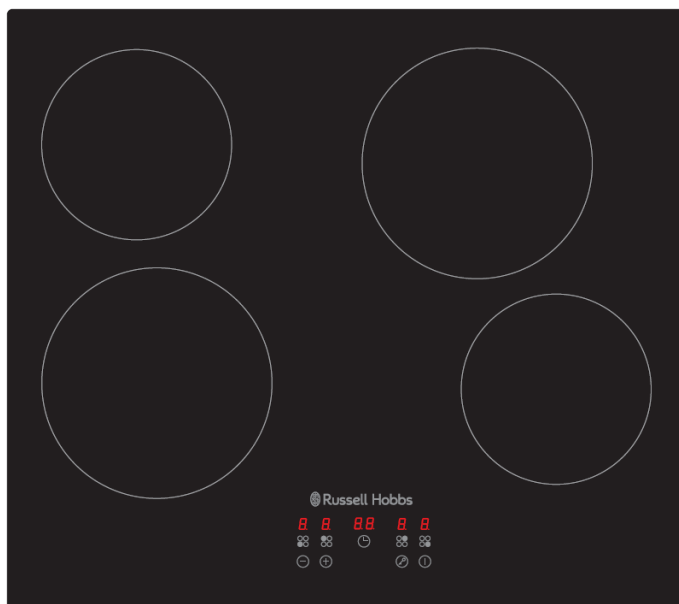




Russell Hobbs

Electric Hob Instruction Manual



Model number(s):

RH60EH413B / 414 B/MB

IMPORTANT:

RETAIN FOR FUTURE REFERENCE

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Safety Instructions

Important note:

Please read this booklet before installing and switching on this appliance. The manufacturer assumes no responsibility for incorrect installation and usage as described in this booklet.

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.

Electric ovens and hobs must be hard-wired to a suitably rated electrical cooker power point – it is recommended that you consult a qualified electrician. Failure to do so will invalidate your guarantee, liability claims and could lead to criminal prosecution

- Children should be supervised to ensure that they do not play with the appliance.
- If the supply lead is damaged it must be replaced by a qualified person using the correct lead.
- Packaging material is dangerous to children. Never allow children to play with packaging material.
- Check the appliance for damage after unpacking it. Do not connect the appliance if it has been damaged in transport.
- The appliance can only be used safely if it is correctly installed according to the safety instructions. The installer is responsible for ensuring that the appliance works correctly after installation.

