



Operating / Installation Instructions

Built-in Electric Oven

**Model No. HL-PX665S
HL-PX665B**



HL-PX665S

FOR DOMESTIC USE ONLY

IMPORTANT SAFETY INSTRUCTIONS: Before operating this appliance, please read these instructions carefully and keep for future reference.

Thank you for purchasing this Panasonic appliance.

Contents

Operating Instructions	4-46	• Fast Preheat	23
Safety Instructions	4-7	• Warming	23
Disposal of Waste Products	8	• General Settings	24-25
Energy Saving Tips	8	• Pyro Clean	24
Before Using Your Oven	9	• Setting the Kitchen Timer	24
Features and Functions	10-11	• Oven Lighting	24
General Controls	12-13	• Time	25
Oven Equipment and Accessories	14	• Adjusting the Display Contrast.....	25
Using the Appliance	15-25	• Sound	25
• Setting the Clock	15	Cooking Charts	26-37
• Cooking Modes	16-19	• Upper / Lower Heater	27-28
• Manual Mode	16	• Full Grill and Half Grill	29-30
• Preheat	16	• Fan Grill	31
• Operation Modes	17	• Convection and Lower Heater	32
• Auto Mode	18-19	• Convection	33-34
• Timer Functions	20	• Lower Heater and Fan	35-36
• Saving to Memory	21	• Auto Roast Mode	37
• Starting the Cooking Process	22	Maintenance and Cleaning	38-45
• End of Cooking	22	Troubleshooting	46
• Additional Functions	23	Installation Instructions	47-51
• Defrost	23	Specifications	52
• Dough - Rising and Proofing	23		

Operating Instructions

Safety Instructions

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- **WARNING:** The appliance and its accessible parts become hot during use. Care should be taken to avoid touching heating elements. Children less than 8 years of age shall be kept away unless continuously supervised.
- **WARNING:** Danger of fire: do not store items on the cooking surfaces.
- 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.
- Do not use steam cleaners or high-pressure cleaners to clean the cooking appliance, as this may result in an electric shock.
- **WARNING:** Before replacing the light bulb, make sure the appliance has been disconnected from the mains power, in order to prevent an electric shock.
- The appliance is not intended to be controlled with external timers or special control systems.

Safety Instructions

- The appliance is intended for household use. Do not use it for any other purpose, such as room heating, the drying of paper or fabrics, etc. as this may lead to injury or fire hazard.
- Tampering with the appliance or non-professional repair thereof may result in risk of severe injury or damage to the product.
- If the power cord is damaged, it should be replaced by the manufacturer or an authorised service technician, in order to avoid hazard.
- Do not line the oven walls with aluminium foil and do not place baking trays or other cookware on the base of the oven. Aluminium foil could prevent air circulation in the oven, hinder the cooking process, and damage the enamel coating.
- The appliance becomes very hot during use. Suitable heat-proof gloves should be worn.
- Oven door hinges may be damaged when under excessive load. Do not place heavy pans on open oven door and do not lean against open oven door when cleaning the oven cavity. Never stand on the open oven door and do not let children sit on it.
- Make sure the vents are never covered or obstructed in any way.
- Spray canisters, aerosols and other inflammable substances can ignite when heated. Do not store or use these items near the oven.
- Do not use sealed tins or containers in the appliance.
- Take care when cooking with fats and oils.

Safety instructions

- Do not attempt to tamper with or make any adjustments or repairs to the door, control panel housing, safety interlock switches or any other part of the oven. Repairs should only be carried out by service technicians authorised by the appliance manufacturer.
- All cooking operations must take place with the door closed.
- The appliance becomes very hot during use. Suitable heat-proof gloves should always be worn.
- Take care when cooking foods containing high alcohol content. Alcoholic vapours may ignite.
- The socket the oven is plugged into must be connected to the household main circuit board.
- The manufacturer cannot be held liable for damage to persons or items caused by failure to observe the above instructions, by interference with any part of the appliance or by the use of non-original spare parts.

Pyro Cleaning

- Before activating the automatic cleaning process, remove any cookware that is not part of the oven equipment.
- During the automatic cleaning process, the oven gets very hot from the outside. Risk of burns! Keep children away from the oven.
- Before activating the automatic cleaning process, carefully read and follow the instructions in the chapter Maintenance and Cleaning (see page 38).
- Do not place anything directly onto the base of the oven.
- Pieces of food and grease may ignite during the automatic pyro cleaning process.
- Danger of fire! Remove larger food residue and other impurities from the oven before using the automatic cleaning process.
- Make sure no impurities enter the door lock latch. This could prevent automatic locking of oven door during the automatic cleaning procedure.
- In case of a power outage during the pyro cleaning process, the program is terminated after two minutes and the oven door remains locked. The door will be unlocked approximately 30 minutes after power supply is restored, regardless of whether the appliance has cooled down.
- When using the pyro cleaning function the surfaces may get hotter than usual and children should be kept away.

Disposal of Waste Products



Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)

This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis.

Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.

Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union.

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Energy Saving Tips

- Certain foods do not need a preheated oven. Do not preheat the oven unless necessary or stated in the recipe.
- Do not use full grill if half grill will be sufficient.
- Where possible, cook multiple items at once. This will lower the amount of time that the oven is in use.
- Plan ahead. If you will be cooking food that will keep (puddings, cakes, pastries etc.), do so whilst the oven is still hot from cooking a meal as you will only have to heat up the oven once. This will also save time later on.
- Remove any accessories from the oven that are not required for cooking.
- Avoid opening the door during cooking.
- Do not use the cavity lighting unless necessary.

Before using your oven

This manual constitutes an integral part of the appliance. It should be kept intact and at hand for the appliance's entire life cycle. It is important to carefully read this manual and all of the instructions contained herein before using the appliance.

Examine your oven

Please make sure the appliance was supplied to you undamaged. Remove all packaging and examine the oven for any damage such as dents, broken door latches or cracks in the door. If you find any damage, notify your dealer immediately. Do not install a damaged oven.



WARNING

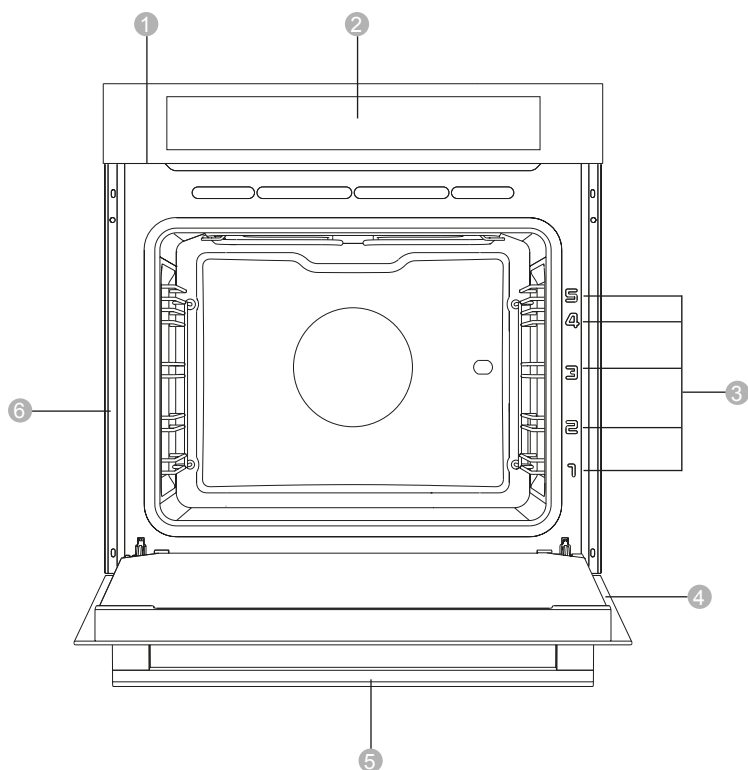
Remove all internal and external packaging. Please ensure all internal packaging is removed before switching the oven on.

