure to microwave energy.
- b. **Keep Door Area Clear:** Do not place objects between the oven's front face and the door, or allow soil or cleaner residue to accumulate on sealing surfaces.
- c. **Handle Damage Carefully:** If the door or door seals are damaged, cease operation and have it repaired by a qualified technician.

ADDENDUM:

Ensure proper cleanliness to prevent surface degradation, affecting the lifespan of the appliance and potentially leading to dangerous situations.

IMPORTANT SAFETY INSTRUCTIONS

Follow these instructions to reduce the risk of fire, electric shock, injury, or exposure to excessive microwave energy:

1. **Supervision Required:** Children aged 8 years and above and persons with reduced capabilities can use the appliance with proper supervision and understanding of hazards.
2. **Comply with Precautions:** Follow the specific "Precautions to Avoid Possible Exposure to Excessive Microwave Energy."
3. **Child Safety:** Keep the appliance and its cord out of reach of children under 8 years.
4. **Cord Maintenance:** If the supply cord is damaged, replace it through qualified personnel to avoid hazards.
5. **Professional Service Required:** Only qualified technicians should perform service or repairs involving exposure to microwave energy.
6. **Avoid Sealed Containers:** Do not heat sealed containers, as they may explode.
7. **Monitor Plastic or Paper Containers:** Watch the oven when heating food in these materials due to ignition risk.
8. **Use Suitable Utensils:** Employ microwave-safe utensils only.
9. **Handle Eruptions with Care:** Beware of delayed eruptive boiling in heated beverages.
10. **Special Care for Baby Food and Eggs:** Stir, shake, and check temperatures; avoid heating whole eggs.
11. **Regular Cleaning:** Maintain cleanliness to prevent surface deterioration.
12. **Use Recommended Accessories:** Utilize only the temperature probe provided with this oven.
13. **Appropriate Usage:** Use the oven for intended purposes only, such as heating food and beverages.
14. **Avoid Displacement:** Carefully remove containers without disturbing the turntable.
15. **Avoid Steam Cleaning:** Do not clean with steam or harsh abrasives.
16. **Switch Off Before Replacing Lamp:** Ensure the appliance is off to prevent electric shock.
17. **Handle Hot Parts with Care:** Accessible parts may become hot; keep young children away.
18. **Avoid Metallic Containers:** Metallic containers are not allowed during microwave cooking.
19. **Installation Instructions:** Follow guidelines for built-in installation and avoid placement behind a decorative door (unless with decorative door).
20. **Supervised Combination Mode:** Children should only use the oven in combination mode under adult supervision.

READ CAREFULLY AND KEEP FOR FUTURE REFERENCE

CAUSES OF DAMAGE

Caution! Take the following precautions to avoid damage: Do Not Tamper with Safety Features: Never attempt to operate this oven with the door open or tamper with the safety interlocks, as this can result in harmful exposure to microwave energy.

1. Creation of Sparks:

- Keep metal objects, like spoons in a glass, at least 2 cm from the oven walls and inside of the door. Sparks can irreparably damage the glass.

2. Water and Moisture:

- Never pour water into the hot cooking compartment; it can cause steam and temperature change, leading to damage.
- Avoid storing moist food in the closed cooking compartment for extended periods; it can lead to corrosion.

3. Door Management:

- Always cool the compartment with the door closed, avoiding trapping anything in the door to prevent damage to adjacent units.
- Keep the seal clean; a heavily soiled seal may cause the door not to close properly, damaging nearby units.

4. Proper Use and Care:

- Never operate the microwave without food; the exception is a short crockery test.
- Avoid standing or placing objects on the appliance door, and don't carry the appliance by the door handle.
- Carefully follow instructions for microwave popcorn and monitor liquid that may boil over.
- Regular cleaning is essential to prevent food deposits that might explode, and maintaining the oven's cleanliness is vital to its lifespan and safety.

IMPORTANT INFORMATION

Electrical Connection with Plug (for some models, subject to our products):

- The appliance comes with a plug and must connect to an earthed socket.
- Installation must be performed by a qualified electrician, adhering to appropriate regulations.
- Fuse protection details are available in the technical data section of the instructions for use.

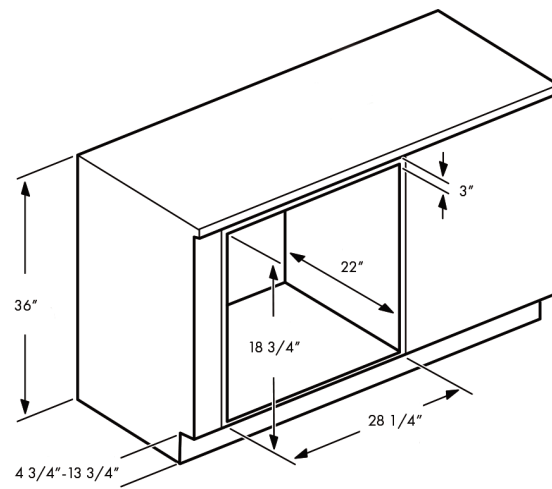
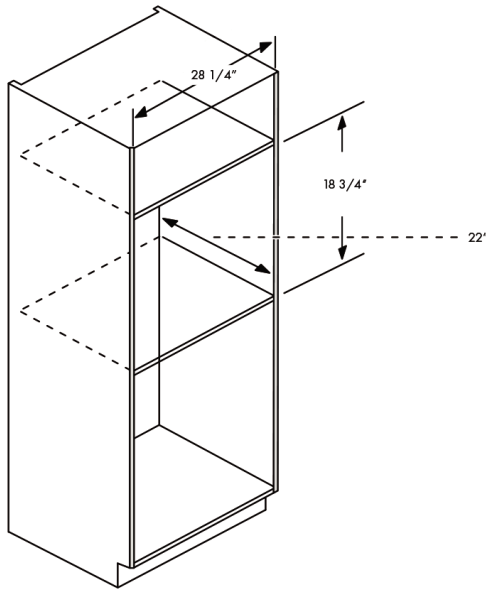
Electrical Connection without Plug (for some models, subject to our products):

- Permanent installation with a three-pin power cord must be conducted by a licensed expert.
- Avoid multiple plugs, power strips, or extensions, as overloading can lead to fire.
- Follow the correct color coding for wire connections:
 - Green and Yellow: Earth wire (E)
 - Blue: Neutral wire (N)
 - Brown: Live (L)

INSTALLATION: GENERAL CABINET REQUIREMENTS

GENERAL CABINET REQUIREMENTS:

- **Space:** 14" space is required between the appliance's side and an adjacent wall or cabinet door if installed at the end of a cabinet run.
- **Weight Support:** The cabinet base must be flat and capable of supporting approximately 90 pounds.
- **Door Overlap:** The appliance door will overlap the furniture below by about 3/16" when opened.
- **Air Gap:** At least 1/4" gap must exist between the appliance and the cabinet walls, i.e., 1/8" on each side.