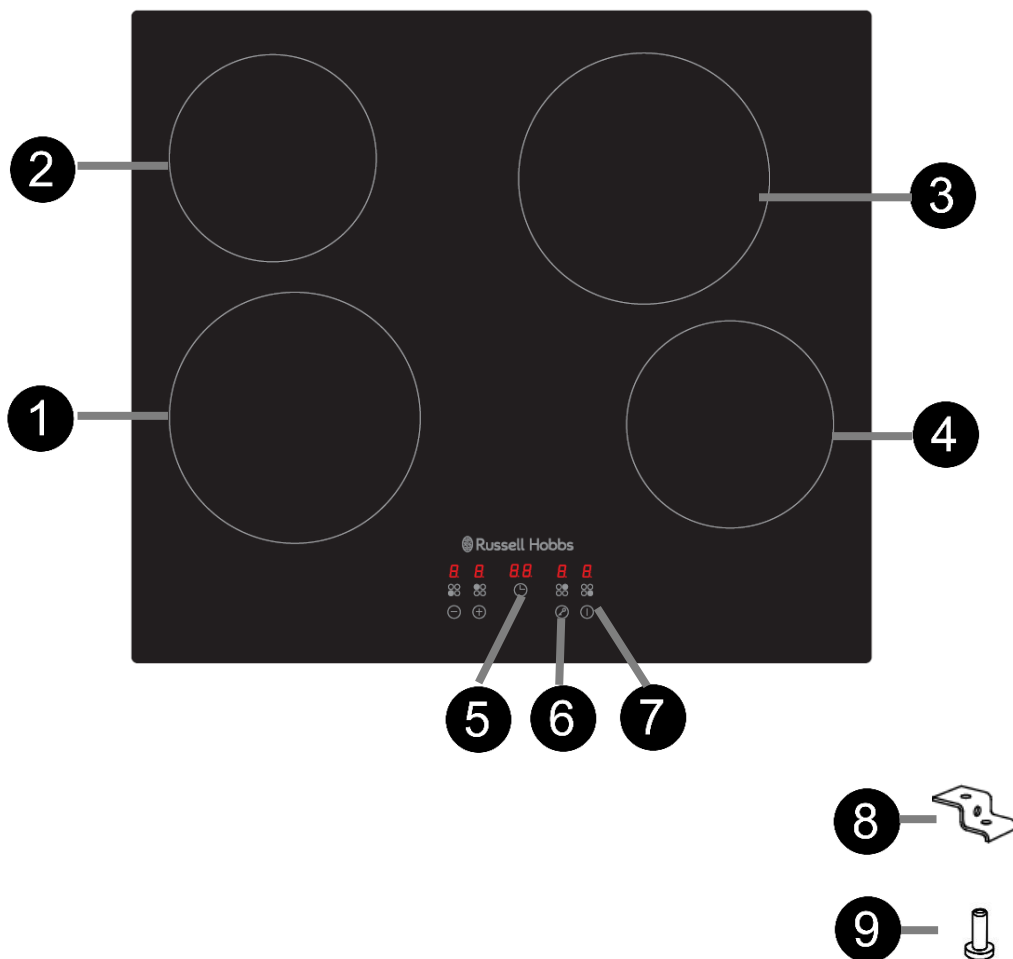
Safety Instructions

- All operations relating to installation and regulation must be carried out by an authorised installation engineer, respecting applicable regulations, standards and the specifications of the local electricity providers.
- This appliance can only be installed in a well-ventilated place.
- This appliance is intended for domestic use and the household environment only. The appliance is not intended for use outside.
- Do not tamper with the appliance's interior. If necessary, call our customer helpline
- Do not switch on the appliance if it is damaged in any way. Contact our customer helpline
- This appliance is only intended for cooking purposes, not as a heating system.
- Do not leave the appliance unattended during operation. The manufacturer is not liable for damage which is caused by improper use or incorrect operation.
- Hot oil and fat can ignite very quickly. Never leave hot fat or oil unattended. Never use water to put out burning oil or fat. Switch off the appliance. Extinguish flames carefully using a lid, fire blanket or something similar.
- When the cooking zones are in operation without any cookware placed on them, they can build up a lot of heat. Only operate the cooking zones with cookware on them.
- Operating several cooking zones at the same time gives rise to a great deal of heat.
- The accessible parts become very hot when in operation. Never touch hot parts. Keep children at a safe distance.
- Do not use covers. These can cause accidents, due to overheating, catching fire or materials shattering, for example.
- Do not use inappropriate child safety shields or hob guards. These can cause accidents.

Safety Instructions

- The hob will become very hot. Never place combustible items on the hob. Never place objects other than cookware on the hob.
- The appliance gets hot. Do not keep combustible objects or aerosol cans in drawers directly underneath the hob.
- A defective appliance may cause electric shock. Never switch on a defective appliance. Unplug the appliance from the mains or switch off the circuit breaker in the fuse box. Contact the customer services.
- Cracks or fractures in the glass ceramic may cause electric shocks. Switch off the circuit breaker in the fuse box. Contact the customer services.
- Components inside the appliance may have sharp edges. Wear protective gloves.
- Saucepans may suddenly move due to liquid between the pan base and the hotplate. Always keep the hotplate and saucepan bases dry.
- Incorrect repairs are dangerous. Repairs may only be carried out by a qualified electrician.
- Do not use any high-pressure cleaners or steam cleaners, which can result in an electric shock.
- Never use strong and abrasive cleaning agents as they will cause surface damage.
- In the event of a malfunction, turn off the appliance's electricity supply. For repairs, call customer services.