- Before using the oven for the first time, run Convection at 250 °C for 5 minutes. A specific odour of a 'new appliance' will be present. Make sure the room is ventilated.
- After the oven has cooled down, clean the inside and all accessories with warm water and a conventional detergent. Do not use abrasive cleaning aids.

Rating Plate

The Rating Plate indicating the basic information of the appliance is attached to the inside of the oven and is visible when you open the door. (see page 10). Do not remove.

Features and Functions



1. Door Lock Latch
2. Control Panel
3. Guides / Shelf Positions (1-5)
4. Oven Door
5. Door Handle
6. Rating Plate

Wire guides

The wire guides allow cooking of the food in five shelf positions. Please note that the shelf positions are counted from the bottom up.

Shelf positions 4 and 5 are intended for grilling.

Oven door switch

The switch deactivates oven heating and the fan when the oven door is opened during the cooking process. When the door is closed, the switch turns the heaters back on.

Cooling fan

The appliance is fitted with a cooling fan that cools the housing and the appliance control panel.

Extended operation of the cooling fan

After the oven is switched off, the cooling fan continues to operate for a short while in order to cool the oven. Extended cooling fan operation depends on the temperature in the centre of the oven.

Soft door opening

Oven door is fitted with a system that softens the door opening force, starting at the 75° angle.

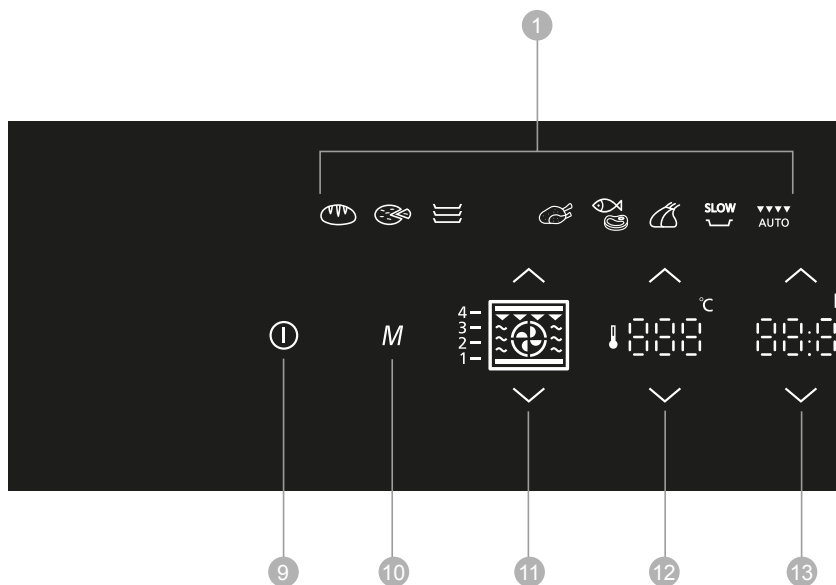
Soft door closing

Oven door is fitted with a system that softens the door closing force, starting at the 75° angle. It allows simple, quiet, and smooth closing of the door. A gentle push, to a 15° angle relative to the closed door position is enough for the door to close automatically and softly.

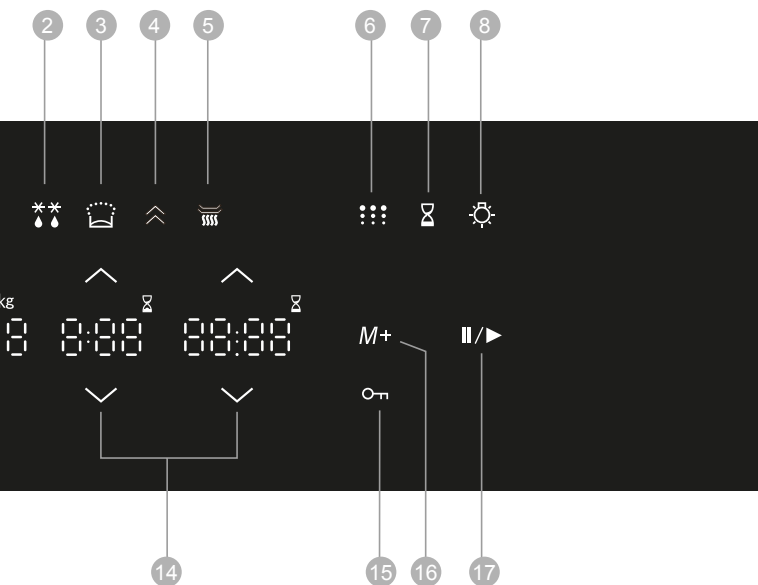


WARNING

If the force applied to close the door is too strong, the effect of the system is reduced or the system will be bypassed for safety.



1. **Auto Programs** (see page 18-19)
2. **Defrost** (see page 23)
3. **Dough - rising and proofing** (see page 23)
4. **Quick Preheat** (see page 23)
5. **Warming** (see page 23)
6. **Pyro Cleaning** (see page 24)
7. **Timer key** (see page 20)
8. **Oven lamp key**



- 9. On/Off key
- 10. Memory Recall key
- 11. Operation Mode display
- 12. Temperature display
- 13. Weight display
- 14. Timer Functions display
- 15. Child Lock key
- 16. Memory Store key
- 17. Stop/Start key



NOTE

The keys will respond more effectively if you touch them with a larger area of your fingertip. Each time you touch a key, there will be a short acoustic signal.

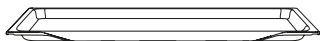
Oven Equipment and Accessories



The **Wire Shelf** is used for grilling or as a shelf for cookware, baking tray or baking dish.



There is a safety latch on the wire shelf. Therefore, lift the wire shelf slightly at the front when removing it from the oven.



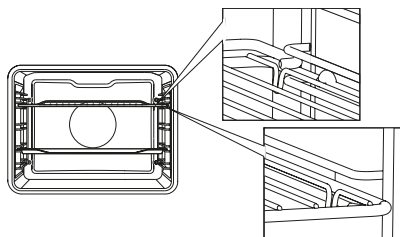
The **Shallow Baking Tray** is used for baking cakes, cookies and small pastry items.



The **Deep Baking Tray** is used for roasting meat and baking pastry. It can also be used as a drip tray.



Never place the deep baking tray in the 1st shelf position during the cooking process.



The wire shelf or the tray should always be inserted into the groove between the two wire guides.



WARNING

The appliance and some of the accessible parts heat up during cooking. Use oven gloves.