INSTALLATION: VENTILATED CABINET

VENTILATED CABINET:

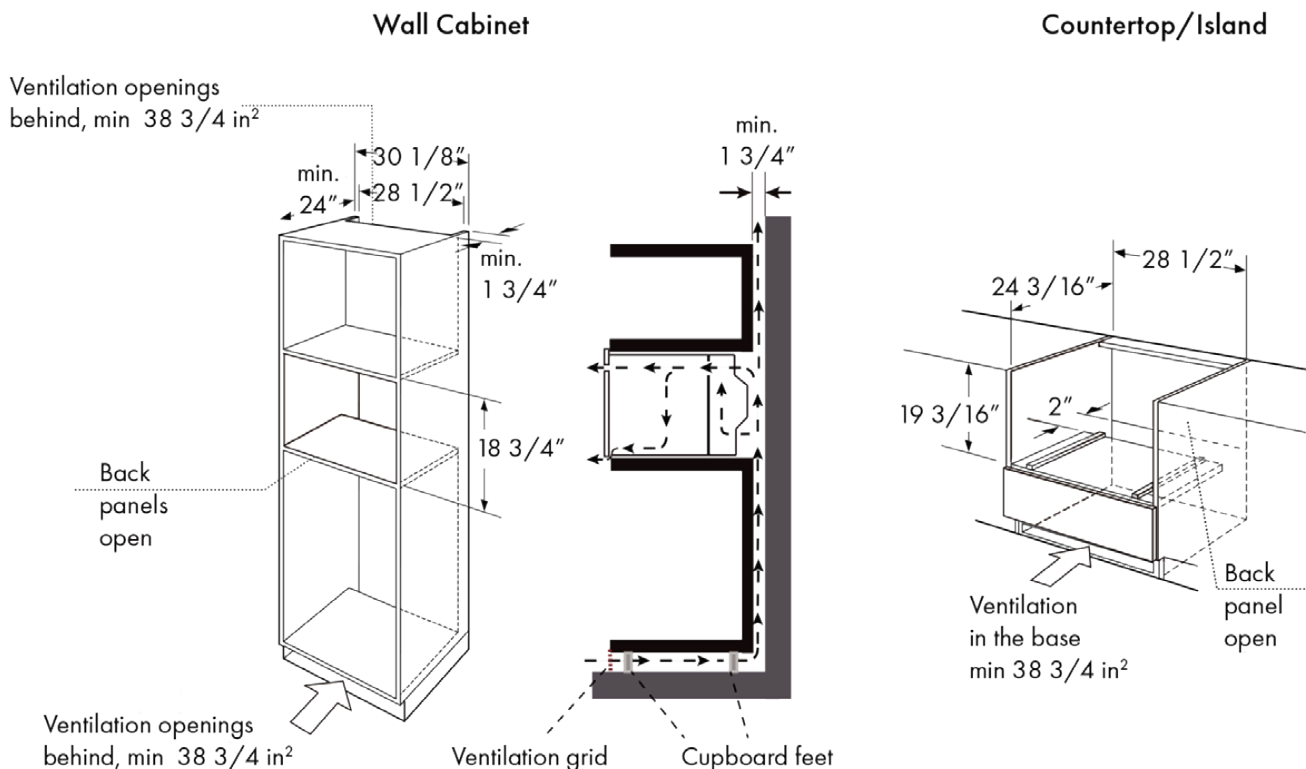
- **Use:** This appliance is designed for full fitting in a kitchen, not for use as a tabletop appliance or inside a cupboard.
- **Back Wall:** The fitted cabinet must not have a back wall.
- **Wall Gap:** Maintain at least a 1 3/4" gap between the wall and the base or back panel of the unit above.
- **Ventilation Opening:** The cabinet must have a 38 3/4 in* opening in the base; achieve this by cutting back the base panel or fitting a ventilation grill.
- **Heat Resistance:** Units must be heat-resistant up to 194°F.

Additional Notes:

- Ventilation slots and intakes must not be covered.
- Safe operation requires installation in accordance with these instructions.
- Minimum 1/16" gap above the oven is required.

Installing the Appliance Inside Cabinetry:

- Carefully push the microwave into the cabinetry, ensuring alignment.
- Avoid kinking the electrical cable.
- Open the door and fasten the microwave with the supplied screws.
- **WARNING:** The gap between the worktop and the appliance must not be closed by additional battens.



Note: There should be a gap above the oven.

INSTALLATION: MOUNT TO CABINET

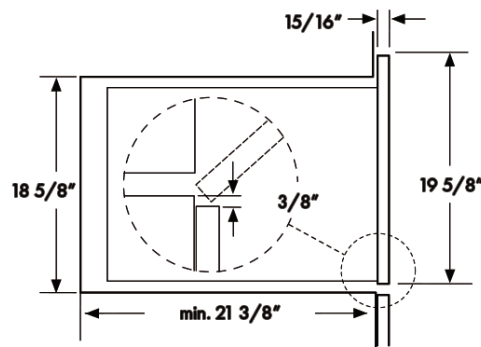
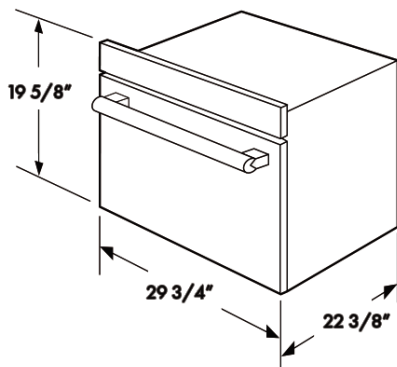
MOUNT TO CABINET:

- **NOTE:** The appliance is heavy; it's advisable to install it with a second person.
- **NOTICE:** Before installation, verify the cabinet dimensions and electrical connections.

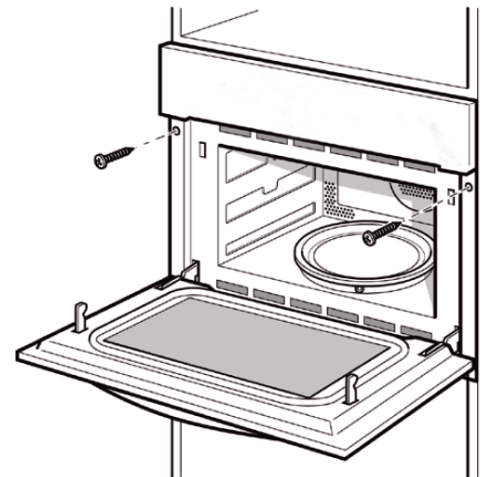
Installation Steps:

1. Fully insert and center the appliance, avoiding kinking the electrical cable.
2. Screw the appliance into pre-drilled holes in the cabinetry.

By following these guidelines, you ensure proper installation, ventilation, and safety for your appliance. If in doubt, always consult a professional installer or the user manual specific to your appliance model.



* $\frac{13}{16}"$ for metal fascias



YOUR NEW APPLIANCE

Congratulations on your new appliance! Below is an overview to help you get acquainted with the key components and features. Proper understanding and handling will ensure the best performance and longevity of your appliance.