Product overview

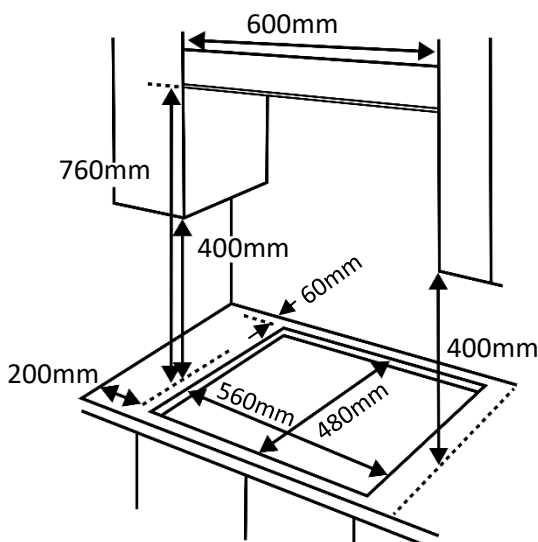


- 1. 1800W (max)
- 2. 1200W (max)
- 3. 1800W (max)
- 4. 1200W (max)
- 5. Timer

- 6. Lock
- 7. On/Off
- 8. 4 x Brackets
- 9. 4 x Screws

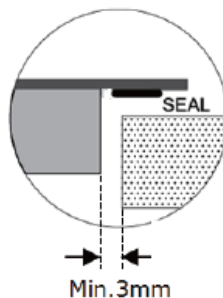
Positioning

- This appliance is to be installed in a counter top.
- Avoid damaging the product during installation.
- The appliance can only be used safely if it is correctly installed according to the safety instructions. The installer is responsible for ensuring that the appliance works correct when installed.
- **Electric ovens and hobs must be hard-wired to a suitably rated electrical cooker power point – it is recommended that you consult a qualified electrician. Failure to do so will invalidate your guarantee, liability claims and could lead to criminal prosecution.**
- The edges of the hob must be a minimum of 60mm from a side or rear wall.
- The highest point of the hob must be a minimum of 760mm from the underside of any surface **directly** above it.
- The highest point of the hob must be a minimum of 400mm from the underside of any surface **either side** of the hob. If any surface **either side** of the hob is lower than 400mm, then it must be at least 50mm from the outer edges of the hob.
- There must be a minimum of 50mm of clearance around the hob and any combustible materials.



Positioning

- Be sure the thickness of the work surface is at least 30mm
- You must have a gap of a minimum gap of 25mm between the underside of the appliance and any surface below it.
- You must leave a gap of 3mm between the sides of the hob and the inner surfaces of the worktop.



Note:

- **Select heat-resistant work surface material to avoid larger deformation caused by the heat radiation from the appliance.**
- **To install a hob above an oven, the oven must have forced ventilation.**
- **Check the dimensions of the oven when being installed with the hob**

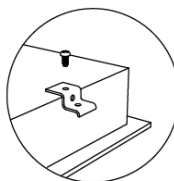
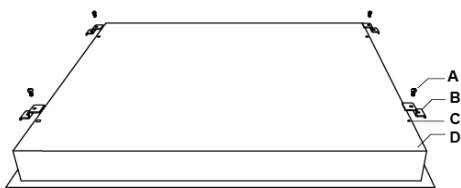
Installation

Preparation & installation

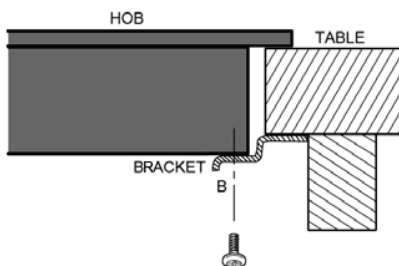
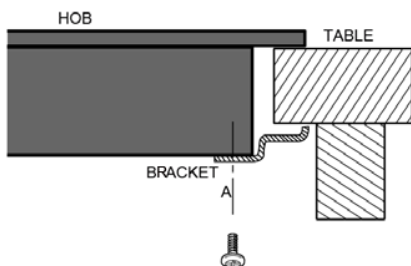
Ensure that there are no electric wires, gas or water pipes in the area where holes are to be made.

Components of the appliance may have sharp edges. Wear protective gloves.