Switching on the appliance for the first time

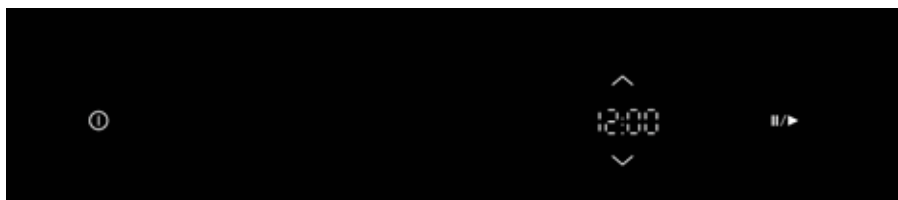
After switching the oven on for the first time, the oven will perform a self check for approximately 30 seconds. During this time, to prevent any errors, do not open the oven door.

If an error does occur, please refer to the trouble shooting guide. (see page 46)


Setting the Clock

After connecting your appliance to the power mains or after an extended power outage, **12:00** will flash in the display.

 If you press and hold the up and down keys, the rate at which the set value is being changed will increase.



Touch the up () and down () keys to set the time of day.

 The oven will work if the clock is not set. However, the timer will not function in manual cooking mode. After a few minutes, the appliance will switch to standby mode.

Changing the Clock

Clock settings may be changed when no timer function is activated.



Using the Appliance

Cooking modes




Manual mode



All settings are selected manually by the user.




Touch the up () and down () keys to select the cooking mode/system and oven temperature.


The following extra functions can be selected as well:

-  Preheat
-  Cooking duration
-  Delayed start

 The symbol  lights up in stages until the selected temperature is reached. Cooking mode/system cannot be changed during operation; temperature may be changed.










Preheat

Use the preheat function if you wish to heat the oven to the desired temperature as quickly as possible. Use the  symbol to activate the pre-heating function.

When the set temperature is reached, the preheating stage is complete and an acoustic signal is emitted. Open the door and insert food or press Stop/Start to begin cooking. The symbol  will disappear. The program then resumes the cooking process with selected settings.

 When the preheat function is set, delayed start function cannot be used.

Operation Modes

OPERATION	DESCRIPTION	PRESET TEMP (°C)
	UPPER / LOWER HEATER The heaters on the upper and lower side of the oven radiate uniformly and evenly into the oven interior. Pastries, cakes and meat can be cooked on one shelf position.	200
	UPPER HEATER Only the upper cavity heater will radiate heat. Use this heater to brown the upper side of the food.	150
	LOWER HEATER The heat is radiated by the heater installed in the bottom of the oven. Select this operation mode when you wish to bake / cook the bottom side of the food more thoroughly (e.g. for moist pastry with fruit filling).	160
	HALF GRILL The inner heater is activated. This mode is appropriate for grilling smaller quantities of toasted sandwiches or bread.	240
	FULL GRILL The inner and the outer heaters are activated simultaneously. This operation mode is appropriate for cooking smaller pieces of meat, such as steaks, chops and sausages.	240
	FAN GRILL The upper heater and the fan are activated simultaneously. It is appropriate for grilling and browning poultry pieces, ribs or gratins on one shelf position.	170
	CONVECTION AND LOWER HEATER The back heater, the fan and the lower heater operate simultaneously. This is suitable for making pizza, pastries, fruit cakes or baked cheesecakes.	200
	CONVECTION The back heater and the fan operate simultaneously in order for the hot air to circulate constantly. This mode is appropriate for roasting meat and baking on several shelves simultaneously. Cooking temperature should be set lower than conventional operation.	160
	LOWER HEATER AND FAN The lower heater and the fan operate simultaneously. Used for baking sweet bread dough and preserving fruit and vegetables. Use the 1st shelf position from the bottom and shallow tray.	180

Using the Appliance

Auto Mode



















Touch the key to select the desired auto mode. The selected symbol is lit.



The following preset values can be adjusted;

- quantity (weight)
- cooking temperature
- delayed start
- cooking duration

Using the Appliance

Symbol	Type of food/ function	Preset temperature (°C)	Max. temperature (°C)	Preset cooking time (hours)	Quantity (Kg)	Guide position (from the bottom)	Instructions	Operation mode
	Bread	190	275	0.50	1.00	2	Bake in the shallow tray.	
	Pizza *	200	275	0.20	0.50	2	Bake in the shallow tray.	
	Cookies*	160	275	0.20	0.20 - 0.60	2,3	Bake in shallow trays on two levels simultaneously.	
	Chicken	200	275	0.50	0.50 - 3.00	2	Cook on wire shelf in second shelf position. Use the shallow baking tray underneath as a drip tray in the first shelf position.	
	Cutlets/chops, fish*	240	275	0.18	0.50 - 1.50	3 3*	Cook on wire shelf in third shelf position. Use the shallow baking tray underneath as a drip tray in the first shelf position. Turn the meat shortly after half of the cooking time.	
	Crown roast	180	275	1.00 - 1.25	0.50 - 3.00	2	Roast in a baking dish on wire shelf in second shelf position.	
	Slow cooking	100	130	2.00 - 6.00	-	2	Cooking/roasting meat (pork, beef, veal). Place the meat into a covered baking dish and add herbs, spices, and vegetables.	
	Auto Roast Mode	180	275	1.00	-	2	Cooking various types of meat (steak, chops).	

Asterisk (*) next to the type of food indicates that preheating is required. Preset cooking time does not include the time required for preheating.

Timer Functions



Setting the cooking time

You can define the duration of cooking time. Set the desired cooking time. Cooking end time is adjusted automatically.

Press Stop/Start to begin. The cooking process will not start until 2 hours before cooking end time (16.00).

All timer functions can be cancelled by setting the time to »0«.



Setting the delayed start

You may specify the duration of the cooking process (cooking time) and the time when you wish the cooking process to stop (end time). Make sure the clock is accurately set to current time.

Example:

Current time: 12.00

Cooking time: 2 hours

End of cooking: 18.00

First, set the cooking time (cooking duration), e.g. 2 hours. The sum of the current time and cooking time is automatically displayed (14.00). Set **Cooking end time** (18.00). Press Stop/Start to start the cooking process. The timer will wait for the start of the cooking process.



NOTE

After the set time expires, the oven will automatically stop operating (end of cooking). An acoustic signal will be heard which you may turn off by pressing any key. After three minutes, the acoustic signal will be switched off automatically.

After a few minutes, the appliance will switch to standby mode. The time of day will appear.

Using the Appliance

Saving to Memory



Auto Mode

Touch the key to select the desired auto mode and choose your own settings:

- temperature
- quantity (weight)
- cooking duration
- delayed start

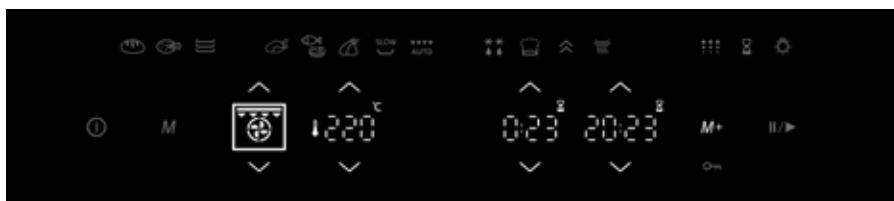
Touch and hold the M+ key for 3 seconds to save the settings (the display icons will light up twice).