CONTROL PANEL

The control panel is your central hub for setting and customizing cooking functions. Depending on the model, you may find digital touch controls, knobs, or buttons. Here's what you may find:



TOUCH KEYS AND DISPLAY

Symbol	Function
AUTO DEFROST	Select Auto Defrost programs
AIRFRY	Start cooking programs for air-fry foods
SENSOR COOK	Select Sensor Cook programs
SENSOR REHEAT	Select Sensor Reheat programs
POPCORN	Cook popcorn
BEVERAGE	Heat beverages
PIZZA	Select pizza programs
AUTO MENU	Select auto menu programs
BROIL HIGH-LOW	Set Broil modes (Hi/Lo)
POWER	Set power level for microwave operation
CONVECTION	Select Bake Cook programs; Select Roast Cook programs
PREHEAT	Select preheat programs
TEMP. WEIGHT	Set temperature or weight of cooking
TIME	Set cooking time
PANEL LOCK	Activate/deactivate child lock
CLOCK	Set time of day
0-9	Use number keys to enter customized values
Confirm Icon	Confirm entered values/Start cooking mode
START / ENTER +30 seconds	Adds 30 seconds to the cooking time
CLEAR/OFF	Clear entered value/turn appliance off

PARAMETERS ADJUSTMENT

Parameter	Function
Auto menu	Select 8 automatic programs.
Weight	Set the weight of cooking.
Time	Set the time of cooking.

COOLING FAN

Your appliance is equipped with a cooling fan to regulate temperature and ensure proper ventilation. The cooling fan operates during and may continue to run for a short time after cooking. It's essential to adhere to the following guidance:

CAUTION!

- Do not cover the ventilation slots. Covering the slots can cause the appliance to overheat, which may lead to malfunction or damage.
- Condensation:** You may notice condensation on the door window, interior walls, and floor. This is normal and doesn't affect the operation. Wipe away the condensation after cooking to maintain cleanliness.

NOTES

- The appliance remains cool to the touch during microwave operation, but the cooling fan will still operate.
- The cooling fan might continue to run even after the microwave operation has ended. Allow it to complete its cooling cycle.

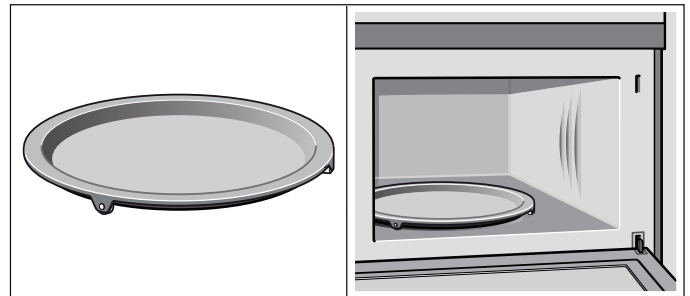
YOUR NEW APPLIANCE

ACCESSORIES

Your appliance comes with several accessories to enhance your cooking experience. Here's how you can utilize them:

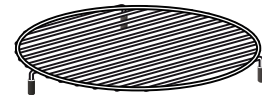
TURNTABLE

- **Usage:** Provides an even surface for the wire rack. Ideal for food requiring intense heat from underneath.
- **Rotation:** Can turn both clockwise and anti-clockwise.
- **Placement:** Centrally on the drive in the cooking compartment, ensuring a proper fit.
- **Caution:**
 - Never use the microwave without the turntable.
 - Maximum weight capacity: 5 kg.
 - Must turn during all heating types.



LOWER WIRE RACK

- **Usage:** For microwave cooking and baking/roasting in the oven.



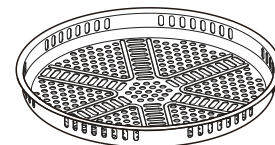
HIGHER WIRE RACK

- **Usage:** For grilling (e.g., steaks, sausages) and toasting bread. Useful as support for shallow dishes.



BAKE TRAY

- **Usage:** For oven cooking (cannot be used with microwave function). Can be placed on the wire rack.



Note: Type and quantity of accessories may vary according to actual demand.

INITIAL SETUP

Here you will find everything you need to do before using your oven to prepare food for the first time. First read the section on *Safety information*.

Setting the clock

Once the appliance is connected, "12:00" will be displayed as the time of day. To set the correct time, proceed as follows:

1. Touch **Clock** .
2. Enter the correct time using the number keys.
Example: To set the clock to 12:41 type in 1 2 4 1.
3. Touch **Start/Enter** or **CLOCK** to confirm.
+30 seconds

Setting the oven

There are various ways in which you can set your oven. Here we will explain how you can select the desired type of heating and temperature or grill setting. You can also select the oven cooking time for your dish. Please refer to the section on *Setting the time-setting options*.

Setting Convection mode

Example: Roast 350°F for 20 minutes

1. Touch **Convection** twice to enter roast mode.
2. Enter the numbers 3 5 0 with the number keys.
3. Touch **TIME** to adjust cooking time.
The maximum time value is 99:99.
4. Enter the numbers 2 0 with the number keys.
5. Touch **Start/Enter** to start cooking.
+30 seconds

Rapid Preheating

With rapid preheating, your oven reaches the set temperature particularly quickly.

To ensure an oven cooking result, only put your food in the cooking compartment when the preheating phase is complete.

1. Touch the **PREHEAT**.
2. Enter the temperature setting with the number keys.
The input temperature should be within 100 to 450°F.
3. Touch the **Start/Enter** key.
+30 seconds

The oven begins to heat up.

The preheating process is complete

A signal sounds. Put your dish in the oven. Set the cooking mode you need.

Heating up the oven

To remove the new oven smell, heat up the appliance when it is empty and closed. One hour with Convection at 350° F (180 °C) is ideal. Ensure that no packaging remnants have been left in the oven cavity.

1. Touch **Convection** once to enter bake mode.
2. Enter the numbers 3 5 0 with the number keys.
3. Touch **TIME** to adjust cooking time.
4. Enter the numbers 60 with the number keys.
5. Touch **Start/Enter** to start cooking.
+30 seconds

The oven light turns on and the appliance starts heating.

Cleaning the accessories

Before you use the accessories for the first time, clean them thoroughly with hot soapy water and a soft dish cloth.

Program	Touch Convection key	Temperature range
Bake	once	250~400 °F
Roast	twice	300~450 °F

Note: If you do not need to adjust the time, skip Step 3-4.

Opening the oven door during operation

Operation is suspended. After closing the door, touch the **Start/Enter** key. Operation continues.
+30 seconds

Cancelling operation

Touch **Clear/Off** to cancel the active oven mode. The appliance turns off and the clock is displayed.

The cooling fans may continue to run for awhile and then switch off automatically.

Opening appliance door during operation

Opening the appliance door during operation will interrupt the current mode. Close the appliance door and then touch **Start/Enter** to resume operation.
+30 seconds

Cancelling rapid preheating

During setting the rapid preheating function, touch the **Clear/Off** can cancel the function.

During rapid preheating, touch **Clear/Off** can cancel the function.

Note: Only when you can hear alarm and preheating icon is blinking you can open the door and put food inside.

INITIAL SETUP

The microwave

Microwaves are converted to heat in foodstuffs. The microwave can be used solo, i.e. on its own, or in combination with a different type of heating. You will find information about ovenware and how to set the microwave.

Note:

In the Expert Cooking Guide, you will find examples for defrosting, heating and cooking with the microwave oven.

Notes regarding ovenware

Suitable ovenware

Suitable dishes are heat-resistant ovenware made of glass, glass ceramic, porcelain, ceramic or heat-resistant plastic. These materials allow microwaves to pass through.

You can also use serving dishes. This saves you having to transfer food from one dish to another. You should only use ovenware with decorative gold or silver trim if the manufacturer guarantees that they are suitable for use in microwaves.