1. Ensure that that there is an electrical plug socket within adequate distance of the hob after it has been installed.
2. Cut out the aperture that measure 560mm by 490mm deep, in accordance with the positioning instructions detailed on the previous page.
3. Carefully and gently lower the hob into the aperture hole that you have cut out.
4. Fix the hob on the work surface by screwing the 4 brackets on to the underside of hob after installation:



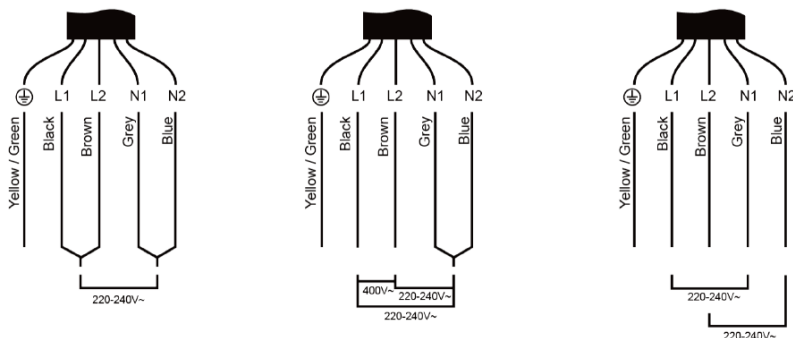
5. The brackets position can be adjusted to suit different thickness of work surfaces:



Installation

Electrical connection

- **WARNING- THIS APPLIANCE MUST BE EARTHED**
- This appliance is designed to be connected to a 220-240V~50Hz AC electricity supply.
- Before proceeding with the electrical connection, verify that the current carrying capacity of the system and the isolator / main switch is adequate for the maximum power rating of the hob.
- Electrical installation of the residence and of the appliance's isolator must be earthed and conform with the required safety regulations.
- If there is no suitable circuit and a fused switch, they must be installed by a qualified electrician before the hob is connected.
- An isolator switch must be easily accessible once the hob has been installed.
- Do not use adaptors, multiple sockets and/or extension leads.
- A circuit breaker with a contact opening of at least 3 mm, rated 32A and delayed functioning type must be installed inside the supply circuit.
- During installation, please ensure that insulated cables are used. An incorrect connection might damage your appliance and will void the manufacturer's guarantee.
- All repairs must be carried out by an authorised service personal or a qualified electrician.
- Switch off/isolate your appliance before each maintenance.
- Wiring diagram is below:



Usage

Controls

The appliance has 4 cooking zones and these are controlled by the touch controls at the bottom of the hob. Just above each cooking zone controls there is an illustration that shows the cooking zone that each set control:



The function of each touch control and the meaning of each icon is explained below:



Power on/off



Cooking zone indicator



Power level adjustment down and up

- Minimum power level: 1
- Maximum power level: 9



Timer function on



Time adjustment down and up



Child lock



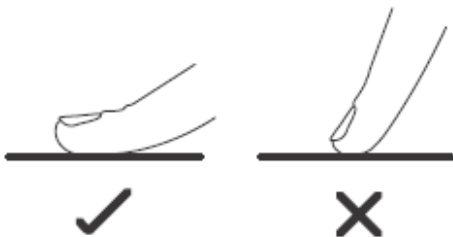
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Usage

Using the touch controls

The controls respond to touch, so you don't need to apply pressure to them. Below are tips on how to use the controls:

- Use the ball of your finger, not its tip.
- You will hear a beep each time a touch is registered.
- Make sure the controls are always clean, dry, and that there is no object (e.g. a utensil or a cloth) covering them. Even a thin film of water may make the controls difficult to operate.



Indicators

Cooking zone indicators

Each set of cooking zone controls has its own indicator that is located above zone indicator. The indicator will show the power level of the zone, if a zone has any residual heat after operation and if it is being used with the timer.



Timer indicator

The timer indicator is located above the timer icon. controls. It will show the time that has been set for the minute minder and if one cooking zone is to be turned off after a period of time (maximum of 99 minutes).



Usage

Power levels

The settings below are guidelines only, the exact setting you will require will depend on several factors, including your cookware and the amount you are cooking. Experiment with the hob to find the settings that best suit you.