💡 Recipes that you have previously stored in the memory can be retrieved and used at any time. Touch the M key. The icons that have had recipes saved to memory will light up. Tap the desired recipe to recall saved information.



NOTE

To select a saved recipe, the M key must be pressed first. If a second recipe icon is selected without tapping the M key first, the default settings for the recipe will be displayed.



Manual Mode

Choose the oven system. Preset values will appear which you can still adjust:

- temperature
- cooking duration
- delayed start

Touch the M+ key and hold it for 3 seconds to save the settings (the display icons will light up twice).

The saved setting becomes the default setting for that cooking operation and will appear when that operation is selected.

Using the Appliance

Starting the Cooking Process

After setting the desired cooking mode, start the cooking process by pressing the Stop/Start key.

If no timer function is selected, the cooking duration time, the operation and temperature symbols will appear on the display unit.



End of Cooking

After the cooking process, all timer settings are stopped, except for the kitchen timer. Time of day (clock) will be displayed. The cooling fan will continue to operate for a short time. After five minutes, the appliance will switch to standby mode.

Additional Functions



Touch the key to select the desired cooking function



Defrost

In this mode only the fan will be activated without any heaters. Use this function to slowly defrost frozen foods (cakes, pastries, breads, rolls, and fruits). Select the symbol, set the defrost time and touch Stop/Start key to start the process. During the defrost time, the food items should be turned, stirred and separated.



Dough – rising and proofing

Use this function to rise or proof leavened dough. Optimum temperature is maintained which will activate the yeasts and speed up the rising process.



Fast preheat

Use the preheat function if you wish to heat the oven to the desired temperature as quickly as possible. This mode is not appropriate for cooking. When the oven heats up to the selected temperature, the preheat process is completed and the oven is ready for cooking with the selected cooking mode.



Warming

This mode can be used to keep pre-cooked food warm. Select the symbol and set the temperature from 40 - 60 °C. Set the warming time and touch Stop/Start key to start the process.

Using the Appliance

General Settings



Touch the key to select the desired function.



Pyro clean

This function allows automatic cleaning of the oven cavity/interior. It uses a high temperature, to burn off residues and other impurities. When the automatic cleaning program is completed and the oven has cooled down, just wipe the oven cavity clean with a damp cloth. (see page 40-41)



Setting the kitchen timer

This mode can be selected by pressing the kitchen timer key. The kitchen timer can be used independently of the oven operation for a maximum 9 hours 59 mins. When the time expires, an acoustic signal will be heard which may be switched off by touching the timer key. After three minutes, the acoustic signal switches off automatically. The timer icon continues to flash.



Oven lighting

Oven lighting is switched on automatically when the door is opened or when cooking begins. After the end of the cooking process, the light will remain on for a further minute.

The light inside the oven can be switched on or off by pressing the oven lamp key.

Time

Set the current time after the appliance is first switched on or after being disconnected from the power mains for a longer period of time (more than one week).

The current time can be changed at anytime. When On/Off key is pressed and clock mode appears, for the first 30 seconds, up and down arrows will appear on the display. These can be used to change the time. Press Stop/Start to confirm.



Adjusting the display contrast

Display contrast can be set when the (light) symbol is visible. Hold the light key for eight seconds. First, »bri« will appear on the display unit, followed by three bars. Touch the (∧) and (∨) keys to adjust the display contrast. Three levels are available (one, two, or three bars). Press Stop/Start key to confirm. After 1 minute, if Stop/Start is not pressed, the current settings remain.

Sound

Sound can be set when the light symbol is visible. Hold the light key for eight seconds. Touch the up key (∧), »Vol« will appear on the display unit, followed by two fully lit bars. Touch the (∧) and (∨) keys to choose one of the four volume levels (zero, one, two, or three bars). Press Stop/Start key to confirm. After 1 minute, if Stop/Start is not pressed, the current settings remain.



WARNING

After a power outage or after switching off the appliance, all extra user settings are restored.

Cooking Charts

If your desired food cannot be found in the cooking chart, find information for a similar food type. The information displayed applies to cooking on a single level.

An interval of suggested temperature is indicated. Start with a lower temperature setting and increase it if you find the food is not cooked sufficiently.

Cooking times are rough estimates and may vary subject to certain conditions.

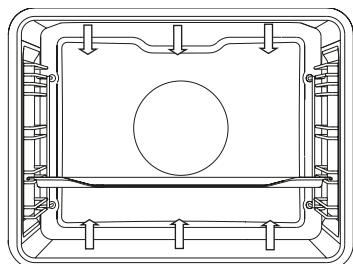
The symbol * means that the oven should be preheated using the selected cooking mode.

Use dark, black silicon-layered or enamel-coated baking trays and trays as they conduct the heat more effectively.

When using baking paper, make sure it is resistant to high temperatures.

When cooking larger joints of meat or pastry, a lot of steam will be generated inside the oven, which in turn may cause condensation on the oven door. This is normal and will not affect the operation of the appliance. After the cooking process, wipe the door and the door glass dry.

UPPER / LOWER HEATER



The heaters on the upper and lower side of the oven radiate uniformly and evenly into the oven interior. Pastries, cakes and meat can be cooked on one shelf position.

Roasting meat:

It is recommended to use enamel coated, Pyrex ®, earthenware, or cast iron pans or trays.

Food type	Weight (g)	Shelf position (from the base)	Temperature (°C)	Cooking time (minutes)
MEAT				
Pork roast	1500	2	190-200	120-130
Pork shoulder	1500	2	190-200	120-140
Pork roulade	1500	2	190-200	120-140
Meat loaf	1500	2	200-210	60-70
Beef roast	1500	2	190-210	120-140
Roast beef, well done	1000	2	200-210	40-60
Veal roulade	1500	2	180-200	90-120
Lamb roast	1500	2	190-200	100-120
Rabbit loin	1500	2	190-200	100-120
Venison shank	1500	2	190-200	100-120
FISH				
Braised fish	1000	2	210	50-60

Cooking Charts

Baking

Only use one level and dark baking trays or trays. On light-coloured baking trays or trays, the browning of the pastry will be less effective. Always place the baking trays on the wire shelf. If you are using the supplied baking tray, remove the wire shelf. Cooking time will be shorter if the oven is preheated.

Food type	Shelf position (from the base)	Temperature (°C)	Cooking time (minutes)
BAKING			
Savoury soufflé	2	190-200	30-35
Sweet soufflé	2	190-200	30-35
Rolls *	2	200-220	30-40
Bread *	2	180-190	50-60
White bread *	3	180-190	45-55
Buckwheat bread *	3	180-190	45-55
Whole grain bread *	3	180-190	45-55
Rye bread *	3	180-190	45-55
Spelt bread *	3	180-190	45-55
Walnut cake	2	180	45-55
Sponge cake *	3	160-170	25-30
Cheesecake	2	170-180	65-75
Cupcakes	3	170-180	25-30
Small pastries made with yeast dough	3	200-210	25-30
Cabbage pirozhki	3	200-210	25-30
Fruitcake	3	140-190	90
Meringue	3	120	90

Tips on baking

Is the cake cooked?

At the end of the cooking time, insert a metal skewer into the highest point of the cake and then withdraw it. If the batter does not stick to the metal skewer, the cake is cooked.

The sponge cake has collapsed after I take it out of the oven

Check the recipe. Check the instructions relating to mixing time. Ensure the oven door is not opened during cooking.