Unsuitable ovenware

Metal ovenware is unsuitable. Metal does not allow microwaves to pass through. Food in covered metal containers will remain cold.

Caution!

Creation of sparks: metal – e.g. a spoon in a glass – must be kept at least 2 cm from the oven walls and the inside of the door. Sparks could destroy the glass on the inside of the door.

Ovenware test

Do not switch on the microwave unless there is food inside. The following ovenware test is the only exception to this rule.

Perform the following test if you are unsure whether your ovenware is suitable for use in the microwave:

1. Heat the empty ovenware at maximum power for ½ to 1 minute.
2. Check the temperature occasionally during that time.

The ovenware should still be cold or warm to the touch.

The ovenware is unsuitable if it becomes hot or sparks are generated.

Microwave power settings

You can select from 11 different microwave power levels. If you do not set a power level, the microwave will automatically operate at the highest power level 11.

The table below provides suggested power levels for various types of food that can be prepared in the microwave.

Power level	Microwave output	Use for
10 High	100%	Boiling water Cooking ground meat Making candy Cooking fresh fruit & vegetables Cooking fish & poultry Preheating browning dish Reheating beverages Cooking bacon slices
9	90%	Reheating meat slices quickly Saute onions, celery & green peppers
8	80%	All reheating Cooking scrambled eggs
7	70%	Cooking breads & cereal products Cooking cheese dishes Cooking muffins, brownies & cupcakes Cooking whole poultry
6	60%	Cooking pasta
5	50%	Cooking meat Cooking custard Cooking spare ribs, rib roast & sirloin roast

INITIAL SETUP: EXPRESS COOKING AND MULTISTAGE COOKING

Power level	Microwave output	Use for
4	40%	Cooking less tender cuts of meat Reheating frozen packaged foods
3	30%	Thawing meat, poultry & seafood Cooking small quantities of food Finish cooking casseroles, stew & some sauces Melting chocolate
2	20%	Softening butter & cream cheese
1	10%	Softening ice cream Raise yeast dough
0	0%	Work with fan for no power Remove the odour of the oven.

Setting the microwave

1. Enter the desired cook time with the number keys. The timer display will fill in from right to left.
Example: To set a microwave time of 20 minutes and 30 seconds, enter the numbers 2 0 3 0.
2. You can start microwave operation with the default power level 10 by touching **Start/Enter** ,
-or- **+30 seconds**
you can set a different power level. Touch **Power Level** .
3. Enter the desired power level using the number keys.
4. Touch **Start/Enter** to start microwave operation.
+30 seconds
The microwave timer will start to count down.

Express cooking

1. In standby mode, touch number keys 1 to 9 to start 100% microwave cooking in 1 to 9 minutes.
2. If the door is closed, the oven will start to cook automatically after 2 seconds.

Opening the oven door during operation

Operation is suspended. After closing the door, touch the **Start/Enter** key. Operation continues.
+30 seconds

Cancelling operation

Touch **Clear/Off** to cancel the active oven mode. The appliance turns off and the clock is displayed.

The cooling fans may continue to run for awhile and then switch off automatically.

Speedy microwave cooking

Use the **Start/Enter** key to quick-start your
+30 seconds

microwave at the highest power level. You can touch the key repeatedly to increase the microwave time in increments of 30 seconds.

Touching this key during microwave operation will add 30 seconds to the remaining microwave time.

The cooking time has elapsed

A signal sounds. Microwave operation has finished.

Multi-stage cooking

1. Enter the desired cook time with the number keys. The timer display will fill in from right to left.
2. Touch **Power Level** .
3. Enter the desired power level using the number keys.
4. Touch **Power Level** .
5. Enter the desired power level using the number keys.
6. Touch **Start/Enter** .
+30 seconds
7. Enter the desired cook time with the number keys.
8. Touch **Start/Enter** to start microwave operation.
+30 seconds

The buzzer will sound 3 times when the first stage cooking is finished and enter to the second stage.

INITIAL SETUP: AUTOMATIC PROGRAMMES

Automatic programmes

The automatic programmes enable you to prepare food very easily. You select the programme and enter the weight of your food. The automatic programme makes the optimum setting. You can choose from 8 programmes.

Always place the food in the cold cooking compartment.

Setting a programme

When you have selected a programme, set the oven. The temperature selector must be in the off position.

1. Touch Auto menu.
2. Touch Auto menu repeatedly to scroll through all Auto menu .
3. Touch TEMP./WEIGHT to adjust weight of food.
4. Touch Start/Enter to start cooking.
+30 seconds

Opening appliance door during operation

Opening the appliance door during operation will interrupt the current mode. Close the appliance door and then touch Start/Enter to resume operation.

+30 seconds

Cancel operation

Touch Clear/Off to cancel the active oven mode. The appliance turns off and the clock is displayed.

The cooling fans may continue to run for awhile and then switch off automatically.

Defrosting programmes

You can use the 2 defrosting programmes to defrost ground meat and meat pieces.

1. Touch Auto Defrost once or twice to choose "GROUND MEAT" or "MEAT PIECES".
2. Enter the weight of the food you want to defrost using the number keys.
3. Touch Start/Enter to start defrosting.
+30 seconds

Notes

■ Preparing food

Use food that has been frozen at -18 °C and stored in portion-sized quantities that are as thin as possible.

Take the food to be defrosted out of all packaging and weigh it. You need to know the weight to set the programme.

- Liquid will be produced when defrosting meat or poultry. Drain off this liquid when turning meat and poultry and under no circumstances use it for other purposes or allow it to come into contact with other foods.

Auto Menu

Program	Weight range	Food placement
1 - Chicken Breasts	0.5 - 3.0 lbs	Wire rack, facing down
2 - Chicken Thigh	0.5 - 3.0 lbs	Wire rack, facing down
3 - Whole Poultry	1.5 - 4.5 lbs	Turntable
4 - Beef Roast	0.5 - 3.25 lbs	Turntable
5 - Pork Tenderloin	1.0 - 3.0 lbs	Wire rack, facing down
6 - Pork Chops	0.5 - 3.0 lbs	Wire rack, facing down
7 - Meatloaf	1.0 - 3.25 lbs	Turntable
8 - Fish Fillets	0.5 - 2.0 lbs	Wire rack, facing down

■ Ovenware

Place the food in a microwaveable shallow dish, e.g. a china or glass plate, but do not cover.

- When defrosting chicken and chicken portions (d 01), an audible signal will sound on two occasions to indicate that the food should be turned.

■ Resting time

The defrosted food should be left to stand for an additional 10 to 30 minutes until it reaches an even temperature. Large pieces of meat require a longer standing time than smaller pieces. Flat pieces of meat and items made from minced meat should be separated from each other before leaving to stand.

After this time, you can continue to prepare the food, even though thick pieces of meat may still be frozen in the middle. The giblets can be removed from poultry at this point.

Programme no.	Defrost	Weight range in kg
1	Ground meat	0.50 - 2.00
2	Meat pieces	0.50 - 3.00

INITIAL SETUP: DEFROSTING PROGRAMMES

Popcorn

▲ CAUTION

Do not leave oven unattended while popping corn. Popcorn may ignite and cause fire.