Heat setting	Suitability
1-2	Delicate warming for small amounts of food
	Melting chocolate, butter, and foods that burn quickly
	Gentle simmering
	Slow warming
3-4	Reheating
	Rapid simmering
	Cooking rice
5-6	Pancakes
7-8	Sautéing
	Cooking pasta
9	Stir-frying
	Searing
	Bringing soup to the boil
	Boiling water

Usage

To use a cooking zone

Note:

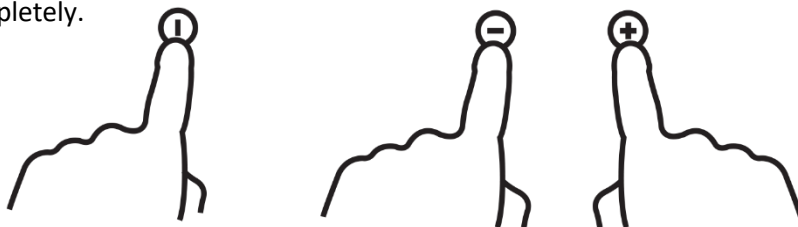
- When you touch a symbol, the respective function is activated.
- Always keep the controls dry. Moisture reduces their effectiveness.
- Do not pull pans close to the displays and sensors. The electronics could overheat.

Warnings:

- When it is first used, it is normal for the cooking zone to give off odours; this does not pose any risk and does not indicate a malfunction; they will disappear in time.
 - The kitchen will become hot and humid when this appliance is used. You must therefore ensure that the kitchen is well ventilated: either keep the natural ventilation apertures open, or install a ventilation system (extractor hood).
 - If using the appliance intensively for prolonged periods, you may require additional ventilation (e.g. by opening a window) or more effective ventilation (e.g. by increasing the hob's ventilation, if possible).
1. Turn on the appliance at the circuit, the appliance will beep and all indication lights will flash and then go out.
 2. Place a suitable pan on the zone you wish to use. Make sure the bottom of the pan and the surface of the pan support are clean and dry.
 3. Touch the power on/off control  , all indicators will display a '0' symbol.
 4. Set the power level of the required cooking zone by touching the zone indicator, followed by the  or  controls.

Usage

5. You can modify the power setting of a cooking zone at any time during cooking. Please note that if a power level is not selected within 1 minute of powering on the hob, the hob will automatically switch off. If this happens then you will need to start again from step 3.
6. To switch the cooking zone off, firstly touch the desired zone indicator, then scroll down the power levels until the '0' symbol is shown on the display, or touch the  and  controls at the same time until the '0' symbol is shown on the indicator or touch the power  control and turn the hob off completely.



7. The 'H' symbol will be shown on the indicator of the cooking zone controls that have just been used to show that there is residual heat on that cooking zone. The 'H' symbol will flash until the cooking zone has cooled down sufficiently. It can also be used as an energy saving function if you want to heat an additional pan or keep the contents of a pan warm, use the zone that is still hot.



Usage

Locking the controls

You can lock the controls to prevent unintended use (for example children accidentally turning the cooking zones on).

To lock the controls touch & hold the lock  control for 3 seconds, the timer indicator will show 'Lo'.

Note: When the controls are locked, all the controls except the Power on/off control are disabled. If the hob is turned off when the controls have been locked you will have to unlock the controls when the hob is powered on.

To unlock the controls touch and hold the  control for at least 3 seconds. All controls can now be unlocked and can be used.

The lock function can also be activated by briefly pressing the lock button, and 'Lo' will flash on the display for 30 seconds before unlocking.

Using the Timer

You can use the timer in two different ways:

1. As a minute minder - in this case, the timer will not turn any cooking zone off when the set time is up.
2. To turn one cooking zone off after the set time is up.

Note: You can set the timer for up to 99 minutes.

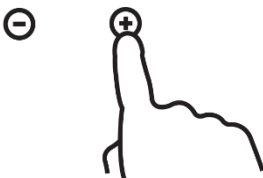
Using the Timer as a Minute Minder

The minute minder function can only be operated whilst the hob is in operation.

1. Touch the  timer button, the timer indicator will show '00'.

Usage

2. Set the time by touching the  or  control of the timer. By touching these controls the timer will increase or decrease by 1 minute but if you touch and hold these controls for 5 seconds and the timer will increase or decrease by 5 minutes. If the setting time exceeds 99 minutes, the timer will automatically return to 0 minute.