The pastry is too light-coloured

A dark-coloured baking tray cooks dishes faster and browns foods more than lighter coloured pans. Place the tray one shelf position lower, or turn on the lower heater towards the end of the cooking process.

Pastries with a moist filling (e.g. deep filled pie) is not cooked

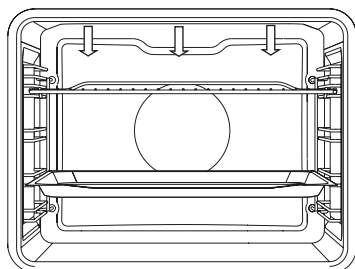
Reduce the temperature and extend the cooking time.



WARNING

Do not insert the deep baking tray into the 1st shelf position.

FULL GRILL / HALF GRILL



Full Grill

The inner and the outer heaters are activated simultaneously. This operation mode is appropriate for cooking smaller pieces of meat, such as steaks, chops, sausages, etc.

Half Grill

The inner heater is activated. This mode is appropriate for grilling smaller quantities of toasted sandwiches or bread.

Preheat the grill for five minutes.

When cooking with grill, do not leave unattended.

Cooking with the grill heater is suitable for crispy and low-fat cooking of sausages, small cuts of meat and fish (steaks, escalopes, salmon steaks or fillets etc.) or toasted bread.

When grilling directly on the wire shelf, brush it with oil to prevent the meat from sticking onto it and insert it into the 4th shelf position. Insert the drip tray beneath the wire shelf. Turn the food during cooking.

After grilling, clean the oven, and accessories.

Half Grill

Food type	Weight (g)	Shelf position (from the base)	Temperature (°C)	Cooking time (minutes)
MEAT				
Beefsteak, rare	180 g / piece	4	240	18-21
Pork neck fillet	180 g / piece	4	240	18-22
Cutlets/chops	180 g / piece	4	240	20-22
Grill sausages	100 g / piece	4	240	11-14
TOASTED BREAD				
Toast	-	4	240	3-4
Open sandwiches	-	4	240	5-7

Cooking Charts

Full Grill

Food type	Weight (g)	Cooking level (from the base)	Temperature (°C)	Cooking time (minutes)
MEAT				
Beefsteak, rare	180 g / piece	4	240	14-16
Beefsteak, well done	180 g / piece	4	240	18-21
Pork neck fillet	180 g / piece	4	240	19-23
Cutlets/chops	180 g / piece	4	240	20-24
Veal escalope	180 g / slice	4	240	19-22
Grill sausages	100 g / piece	4	240	11-14
FISH				
Salmon steaks/fillets	600	3	240	19-22
TOASTED BREAD				
6 slices of white bread	-	4	240	1.5-3
4 slices of multi grain bread	-	4	240	2-3
Open sandwiches	-	4	240	3.5-7

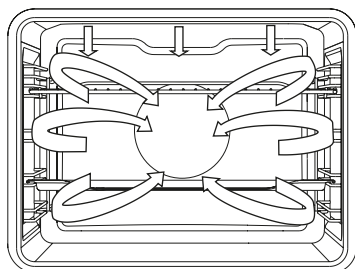


WARNING

Always keep the oven door closed when using the grill. Grill heater, wire shelf, and other oven accessories get very hot during grilling. Use oven gloves and meat tongs.

Cooking Charts

FAN GRILL

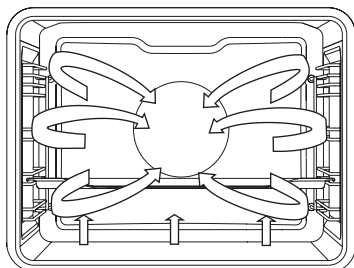


The upper heater and the fan are activated simultaneously. It is appropriate for grilling and browning poultry pieces, ribs or gratins on one shelf position.

Food type	Weight (g)	Shelf position (from the base)	Temperature	Cooking time (minutes)
MEAT				
Duck	2000	2	150-170	80-100
Pork roast	1500	2	160-170	60-85
Pork shoulder	1500	2	150-160	120-160
Pork shank	1000	2	150-160	120-140
Half of chicken	600	2	180-190	25 (side 1) 20 (side 2)
Chicken	1500	2	210	60-65
FISH				
Trout*	200	2	170-180	45-50

Cooking Charts

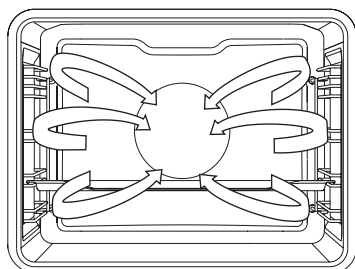
CONVECTION AND LOWER HEATER



The back heater, the fan and the lower heater operate simultaneously. This is suitable for making pizza, pastries, fruit cakes or baked cheesecakes.

Food type	Shelf position (from the base)	Temperature (°C)	Cooking time (minutes)
Cheesecake	2	150-160	65-80
Pizza	2	200-210	15-20
Quiche Lorraine	2	180-200	35-40
Apple pie	2	150-160	35-40
Apple strudel	2	170-180	45-65

CONVECTION



The back heater and the fan operate simultaneously in order for the hot air to circulate constantly. This mode is appropriate for roasting meat and baking on several shelves simultaneously. Cooking temperature should be set lower than conventional operation.

Roasting meat

It is recommended to use enamel coated, Pyrex ®, earthenware or cast iron pans or trays.

Provide enough liquid during the cooking process to prevent the meat from burning. Turn the meat during roasting. Covering the roast can retain moisture.

Food type	Weight (g)	Shelf position (from the base)	Temperature (°C)	Cooking time (minutes)
MEAT				
Pork roast, including skin	1500	2	170-180	140-160
Pork belly	1500	2	170-180	120-150
Chicken, whole	1200	2	180-190	60-80
Duck	1700	2	160-170	120-150
Goose	4000	2	150-160	180-200
Turkey	5000	2	150-170	180-220
Chicken breast	1000	2	180-190	70-85
Stuffed chicken	1500	2	170-180	100-120

Cooking Charts

Baking

Preheating is recommended.

Biscuits and cookies can be baked in shallow baking trays on two shelf positions simultaneously (2nd and 3rd shelf positions). Position the wire shelf in the 3rd shelf position. Place your own baking tray directly on the wire shelf. For the lower level use the shallow baking tray in the 2nd shelf position.

Note that baking time can differ. The biscuits on the upper baking tray may be ready sooner than those on the lower one. For even browning, ensure the biscuits are of the same thickness.

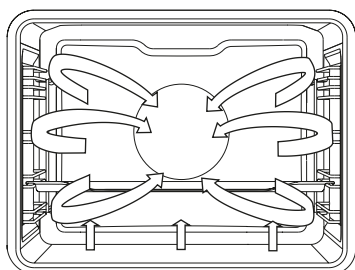
Food type	Shelf position (from the base)	Temperature (°C)	Cooking time (minutes)
Cake	2	150-160	45-60
Sponge cake	2	150-160	25-35
Crumble cake	2	160-170	25-35
Plum cake	2	150-160	35-60
Sponge roll	2	160-170	15-25
Fruit cake	2	160-170	50-70
Challah (braided yeast bun)	2	160-170	35-50
Apple strudel	2	170-180	40-60
Jelly-filled rolls (Buchtel)	2	170-180	30-35
Pizza	2	190-210	25-45
Biscuits	3	150-160	15-25
Biscuits, pressed	3	150-160	15-28
Cookies	3	170-180	20-35
Filo pastry	3	170-180	20-30
Choux pastry	3	180-190	25-45
PASTRY – FROZEN			
Apple and cottage cheese strudel	3	170-180	50-70
Cheesecake	3	160-170	65-85
Pizza	3	170-180	20-30
Frozen potato products	3	170-180	20-35
Croquettes, oven-baked	3	170-180	20-35



WARNING

Do not insert the deep baking tray into the 1st shelf position.