The popcorn feature lets you pop 3 different bag sizes of commercially packaged microwave popcorn. Use the following table to determine the setting to use:

Bag size	Touch Popcorn key
1.2 oz.	once
2.5 oz.	twice
3.5 oz.	3 times

Setting Popcorn mode

The appliance must be turned off.

1. Touch Popcorn . The cook time is displayed.
2. Touch Popcorn repeatedly or touch number key 1 to 3 to choose the desired weight.
3. Touch Start/Enter .
+30 seconds
The microwave timer starts counting down.

When the microwave time has elapsed, a beep will sound.

Beverage

The beverage feature heats 0.5 to 2 cups of a beverage. Use the table below to determine the setting to use.

Amount	Touch Beverage key
0.5 cups	once
1 cup	twice
1.5 cups	3 times
2 cups	4 times

Setting Beverage mode

1. Touch Beverage .
The cook time is displayed.
2. Touch Beverage repeatedly or touch number key 1 to 4 to choose the desired amount.
3. Touch Start/Enter .
+30 seconds
The microwave timer starts counting down.

When the microwave time has elapsed, a beep will sound.

Pizza

You can use the Pizza mode to bake three different types of pizza:

Mode no.	Pizza type	Bake on
1	Frozen pizza	Metal tray
2	Fresh pizza	Metal tray
3	Microwave pizza	Ceramic tray

Pizza tips

- Check pizza before minimum time, pizza may cook faster compared to a traditional oven.
- For fresh pizza use a pizza paddle for sliding the pizza on and from the metal turntable.
- If using a pizza paddle, sprinkle the paddle liberally with cornmeal for ease in transferring the dough to the metal turntable.
- Maximum size is 12 inches for fresh and frozen pizzas.
- Avoid using a pizza stone as it can damage the oven.
- The metal turntable can be used for cutting pizza into slices. Remove the turntable from the oven after the pizza is baked.

Setting Pizza mode for fresh or frozen pizza

The appliance must be turned off.

You can set a temperature range from 375 to 450° F (190 to 230°C) for fresh and frozen pizza modes.

You can bake fresh or frozen pizza directly on the metal tray turntable.

1. Touch Pizza.
2. Touch Pizza repeatedly to scroll through all pizza modes.
3. Touch Start/Enter .
+30 seconds
4. You can change the temperature by using the number keys. Touch Start/Enter to confirm.
+30 seconds

The appliance starts preheating.

The set temperature is reached once the preheat bar has filled up completely and a beep sounds.

Opening appliance door during operation

Opening the appliance door during operation will interrupt the current mode. When you close the appliance door, and then touch Start/Enter , operation will be resumed.
+30 seconds

INITIAL SETUP: SENSOR COOKING

Setting Pizza mode for microwave pizza

Place the microwave pizza on the ceramic tray and put it in the oven following package directions.

1. Touch Pizza.
2. Touch the number key 3 or touch Pizza repeatedly until MICROWAVE PIZZA is displayed.
3. Touch Start/Enter . The appliance starts sensing.
+30 seconds
4. When sensing is complete, a beep will sound and the calculated cook time will start to count down.

After the cook time has run out a beep will sound.

Note: Do not open the door during the sensing process, or the program will be cancelled .

Once the calculated cook time is displayed, you can open the door to stir, turn or rearrange the food. Touch Start/Enter to resume operation.

Opening appliance door during operation

Opening the appliance door during operation will interrupt the current mode. Close the appliance door and then touch Start/Enter to resume operation.
+30 seconds

Sensor cooking

You can select two sensor cooking modes. Sensor cooking allows you to cook many of your favorite foods without selecting cooking times and power levels. The microwave oven automatically determines the required cooking time for each food item.

For best results for cooking by sensor, follow these recommendations:

- Food cooked with the sensor system should start from normal storage temperature.
- Turntable tray, ceramic tray and outside of container should be dry.
- Foods should always be covered loosely with microwavable plastic wrap, wax paper or lid.
- Do not open the door or touch Clear/Off key during sensing time. When sensing time is over, the oven beeps once and the remaining cooking time will appear in the display. At this time you can open the door to stir, turn or rearrange the food .

Sensor Reheat

The Sensor Reheat feature lets you reheat dinner plates or casseroles (8-16 oz.) for your cooking convenience.

Setting Sensor Reheat

1. Touch Sensor Reheat .
2. Touch Start/Enter .
+30 seconds
sensing is displayed. The microwave operates during sensing.
3. When sensing is complete, a beep will sound and the calculated cook time will start to count down.

Note: Do not open the door during the sensing process, or the program will be cancelled .

Once the calculated cook time is displayed, you can open the door to stir, turn or rearrange the food. Touch Start/Enter to resume operation.

When sensor reheat is finished, a beep will sound.

Notes

- Cover with vented plastic wrap or wax paper.
- Reheat food on a microwavable dinner plate.

INITIAL SETUP: SENSOR COOKING

Reheat cooking suggestions

Food	Directions	Quantity
Dinner plate	Use only pre-cooked, refrigerated foods. Cover plate with vented plastic wrap or waxed paper, tucked under plate. If food is not hot enough after heating with the Reheat feature, continue heating using manual time and power level setting. Contents: <ul style="list-style-type: none"> • 3-4 oz. meat, poultry or fish (up to 6 oz. with bone) • 1/2 cup starch (potatoes, pasta, rice, etc.) • 1/2 cup of vegetables (about 3-4 oz.) 	1 serving (1 plate)
Casserole, Pasta	Cover plate with lid or vented plastic wrap. If food is not hot enough after heating with the Reheat feature, continue heating using manual time and power level setting. Stir foods once before serving. Contents: <ul style="list-style-type: none"> • Casserole: refrigerated foods (such as beef stew or lasagna) • Pasta: Canned spaghetti and ravioli, refrigerated foods 	1 to 4 servings

Sensor Cook

Sensor Cook allows you to cook many of your favorite foods without selecting cooking times and power levels. The microwave oven automatically determines the required cooking time for each food item.

Setting Sensor Cook

The appliance must be turned off.

Example: Set Sensor Cook for Ground Meat.

1. Touch Sensor Cook .
2. Select the desired program from the label at the oven cavity.
Touch Sensor Cook repeatedly to scroll through all Sensor Cook modes.
3. Touch Start/Enter .
+30 seconds

The program will start sensing with the microwave operating.

Sensor Cook programs

Sensor Cook Program	Quantity	Cooking tips
1 - Baked Potato	1 - 4 potatoes (8 - 32 oz.)	Pierce skin with a fork. Do not cover. After cooking, allow to stand wrapped in foil for 5 minutes.
2 - Ground Meat	8 - 24 oz. (0.5 - 1.5 lbs)	After cooking, allow to stand, covered, for 3 - 4 minutes.
3 - Fresh Vegetables	4 - 16 oz. (0.25 - 1 lbs)	No water is needed if vegetables have just been washed. Add 2 tablespoons water per 8 ounces of fresh vegetables.
4 - Fish/Seafood	8 - 20 oz. (0.5 - 1.25 lbs)	Roll thin edges underneath. Arrange in a ring around microwaveable dish.
5 - Frozen Entrees	10 - 20 oz.	Follow package instructions for venting, cutting plastic film, etc.