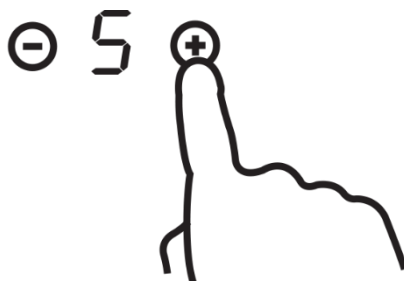
3. When the time is set, it will begin to count down immediately. The display will show the remaining time.
4. When the time has counted down the hob will beep for 30 seconds and the timer indicator will turn off. Please note if you want to change the time after the timer is set, you have to cancel the timer function and start from step 1.
5. If you want to cancel the timer at any point you can do this by touching the timer control  and then the '-' and '+' of the timer at the same time until '00' is displayed .

Usage

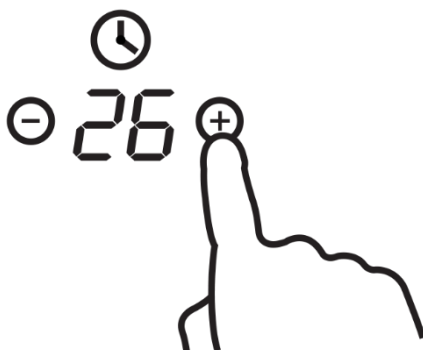
Setting the timer to turn one cooking zone off

Make sure the hob is turned on and that a suitable pan has been placed on the zone you wish to use. Make sure the bottom of the pan and the surface of the pan support are clean and dry.

1. Touch the zone indicator of the required cooking zone you want to set the timer for, then press the timer indicator 🕒.



2. Set the time by touching the '-' or '+' control of the timer. By touching these controls the timer will increase or decrease by 1 minute but if you touch and hold these controls the timer will increase or decrease by 5 minutes. If the setting time exceeds 99 minutes, the timer will automatically return to 0 minute.



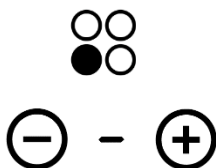
Usage

3. When the time is set, it will begin to count down immediately. The display will show the remaining time and the timer indicator will flash.

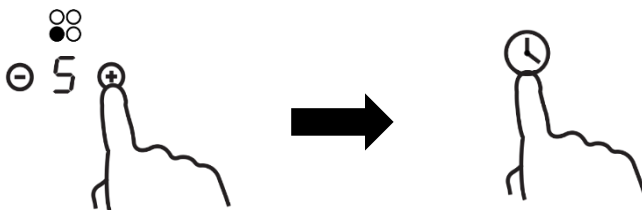


4. Please note that the red dot next to the timer indicator will illuminate indicating that zone is selected.

5. When cooking timer expires, the corresponding cooking zone will switch off automatically. Please note if you want to change the time after the timer is set, you have to cancel the timer function and start from step 1.



6. If you want to cancel the timer at any point you can do this by selecting the cooking zone the timer is set for and then touching the timer control then pressing the '-' and '+' buttons for the timer at the same time. The timer will be cancelled and the timer indicator will show '00'.



Usage

Residual heat warning

When the hob has been operated there will be some residual heat. The display of controls of which ever cooking zone has been used will show a 'H' symbol to warn you of the residual heat and to keep away from it.

The 'H' symbol will stay lit until the cooking zone has cooled down sufficiently.

Over heat protection

The hob is fitted with a temperature sensor which can monitor the temperature inside the ceramic hob. If an excessive temperature is detected then the hob will stop operation automatically and switch itself off.

Auto shutdown

Another safety feature of the hob is an auto shutdown, this occurs if you ever forget to switch off a cooking zone and certain time has passed. The shutdown times are shown in the table below:

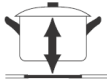
Power level	1	2	3	4	5	6	7	8	9
Default working timer (hour)	8	8	8	4	4	4	2	2	2

Usage

Pans & energy saving

The following advice is to prevent damage to pans and help you save energy:

Zones	Suitable pan sizes (diameter)
1200W (max)	165mm
1800W (max)	200mm

X		✓
Do not use small pans on large zones	 	Always use pans that are the right size for each zone
Do not cook without a lid or with the lid half off, as this wastes energy	 	Place a lid on pans
Do not use damaged pans, which do not sit evenly on the hob: pans may tip over.	  	Only use pans with a thick, flat bottom
Do not use large pans on zones near the controls, as they may be damaged by the high temperatures	 	Always place pans centrally over the burners not to one side
Do not slide, or they may scratch the glass	 	Always lift pans off the hob
Do not use excessive weight or strike the hob with heavy objects		Be careful when handling pans when they are on the hob or have just been taken away from the burner

Usage

Cooking recommendations:

The following advice is to help you get the best cooking performance/results:

Zone	Very high, High	Medium	Low
1800W (max)	Boiling, steaming, griddling, toasting, paellas, Asian food (wok).	Reheating and keeping things hot: cooked and pre-cooked dishes.	
	Escalopes, steaks, omelettes, frying.	Rice, white sauce and ragout.	Steaming: fish, vegetables.
1200W (max)	Steamed potatoes, fresh vegetables, stews, pasta, etc.	Reheating and keeping things hot: pre-cooked dishes and delicate casseroles.	
	Casseroles, rice pudding and caramels.	Defrosting and slow cooking: vegetables, fruits and frozen products.	Melting: butter, chocolate, gelatine

Cleaning and Maintenance:

Important notes:

- The appliance will become hot during operation, allow the appliance to cool down before cleaning.
- Do not use any high-pressure cleaners or steam cleaners.
- Wash new sponge cloths thoroughly before use.
- Follow all instructions and warnings included with the cleaning agents.

How to clean

Observe the information in the table below to ensure the surfaces is not damaged by using the wrong type of cleaning agent. Do not use:

- Harsh or abrasive cleaning agents,
- Cleaning agents with a high concentration of alcohol,
- Hard scouring pads or sponges,
- High-pressure cleaners or steam cleaners.

Surface type	How to clean
Glass	Glass cleaner: Clean with a soft cloth. Do not use a glass scraper.

Cleaning and Maintenance:

How to clean:

- After each use, clean the surface of each zone once they have cooled down. If any residue is left (baked-on food, drops of grease etc.), however little, it will become stuck to the surface and more difficult to remove later.
- Always clean off any liquid as soon as it is spilt: you will save yourself any unnecessary effort.
- Do not leave acidic liquids (e.g. lemon juice, vinegar, etc.) on the hob.
- Where possible, do not allow salt to come into contact with the surface of the electric hob.

Causes of damage:

- Rough pot and pan bases scratch the ceramic.
- Avoid boiling pots dry. This may cause damage.
- Sugar can cause the surface to blister if not removed immediately
- Never place hot pots or pans on the control panel, the display area or the surround. This may cause damage.
- Damage can occur if hard or pointed objects fall on the hob.
- Aluminium foil and plastic containers melt on hot hotplates.
- Oven protective foil is not suitable for your hob.
- Unsuitable cleaning agents can cause discolouration and/or stains.
- Spillages can cause discolouration if not removed/cleaned immediately.
- Dragging or scraping pans across the hob can cause discolouration, pans should be lifted when moving them

Trouble Shooting:

Problem	Solution
No power	The plug is not plugged in
	Connect the appliance to the electricity supply
	Power cut or faulty fuse Check whether other kitchen appliances are working or check in the fuse box to make sure that the fuse for the appliance is working
Controls aren't working	The child lock/control lock is operational
	Unlock the child lock/control lock
Scratches, discolouration or blistering	Sliding or dragging pans may scratch the glass
	Always lift pans off the hob
	Rough pot and pan bases scratch the ceramic
	Replace cookware
	Spillages can cause discolouration
	Remove/clean all spillages immediately
	Sugar can cause the surface to blister Remove/clean all spillages immediately
Cookware is damaged	Cookware can become deformed if boiled dry
	Never boil pans dry



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Error Codes:

Code	Error	Solution
E0	Zero Error	Reinsert the connection between the display board and the power board. Replace the power board.
E1	Ceramic plate temperature sensor failure – open circuit.	Check the connection or replace the ceramic plate temperature sensor.
E2	Ceramic plate temperature sensor failure - short circuit.	
E7	Ceramic plate temperature sensor failure	
C1	High temperature of ceramic plate sensor	Wait for the temperature of ceramic plate return to normal. Touch “ON/OFF” button to restart unit.
E3	Temperature sensor of the NTC failure - open circuit	Replace the display board.
E4	Temperature sensor of the NTC failure – short circuit	
EL	Supply voltage is below the rated voltage.	Please inspect whether power supply is normal. Power on after the power supply is normal.
EH	Supply voltage is above the rated voltage.	
EU	Communication error.	Reinsert the connection between the display board and the power board. Replace the power board or the display board.