LOWER HEATER AND FAN



The lower heater and the fan operate simultaneously. Used for baking sweet bread dough and preserving fruit and vegetables. Use the 2nd shelf position from the bottom and shallow tray.

Food type	Shelf position (from the base)	Temperature (°C)	Cooking time (minutes)
FRUIT			
Strawberries	2	180	20-30
Stone fruits	2	180	25-40
Fruit sauce	2	180	25-40
VEGETABLES			
Pickled gherkins	2	180	25-40
Beans/carrots	2	180	25-40

Cooking Charts

Preserving

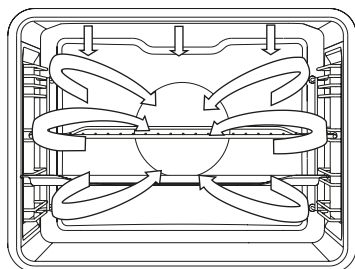
Prepare the food to be preserved and jars as usual. Use jars with a rubber sealing ring and a glass cover. Do not use jars with threaded or metal caps or metal tins. Make sure the jars are of equal size, filled with the same contents, and tightly sealed.

Pour 1 litre of hot water into the deep tray (approx. 70 °C) and place 6 1-litre jars into the tray. Place the tray into the oven in the 2nd shelf position.

During preservation, observe the food and cook until bubbles appear in the first jar.

Food type	Amount (L)	170 °C – 180 °C until bubbles appear in the first jar	Temperature at the start of simmering – when bubbles appeared	Resting time in the oven (min)
FRUIT				
Strawberries	6×1 L	40-55	switch off	25
Stone fruits	6×1 L	40-55	switch off	30
Fruit sauce	6×1 L	40-55	switch off	35
VEGETABLES				
Pickled gherkins	6×1 L	40-55	switch off	30
Beans, carrots	6×1 L	40-55	120 °C, 60 min	30

AUTO ROAST MODE



In the Auto Roast Mode, the upper heater will operate in combination with the grill heater and the back heater. It is used for roasting all types of meat.

When grilling directly on the wire shelf, brush it with oil to prevent the meat from sticking onto it and insert it into the 3rd shelf position. Insert the deep baking tray into the 2nd shelf position. When roasting meat in a baking tray, insert it into the 2nd shelf position.

Food type	Weight (g)	Shelf position (from the base)	Temperature	Cooking time (minutes)
MEAT				
Beef tenderloin	1000	3	190-210	45-55
Chicken, whole	1500	3	170-190	60-70
Chicken, whole	2000	3	170-190	90-110
Turkey	4000	3	160-180	150-180
Pork roast	1700	3	150-170	100-120
Meat loaf	1000	3	160-180	70-80
Veal	1000	3	170-190	100-120
Lamb	1000	3	170-190	50-60
Venison	1000	3	170-190	55-65
Fish	1000	3	160-180	35-55

Maintenance and Cleaning

Do not use a steam cleaner or a high-pressure steam cleaner to clean the appliance.

External surfaces

Clean the surfaces with non-abrasive detergents and a soft cloth. Apply the detergent on the cloth and wipe off the dirt; then, rinse with water. Do not use abrasive cleaners, sharp objects or steel wool, as these will scratch the appliance.

Door handle

Door handle should be cleaned with non-abrasive detergent. Apply the detergent on a wet cloth and clean the surface; then, rinse the surface with water. Do not apply the cleaner directly on the aluminium surface. Do not use abrasive cleaners or abrasive sponges.

Stainless steel front panels

Clean the surface with a mild cleaner and a soft sponge that will not scratch the material. Do not use abrasive or solvent-based cleaners.



WARNING

Before performing cleaning and maintenance tasks, use isolating switch to disconnect the power supply and wait for the appliance to cool down.

Children should not clean the appliance or perform maintenance tasks.

The surfaces should never come into contact with oven cleaning sprays, as these may cause permanent damage.

Dealing with stubborn stains:

The oven should be cooled down before each cleaning process.

- Clean the oven and accessories after each use to prevent any food residues from being burnt onto the oven.
- The easiest way to remove grease is by regularly cleaning with a mild detergent.
- In case of stubborn stains, use conventional oven cleaners. Then, rinse the oven thoroughly with clean water to remove all residues.
- Never use abrasive cleaners such as steel wool, abrasive sponges, stain removers, etc.
- Lacquer-coated, stainless steel, zinc-coated and aluminium parts, should never come into contact with oven cleaning sprays, as these may cause damage and discolouration. This applies for the thermostat sensor and the heaters in the upper part of the oven.
- Observe the instructions provided by cleaning agent manufacturers.

Practical tips

- Take care when cooking larger fatty pieces of meat or poultry, cover with aluminum foil, to prevent the grease from splattering on the oven interior walls.
- When grilling meat on the wire shelf, place a drip tray underneath.

Accessories

Wash the accessories (baking trays, wire shelf, etc.) with hot water and mild detergent.

Maintenance and Cleaning

Pyro clean - automatic oven cleaning

For normal oven use, it is advised to run the pyro cleaning program once per month. Before starting the cleaning function, remove the worst dirt from the cooking compartment, then wipe the oven with a damp cloth.

Food and fat residues may ignite during the process.

Before activating pyro cleaning program, remove all guides and accessories.



WARNING

If the oven is installed underneath a hob, make sure that the burners or electric plates remain off during the automatic cleaning cycle. During the pyro cleaning program hot air may be exhausted from the vent above the door.



Touch the Pyro clean key and choose the desired cleaning intensity.

Level 1: *approx. 90 min*

Level 2: *approx. 120 min*

Level 3: *approx. 150 min*

Touch the Stop/Start key. An acoustic signal sounds at the end of the cleaning process.

When the temperature reaches 250 °C the oven door will lock automatically.

Do not open the oven door while the automatic cleaning program is in progress. The program may be terminated.

Unpleasant odours may be emitted from the oven during the cleaning process.

After the cleaning process has finished an acoustic signal sounds. The door remains locked until the oven has cooled. When the oven has cooled down, wipe it with a damp cloth. Wipe the oven door and the adjacent surfaces. Do not rub the door seal.



WARNING

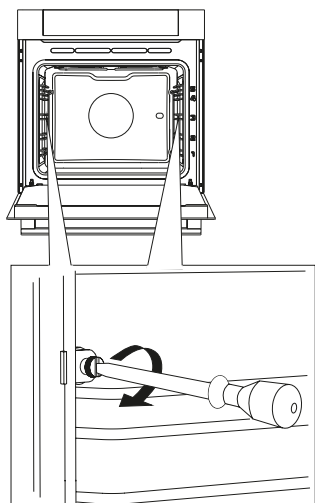
Whilst using the pyro cleaning program the surfaces may get hotter than usual and children should be kept away.