INITIAL SETUP: BROIL AND AIR-FRY COOKING

When sensing is complete, a beep will sound and the calculated cook time will start to count down.

Note: Do not open the door during the sensing process, or the program will be cancelled.

Once the calculated cook time is displayed, you can open the door to stir, turn or rearrange the food. Touch **Start/Enter** to resume operation.

When sensor cook is finished a beep will sound.

Opening appliance door during operation

Opening the appliance door during operation will interrupt the current mode. Close the appliance door and then touch **Start/Enter** to resume operation.
+30 seconds

Cancel operation

Touch **Clear/Off** to cancel the active oven mode. The appliance turns off and the clock is displayed. The cooling fans may continue to run for awhile and then switch off automatically.

Broil

The Broil feature uses intense heat radiated from the upper element.

You can set two intensity levels:

- Broil high
- Broil low

Setting Broil mode

The appliance must be turned off.

1. Touch **Broil HIGH-LOW**.
2. Touch **Broil** again, to change to Broil low mode.
3. Enter the desired cooking time with the number keys. The maximum time value is 99:99.
4. Touch **Start/Enter** to start operation.
+30 seconds

Note: Always use a bake tray when cooking in Broil mode (see optional accessories).

Opening appliance door during operation

Opening the appliance door during operation will interrupt the current mode. When you close the appliance door, operation will be resumed.

Cancel operation

Touch **Clear/Off** to cancel the active oven mode. The appliance turns off and the clock is displayed. The cooling fans may continue to run for awhile and then switch off automatically.

Airfry cooking

The automatic programmes enable you to prepare food very easily.

The automatic programme makes the optimum setting. You can choose from 10 programmes.

Setting a programme

When you have selected a programme, set the oven. The temperature selector must be in the off position.

1. Touch **AIRFRY**.
2. Touch **AIRFRY** repeatedly or touch number keys to scroll through all Auto menu (A01 to A10).
3. Touch **Start/Enter** to start cooking.
+30 seconds

Opening appliance door during operation

Opening the appliance door during operation will interrupt the current mode. Close the appliance door and then touch **Start/Enter** to resume operation.
+30 seconds

Cancel operation

Touch **Clear/Off** to cancel the active oven mode. The appliance turns off and the clock is displayed. The cooling fans may continue to run for awhile and then switch off automatically.

Auto Menu

Program	Weight range	Food placement
A01 Frozen French Fries	0.66lbs	
A02 French Fries	0.66lbs	
A03 Sweet potato	0.66lbs	
A04 Cucurbita pepo	0.5lbs	
A05 Onion ring	0.5lbs	
A06 Frozen chicken pieces	0.66lbs	
A07 Spring Rolls	1lbs	
A08 Churros	1lbs	
A09 Frozen Apple Pie	0.13lbs	
A10 Manual cook	0.66lbs	

Note: Always use a bake tray when cooking in Broil mode (see optional accessories).

INITIAL SETUP: TIME SETTING OPTIONS AND CHILS LOCK

Manual cook

Customer should cook airfrying food by adjusting up and down time and temp. with his choice.

Setting Manual cook

1. Touch AIRFRY.
2. Touch AIRFRY repeatedly until A11display. Or touch 11.
3. Enter the desired temperature using the number keys. The temperature should be within 300~450 ℉。
4. Touch TIME.
5. Enter the desired cooking time using the number keys. The maximum time value is 99:99.
6. Touch Start/Enter to start cooking.
+30 seconds

Note: If you do not need to adjust the time, skip Step 3-4.

Opening appliance door during operation

Opening the appliance door during operation will interrupt the current mode. Close the appliance door and then touch Start/Enter to resume operation.
+30 seconds

Cancel operation

Touch Clear/Off to cancel the active oven mode. The appliance turns off and the clock is displayed. The cooling fans may continue to run for awhile and then switch off automatically.

Setting the time-setting options

Your oven has various time-setting options. You can use the Clock key to call up the menu and switch between the individual functions.

Setting the cooking time

The cooking time for your meal can be set on the oven. When the cooking time has elapsed, the oven switches itself off automatically. This means that you do not have to interrupt other work to switch off the oven. The cooking time cannot be accidentally exceeded.

The oven starts. The cooking time counts down in the display.

The cooking time has elapsed

An audible signal sounds. The oven stops heating.

Setting the clock

1. Touch Clock .
2. Enter the correct time using the number keys. Example: To set the clock to 12:41 type in 1 2 4 1.
3. Touch Start/Enter or Clock to confirm.
+30 seconds

Changing the clock

1. Touch Clock in standby mode. The actual time disappear and then the time will blink in the display.
2. Enter the correct time using the number keys.
3. Touch Start/Enter to confirm.
+30 seconds

Childproof lock

The oven has a childproof lock to prevent children switching it on accidentally.

The oven will not react to any settings.

Switching on the childproof lock

Requirement: No cooking time should be set .

Touch and hold the Panel lock key for approx. 3 seconds.

The lock symbol appears in the display. The childproof lock is activated.

Switching off the childproof lock

Touch and hold the Panel lock key for approx. 3 seconds.

The lock symbol on the display goes out. The childproof lock is deactivated.

Childproof lock with other cooking operations

When other cooking programmes have been set, the childproof lock is not operational.

Care and cleaning

With careful care and cleaning your microwave oven will retain its looks and remain good order. We will explain here how you should care for and clean your appliance correctly.

⚠ Risk of electric shock.!

Penetrating moisture may cause an electric shock. Do not use any high-pressure cleaners or steam cleaners.

⚠ Risk of burns!

Never clean the appliance immediately after switching off. Let the appliance cool down.

⚠ Risk of serious damage to health!

Microwave energy may escape if the cooking compartment door or the door seal is damaged. Never use the appliance if the cooking compartment door or the door seal is damaged. Contact the after-sales service.

Notes

- Slight differences in colour on the front of the appliance are caused by the use of different materials, such as glass, plastic and metal.
- Shadows on the door panel which look like streaks, are caused by reflections made by the oven light.
- Unpleasant odours, e.g. after fish has been prepared, can be removed very easily. Add a few drops of lemon juice to a cup of water. Place a spoon into the container as well, to prevent delayed boiling. Heat the water for 1 to 2 minutes at maximum microwave power.

Cleaning agents

To ensure that the different surfaces are not damaged by using the wrong cleaning agent, observe the information in the table. Do not use

- sharp or abrasive cleaning agents,
- metal or glass scrapers to clean the glass in the appliance door.
- metal or glass scrapers to clean the door seal,
- hard scouring pads and sponges,
- cleaning agents with high concentrations of alcohol.

Wash new sponge cloths thoroughly before use.

Allow all surfaces to dry thoroughly before using the appliance again.