Notes:



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Notes:



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Notes:



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Guarantee

This product is guaranteed for 12 months from the date of the original purchase. If any defect arises due to faulty materials or workmanship you must contact Product Care with the original proof of purchase so a replacement or refund can be arranged.

Refund or replacement is at the discretion of Product Care.

The following conditions apply:

- Product Care will require a valid proof of purchase at the point of replacement or refund.
- The product must be installed and used in accordance with the instructions contained in this instruction guide and any other instructions for use which has been supplied.
- It must be used for domestic purposes only and for its intended use.
- This guarantee does not cover wear and tear, damage, misuse or consumable parts.

This does not affect your statutory rights.

Region	Contact	Website
UK & Northern Ireland	0345 209 7461	mda.russellhobbs.com
Ireland	1 800 938982	ie.mda.russellhobbs.com
Rest of Europe	europe@productcaregroup.com	de.mda.russellhobbs.com fr.mda.russellhobbs.com es.mda.russellhobbs.com it.mda.russellhobbs.com nl.mda.russellhobbs.com

Technical Specification

Rated Voltage

220V – 240V ~ 50Hz

External Dimensions(HxWxD)

55mm x 590mm x 520mm

	Symbol Value Unit	Symbol Value Unit	Symbol Value Unit
Model identification		RH60EH413 B/MB / RH60EH414 B/MB	
Type of hob		Built-in hob	
Number of cooking zones and/or areas		4 zones	
Heating technology (induction cooking zones and cooking areas, radiant cooking zones, solid plates)		Radiant cooking zones	
For circular cooking zones or area: diameter of useful surface area per electric heated cooking zone, rounded to the nearest 5 mm	Ø	Zone 1 : 20.0 Zone 2 : 16.5 Zone 3 : 20.0 Zone 4 : 16.5	cm
For non-circular cooking zones or areas: length and width of useful surface area per electric heated cooking zone or area, rounded to the nearest 5 mm	L W	N/A	cm
Energy consumption per cooking zone or area calculated per kg	EC _{electric cooking}	Zone 1 : 175.0 Zone 2 : 175.9 Zone 3 : 174.4 Zone 4 : 187.9	Wh/kg
Energy consumption for the hob calculated per kg	EC _{electric hob}	178.3	Wh/kg

Power Consumption (Off Mode)	0.5W	The period after which the equipment reaches off mode	<20 mins
Power Consumption (Standby)	N/A	The period after which the equipment reaches standby mode	N/A
Power Consumption (Network Standby)	N/A	The period after which the equipment reaches networked standby	N/A

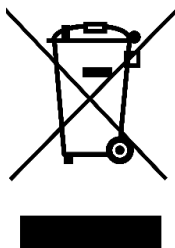


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Product Care (Ireland) Ltd, Unit 3D North Point House, North Point Business Park, New Mallow Road, Cork, T23 AT2P, Ireland. Russell Hobbs is the registered trademark of Spectrum Brands (UK) Ltd.

**UK
CA**



The 'wheellie bin' symbol is known as the 'Crossed-out wheellie bin Symbol'.

When this symbol is marked on a product/batteries, it means that the product/batteries should not be disposed of with your general household waste. Only discard electrical/electronic/battery items in separate collection schemes, which cater for the recovery and recycling of materials contained within. Your co-operation is vital to ensure the success of these schemes and for the protection of the environment. For your nearest disposal facility, visit www.recycle-more.co.uk or ask in store for details.

SEDEX – Connecting businesses and their global suppliers to share ethical data and enabling improvement in ethical performance. Visit www.sedex.org.uk for further information.

We reserve the right, due to possible changes to design, to alter the instruction manual without prior notice.

Revision 2.5