Cleaning the accessories in the oven

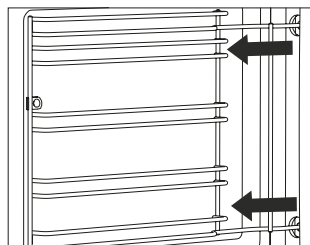
The pyro clean program can also be used to occasionally clean the shallow baking tray and deep baking tray. After use, clean them with hot water and detergent, then wipe them with a cloth and place them into the 2nd or 3rd shelf position of the wire guide.

Maintenance and Cleaning

Removing the guides



1 Undo the screw.



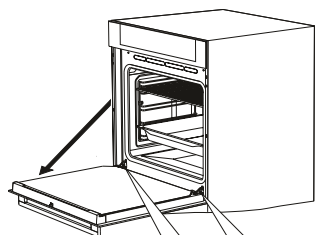
2 Remove the guides from the holes in the back wall.



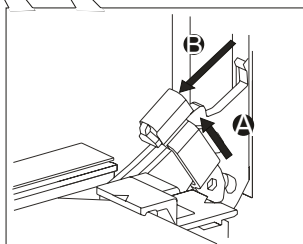
NOTE

After cleaning, replace guides and tighten screws.

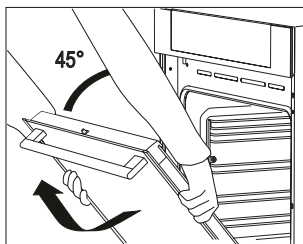
Removing and inserting the oven door



1 First, fully open the door.



2 Slightly lift the hinge retainers and pull the door towards you.



3 Slowly close the door to a 45° angle (relative to the position of the fully closed door); then, lift the door and pull it out.

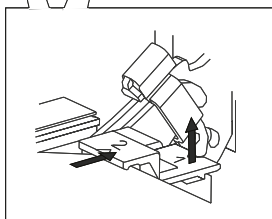
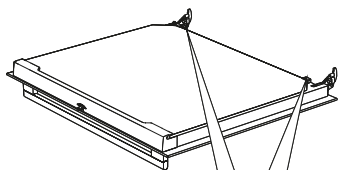


To replace the door, follow the reverse order. If the door does not open or close properly, make sure the notches on the hinges are aligned with the hinge beds.

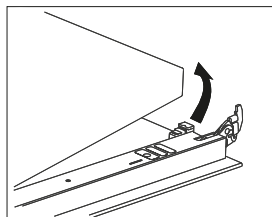
Maintenance and Cleaning

Removing and inserting the oven door glass

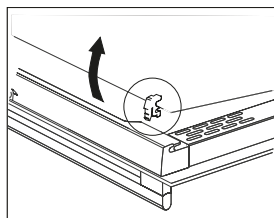
Oven door glass pane can be cleaned from the inside, but it has to be removed first. Remove the oven door (see page 43).



1 Slightly lift the supports on the left and right side of the door (1 on the diagram) and pull them away from the glass pane (2 on the diagram).



2 Hold the door glass pane by the lower edge. Slightly lift it so that it is no longer attached to the support then remove it.



3 To remove the third glass pane, lift and remove it. Also remove the rubber seals on the glass pane.



NOTE

To replace the glass pane, observe the reverse order.

Replacing the bulb

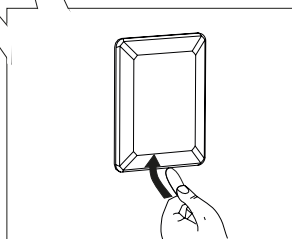
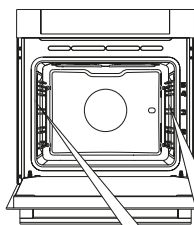
The bulb is a consumable and therefore not covered by warranty. Before changing the bulb, remove the trays, the wire shelf, and the guides.



WARNING

Before replacing the light bulb, make sure the appliance has been disconnected from the mains power via the isolating switch, in order to prevent an electric shock.

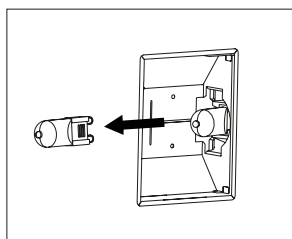
(Halogen lamp: G9, 230 V, 25 W)



Unplug the appliance from the power supply and wait for the appliance to cool down.

1 Use a flat screwdriver to release the bulb cover and remove it.

NOTE: Take care not to damage the enamel.



2 Remove the halogen bulb.

Troubleshooting

Symptom	Possible Cause
The display does not respond - the display is frozen.	Disconnect the appliance from the main power switch for a few minutes, then reconnect the appliance and switch it on.
The main fuse in your home trips often.	Call a service technician.
The oven lighting does not work.	The process of changing the light bulb is described on page 45.
An error code is displayed (Err 01, Err 02, Err 03, etc.)	<ul style="list-style-type: none"> • There is an error in the electronic module operation. Disconnect the appliance from the power mains for a few minutes. Then, reconnect it and set the time of day. • If the error is still indicated, call a service technician.
The mechanical door lock has remained in the locked position (either with door open or closed)	<ul style="list-style-type: none"> • The most likely cause for this issue would be a power outage. Refrain from touching the appliance for approx. 1 minute. The issue should resolve itself and the lock should return to it's initial position. • If the issue does not resolve itself, call a service technician.

If the problems persist despite following the advice above, call an authorised service technician. Repair or any warranty claim resulting from incorrect connection or use of the appliance shall not be covered by the warranty. In this case, the user will cover the cost of repair.

During the warranty period, any repairs may only be performed by service technicians authorised by the appliance manufacturer.

Unauthorised tampering and repairs may cause a risk of electric shock and short circuit; do not attempt this yourself. Consult an authorised service technician.

Installation Instructions

Installation and Connection

Please fully observe the following safety precautions.



IMPORTANT

- Unpack the appliance, remove all packing material, and examine for any damage. If the appliance is damaged DO NOT install and notify your dealer immediately.
- Install the appliance in accordance with the Installation Instructions. Otherwise, the performance of the appliance may be affected.
- After installation perform a test run and explain to the customer how to operate the appliance advising location of isolating switch.
- Correct installation is the responsibility of the installer. Any malfunction or accident resulting from the failure to follow the Installation Instructions is not covered by the warranty.
- The rating plate indicating the basic information of the appliance is attached to the inside of the oven and is visible when you open the door. Do not remove.