Area	Cleaning agents
Appliance front	Hot soapy water: Clean with a dish cloth and dry with a soft cloth. Do not use glass cleaners or metal or glass scrapers for cleaning.
Appliance front with stainless steel	Hot soapy water: Clean with a dish cloth and dry with a soft cloth. Remove flecks of limescale, grease, starch and albumin (e.g. egg white) immediately. Corrosion can form under such residues. Special stainless steel cleaning agents can be obtained from the after-sales service or from specialist shops. Do not use glass cleaners or metal or glass scrapers for cleaning.
Cooking compartment	Hot soapy water or a vinegar solution: Clean with a dish cloth and dry with a soft cloth. If the oven is very dirty: Do not use oven spray or other aggressive oven cleaners or abrasive materials. Scouring pads, rough sponges and pan cleaners are also unsuitable. These items scratch the surface. Allow the interior surfaces to dry thoroughly.
Recess in cooking compartment	Damp cloth: Ensure that no water seeps through the turntable drive into the appliance interior.
Wire racks	Hot soapy water: Clean using stainless steel cleaning agent or in the dishwasher.
Door panels	Glass cleaner: Clean with a dish cloth. Do not use a glass scraper.
Seal	Hot soapy water: Clean with a dish cloth, do not scour. Do not use a metal or glass scraper for cleaning.

Technical data

Rated Voltage	120 V~ 60 Hz
Microwave Input	1750 W
Microwave Output	1000 W
Grill	1750 W
Convection	1700 W

TROUBLESHOOTING

Malfunction table






Malfunctions often have simple explanations. Please refer to the malfunction table before calling the after-sales service.

If a meal does not turn out exactly as you wanted, refer to the Expert Cooking Guide section, where you will find plenty of cooking tips and tricks.

Risk of electric shock!

Incorrect repairs are dangerous. Repairs may only be carried out by one of our trained after-sales engineers.

Malfunction table

Problem	Possible cause	Remedy/information
The appliance does not work.	Faulty circuit breaker.	Look in the fuse box and check that the circuit breaker for the appliance is in working order.
	Plug not plugged in.	Plug in the plug.
	Power cut	Check whether the kitchen light works.
The appliance does not work.  appears in the display panel.	Childproof lock is active.	Deactivate the childproof lock (see section: Childproof lock).
 is in the display panel.	Power cut	Reset the clock.
The microwave does not switch on.	Door not fully closed.	Check whether food residue or debris is trapped in the door.
It takes longer than before for the food to heat up in the microwave	The selected microwave power level is too low.	Select a higher power level.
	A larger amount than usual has been placed in the appliance.	Double the amount = almost double the cooking time.
	The food was colder than usual.	Stir or turn the food during cooking.
Turntable grates or grinds.	Dirt or debris in the area around the turntable drive.	Clean the rollers under the turntable and the recess in the oven floor thoroughly.
A particular operating mode or power level cannot be set.	The temperature, power level or combined setting is not possible for this operating mode.	Choose permitted settings.
"  ", appears in the display panel.	The thermal safety switch-off function has been activated.	Call the after-sales service.
 appears in the display panel.	The thermal safety switch-off function has been activated.	Call the after-sales service.
"..." appears in the display panel.	Moisture in the control panel.	Allow the control panel to dry.
"  " appears in the display panel.	Rapid heating has failed.	Call the after-sales service.

Acrylamide in foodstuffs

Which foods are affected?

Acrylamide is mainly produced in grain and potato products that are heated to high temperatures, such as potato crisps, chips,

toast, bread rolls, bread, fine baked goods (biscuits, gingerbread, cookies).

Tips for keeping acrylamide to a minimum when preparing food

General	Keep cooking times to a minimum. Cook meals until they are golden brown, but not too dark. Large, thick pieces of food contain less acrylamide.
Baking biscuits Oven chips	Max. 200 °C in Top/bottom heating or max. 180 °C in 3D hot air or hot air mode. Max. 190° C in Top/bottom heating or max. 170 °C in 3D hot air or hot air mode. Egg white and egg yolk reduce the formation of acrylamide. Distribute thinly and evenly over the baking tray. Cook at least 400 g at once on a baking tray so that the chips do not dry out.

ENERGY TIPS AND COOKING GUIDE

Energy and environment tips

Here you can find tips on how to save energy when baking and roasting and how to dispose of your appliance properly.

Saving energy

- Only preheat the oven if this is specified in the recipe or in the operating instruction tables.
- Use dark, black lacquered or enamelled baking tins. They absorb the heat particularly well.
- Open the oven door as infrequently as possible while you are cooking, baking or roasting.
- It is best to bake several cakes one after the other. The oven is still warm. This reduces the baking time for the second cake. You can also place two loaf tins next to each other.

- For longer cooking times, you can switch the oven off 10 minutes before the end of the cooking time and use the residual heat to finish cooking.

Environmentally-friendly disposal

Dispose of packaging in an environmentally-friendly manner.



This appliance complies with European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE). The directive gives a framework for the collection and recycling of old appliances, which is valid across the EU.

Expert Cooking Guide

The charts can be used as a guide. Follow package or recipe directions.

Broil

Place pan of food on the wire rack with the recess facing up.

Food	Oven temperature	Cooking time (minutes)	Internal temperature	Cooking tip / Procedure
Hamburgers, _ " to 1", medium	High	Side 1: 9 - 11 Side 2: 10 - 12	160°F (71°C)	Use pan that allows fat to drain away from the food. High fat meat causes more spattering.
Lamb chops, 1", medium	High	Side 1: 9 - 11 Side 2: 10 - 12	160°F (71°C)	Use pan that allows fat to drain away from the food. Slit fat to prevent curling.
Sausage, fresh	High	Side 1: 9 - 11 Side 2: 8 - 10	160°F (71°C)	Use pan that allows fat to drain away from the food.
Steaks, _ " to 1", medium rare	High	Side 1: 9 - 11 Side 2: 10 - 12	145°F (63°C)	Use pan that allows fat to drain away from the food. Slit fat to prevent curling.
Steaks, _ " to 1", medium	High	Side 1: 9 - 11 Side 2: 10 - 12	160°F (71°C)	Use pan that allows fat to drain away from the food. Slit fat to prevent curling.
Toasting bread	Low	3 - 5	-	Check at minimum time.
Top browning casseroles	Low	3 - 5	-	Use only metal or glass ceramic dishes such as Corning Ware®

Convection Broil

Place pans of food on the wire rack with the recess facing up.

Food	Oven temperature	Cooking time (minutes)	Internal temperature	Cooking tip / Procedure
Chicken breasts, bone-in	Low	Side 1: 9 - 11 Side 2: 10 - 12	170°F (76°C)	Start breast side down.
Fish filets, _ " to 1"	Low	11 - 15	145°F (63°C)	No turning of fish. Turn thin ends under. Brush with olive oil or butter to prevent sticking.

COOKING GUIDE

Convection

Preheat the oven before adding foods. Once the oven is preheated, place the food in the oven quickly to minimize

loss of heat. Place pans of food on the wire rack with the recess facing down.

Food	Oven temperature	Cooking time (minutes)	Cooking tip / Procedure
Biscuits	350°F (175°C)	13 - 20	A dark or dull baking sheet will result in a browner, crisper crust.
Cake, 13"x9"	350°F (175°C)	23 - 28	For a tender, light golden brown crust, use light, shiny metal bakeware.
Cookies	350 - 375°F (175 - 190°C)	8 - 14	A dark or dull baking sheet will result in a browner, crisper crust.
Cornbread	425 - 450°F (220 - 230°C)	25 - 30	Use a square baking pan.
Cupcakes	350°F (175°C)	18 - 21	Ideal for ready-made mixes. Prepare according to package directions.
Dinner rolls	400°F (205°C)	12 - 18	Use with fresh or frozen dinner rolls.
Fresh fruit pie	375°F (190°C)	50 - 60	A dark or dull baking pie pan will result in a browner, crisper crust.
Muffins	400°F (205°C)	10 - 18	Ideal for ready-made mixes. Prepare according to package directions.
Roasted vegetables	425 - 450°F (220 - 230°C)	15 - 20	Use dark or dull metal pan. Stir once.
Shortcakes	450°F (230°C)	10 - 18	Best for individual shortcakes. Use dark coated pan.

Cooking eggs in your microwave

- Never cook eggs in the shell and never warm hard-cooked eggs in the shell; they can explode.
- Always pierce yolk on whole eggs to keep them from bursting.
- Cook eggs just until set; they will become tough if overcooked.
- Cooking scrambled eggs is safe.

Cooking vegetables in your microwave

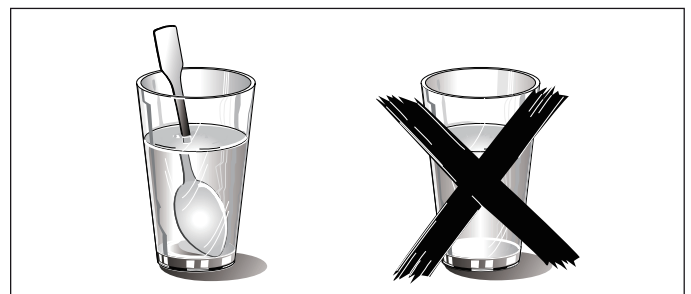
- Vegetables should be washed just before cooking. Rarely is extra water needed. If dense vegetables such as potatoes or carrots are being cooked, add about ¼ cup of water.
- Small vegetables (sliced carrots, peas, lima beans, etc.) will cook faster than larger vegetables.
- Whole vegetables, such as potatoes, acorn squash or corn on the cob, should be arranged in a circle on the turntable before cooking. They will cook more evenly if turned over halfway through cooking.

- Always place vegetables like asparagus and broccoli with the stem ends pointing towards the edge of the dish and the tips toward the center.
- When cooking cut vegetables, always cover the dish with a lid or vented microwavable plastic wrap.
- Whole, unpeeled vegetables such as potatoes, sweet potatoes, squash, eggplant, etc., should have their skin pricked in several locations before cooking to prevent them from bursting.
- For more even cooking, stir or rearrange whole vegetables halfway through the cook time.
- Most of the time, the denser the food, the longer the required standing time. For example, a baked potato should stand for 5 minutes before serving, while a dish of peas may be served immediately.

Heating food

Risk of scalding!

There is a possibility of delayed boiling when a liquid is heated. This means that the liquid reaches boiling temperature without the usual steam bubbles rising to the surface. Even if the container only moves a little, the hot liquid can suddenly boil over and spatter. When heating liquids, always place a spoon in the container. This will prevent delayed boiling.



CLEANING AND MAINTENANCE

Cooking seafood in your microwave

Be sure to place fish on a microwave-safe roasting rack in a microwave-safe dish. Be sure to always cook fish until it flakes easily with a fork. Use a tight cover to steam

fish; a lighter cover of wax paper or paper towel provides less steaming. And be sure not to overcook fish; check it for doneness at a minimum cooking time before cooking longer.

Seafood	Power level	Cook time	Directions
Fish steaks up to 1½ lbs	medium high (7)	7–11 min. /lb	Arrange fish on roasting rack with meaty portions towards the outside of rack. Cover with wax paper. Turn over and rearrange halfway through cook time. Cook until fish flakes easily with fork. Let stand 3–5 mins.
Fish fillets up to 1½ lbs.	medium high (7)	7–11 min. /lb	Arrange fillets in a baking dish, turning any thin pieces under. Cover with wax paper. If over ½ inch thick, turn over and rearrange halfway through cook time. Cook until fish flakes easily with fork. Let stand 2–3 mins.
Shrimp up to 1½ lbs.	medium high (7)	7–11 min. /lb	Arrange shrimp in a baking dish without overlapping or layering. Cover with wax paper. Cook until firm and opaque, stirring 2 or 3 times. Let stand 5 mins.

Cleaning and Maintenance

9 WARNING

Be sure the entire appliance has cooled and grease has solidified before attempting to clean any part of the appliance.

Cleaning Guide

- For best performance and for safety reasons, keep the oven clean inside and outside. Take special care to keep the inner door panel and oven front frame free of food and grease build-up.
- Never use abrasive scouring powder or pads on the microwave. Wipe the microwave oven inside and out

with a soft cloth and warm (not hot) mild detergent solution. Then rinse and wipe completely dry.

- Wipe spatters immediately with a wet paper towel, especially after cooking greasy foods like chicken or bacon.
- Clean your microwave oven weekly or more often, if needed.
- Never operate the microwave oven without food in the oven cavity, unless pre-heating with Convection, Pizza, Frozen Foods and Keep Warm mode; this can damage the magnetron tube or ceramic tray. You may wish to leave a cup of water standing inside the oven when it is not in use to prevent damage if the oven is accidentally turned on.

Part	Recommendations
Oven cavity	Keep inside (cavity) of the oven clean. Food particles and spilled liquids can stick to the oven walls, causing the oven to work less efficiently. Wipe up spills immediately. Use a damp, clean cloth and mild soap. DO NOT use harsh detergents or abrasive cleaners. To help loosen baked-on food particles or liquids, heat 2 cups of water (add the juice of 1 lemon if you desire to keep the oven fresh smelling) in a 4 cup measuring glass at High power for 5 minutes or until boiling. Let stand in oven cavity for 1 or 2 minutes. For baked-on grease spatters, wash with hot, soapy water, rinse and dry.
Wire rack	Wash with soapy water. Rinse thoroughly and dry, or gently rub with cleansing powder or soap-filled pads as directed. The wire rack can also be washed in the dishwasher.
Metal turntable tray	Remove metal turntable tray from the oven when cleaning the oven cavity and tray. Wash the metal turntable tray in warm sudsy water or in the dishwasher.
Ceramic tray	Clean with warm, soapy water or in the dishwasher.
Door seal	Wipe with damp cloth.

CLEANING AND MAINTENANCE

Part	Recommendations
Door glass	Wash with soap and water or glass cleaner. Apply Fantastik® or Formula 409® to a clean sponge or paper towel and wipe clean. Avoid using powder cleaning agents, steel wool pads and oven cleaners. If steam accumulates inside or outside the oven door, wipe with a soft cloth. Steam can accumulate when operating the oven in high humidity and in no way indicates microwave leakage.
Painted surfaces	Clean with hot soapy water or apply Fantastik® or Formula 409® to a clean sponge or paper towel and wipe clean. Avoid using powder cleaning agents, steel wool pads and oven cleaners.
Stainless steel surfaces/exterior surfaces	Always wipe or rub in the direction of the grain. Clean with a soapy sponge, then rinse and dry, or wipe with Fantastik® or Formula 409® spray on a paper towel. Protect and polish with Stainless Steel Magic® and a soft cloth. Remove water spots with a cloth dampened with white vinegar.
Plastic & Controls	When cool, clean with soapy water, rinse and dry.
Printed areas (words & numbers)	Do not use abrasive cleaners or petroleum based solvents.