Safety Instructions

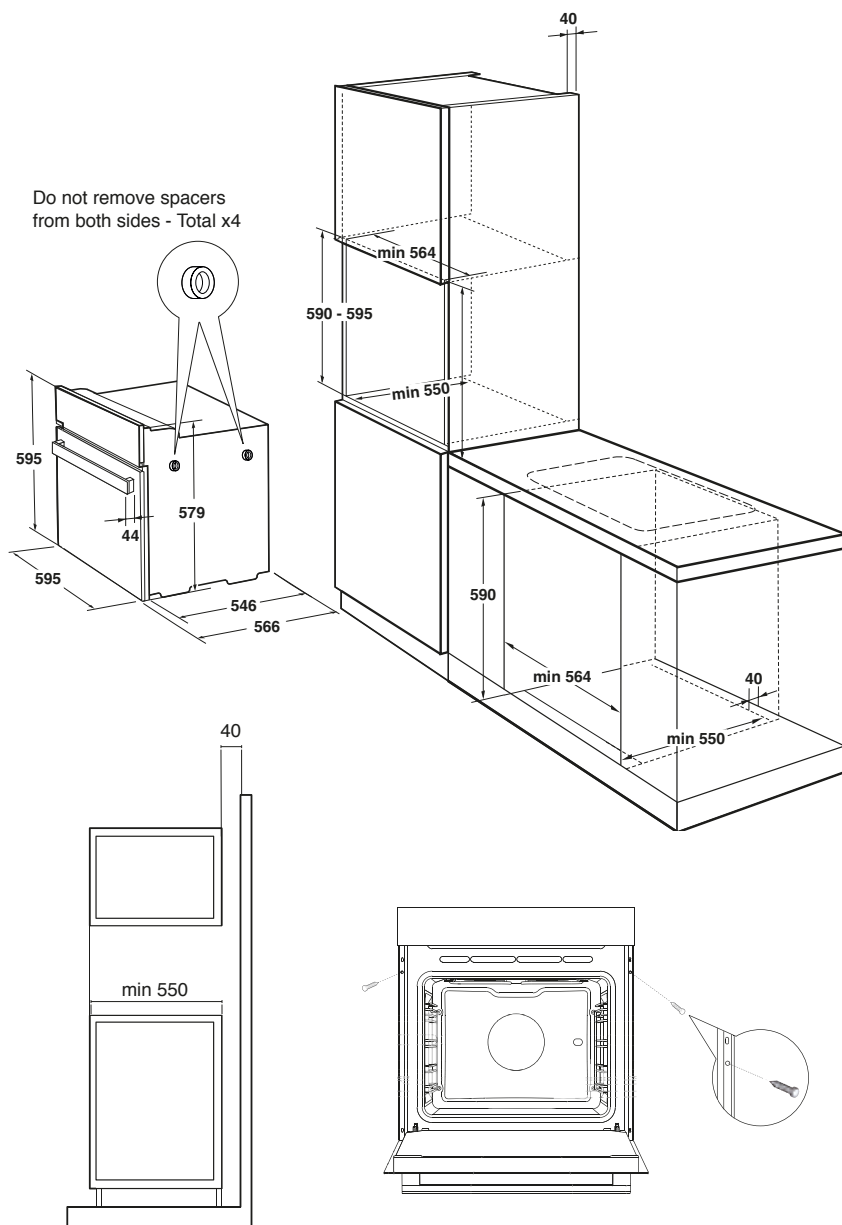
- When the appliance is installed with another suitable appliance, it must be fitted above a fixed shelf in the housing unit that is able to support the weight of both appliances.
- When built in directly above a warming drawer, an interim shelf between the two appliances is not necessary.
- The appliance must be installed in a position where it can be fully opened and the contents can be clearly viewed. This is to avoid burns and other injuries.

Safety Instructions

- For the appliance to function correctly, it is important that the base of the appliance is level. A spirit level should be used.
- The appliance must only be operated when built-in. This is to ensure that all electrical parts are shielded and live parts are not exposed.
- Ensure power is not supplied to the appliance until after installation work has been carried out.
- The manufacturer will not be held liable for any damages resulting from incorrect or improper installation.

Dimensions

(measurements: mm)



Installing the Appliance

Electrical connection

- Before connection, check that the mains voltage corresponds to that indicated on the rating plate fixed to the inside of the appliance. This data must correspond in order to avoid the risk of damage to the appliance.
- This appliance is not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection in under overvoltage category III conditions. Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules and regulations.
- Single-phase AC 200-240, 50 Hz electrical system must be used.
- Check the local utilities for electrical codes applied in the area. Failure to wire the appliance according to governing rules may result in a hazardous condition.
- After installation show the customer where the isolating switch for the appliance is located. This must be easily accessible with the installed appliance.

Installation

- Veneer or other finish of the furniture the appliance is being built into should be processed with heat-resistant glue (100°C); otherwise, high temperatures may cause them to deform.
- There must be no rear wall fitted to appliance housing.
- There must be a gap of at least 40 mm between the wall and the back of the unit.
- Level the piece of furniture the appliance was built into with a spirit level.
- The piece of kitchen furniture the appliance is built into must be secured against movement, e.g. Attached to the adjacent pieces of kitchen furniture.
- Align the appliance flush with the units and screw it in place.
- When attaching the appliance, make sure the screws are not fastened too strongly as this may damage the furniture or the appliance enamel coating.
- The ventilation slots and air intake points must not be covered. To ensure that they remain uncovered also observe the installation instructions of any appliance installed with this oven.



NOTE

- Ensure that the connector lead does not become trapped or bent.
- After installation the connector lead must not be in contact with the back or the base of the appliance.

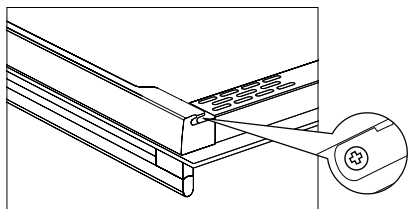
Installing the Appliance

Door Handle Adjustment

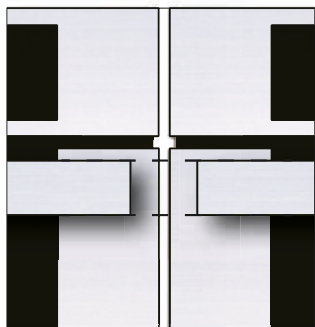
The door handle of this oven can be adjusted in order to align with an appliance fitted alongside.



1 Open oven door and remove inner glass (see page 44).



2 Slightly loosen each screw located at the top of the door directly behind the door handle.



3 Close the door and align the handle with the appliance alongside.

4 Carefully open the door while holding the handle in place ensuring it does not move or change position.

5 Re-tighten the screws and insert the inner glass (see page 44).

Specifications

Manufacturer	Panasonic
Model identification	HL-PX665SJPQ HL-PX665BJPQ
Type of oven	Built-in
Mass of the appliance	37 kg
Number of cavities	1
Heat source per cavity	Electric
Volume per cavity	70 l
Energy consumption required to heat a standardised load in a cavity of an electric heated oven during a cycle in conventional mode per cavity	1.00 kWh /cycle
Energy consumption required to heat a standardised load in a cavity of an electric heated oven during a cycle in fan-forced mode per cavity	0.89 kWh /cycle
Energy efficiency index per cavity	106.0
Power supply	220-240 V ~ 50/60 Hz
Power consumption	3400 W
External dimensions (approx.)	595 mm (W) 566 mm (D) 595 mm (H)
Interior dimensions (approx.)	481 mm (W) 415.5 mm (D) 352 mm (H)

This product complies with the requirements of EN 60350-1:2013 (Methods for measuring Performance - Ovens)

Manufactured by: Panasonic Manufacturing U.K. Ltd.

Wyncliffe Road, Pentwyn Industrial Estate, Cardiff, S.Glam. CF23 7XB U.K.

REP. EU: Panasonic Testing Centre

Winsbergring 15, 22525 Hamburg, Germany

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<http://www.panasonic.com>

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