

# **DE'LONGHI** **COOKING**

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**INSTALLATION and SERVICE INSTRUCTIONS**  
**USE and CARE INSTRUCTIONS**

**DEH60S**  
**DEH60SX1**  
**DEH60W**  
**ELECTRIC COOKTOPS**

distributed by  
**DeLonghi Australia Pty Ltd**  
**DeLonghi New Zealand Ltd**



## **Dear Customer,**

*Thank you for having purchased and given your preference to our product.*

*The safety precautions and recommendations reported below are for your own safety and that of others. They will also provide a means by which to make full use of the features offered by your appliance.*

*Please keep this booklet in a safe place. It may be useful in future, either to yourself or to others in the event that doubts should arise relating to its operation.*

***This appliance must be used only for the task it has explicitly been designed for, that is for cooking foodstuffs. Any other form of usage is to be considered as inappropriate and therefore dangerous.***

***The manufacturer declines all responsibility in the event of damage caused by improper, incorrect or illogical use of the appliance or by faulty installation.***

This appliance has been designed and constructed in accordance with the following codes and specifications:

AS/NZS 60335.1	General Requirements for Domestic electrical appliances
AS/NZS 60335.2.6	Particular Requirements for Domestic electrical cooking appliances
AS/NZS CISPR 14.1	Electromagnetic Compatibility Requirements.

## **PRODUCT LABEL**



## IMPORTANT SAFETY PRECAUTIONS AND RECOMMENDATIONS

**IMPORTANT:** This appliance is designed and manufactured solely for the cooking of domestic (household) food and is not suitable for any non domestic application and therefore should not be used in a commercial environment.

The appliance guarantee will be void if the appliance is used within a non domestic environment i.e. a semi commercial, commercial or communal environment.

**Read the instructions carefully before installing and using the appliance.**

- After having unpacked the appliance, check to ensure that it is not damaged.  
In case of doubt, do not use it and consult your supplier or a professionally qualified technician.
- Packing elements (i.e. plastic bags, polystyrene foam, nails, packing straps, etc.) should not be left around within easy reach of children, as these may cause serious injuries.
- Some appliances are supplied with a protective film on steel and aluminium parts. **This film must be removed before using the appliance.**
- **IMPORTANT:** The use of suitable protective clothing/gloves is recommended when handling or cleaning this appliance.
- Do not attempt to modify the technical characteristics of the appliance as this may become dangerous to use. The manufacturer declines all responsibility for any inconvenience resulting from the inobservance of this condition.
- Do not operate your appliance by means of an external timer or separate remote-control system.
- Do not carry out cleaning or maintenance operations on the appliance without having previously disconnected it from the electric power supply.
- Do not use a steam cleaner because the moisture can get into the appliance thus make it unsafe.

- Do not touch the appliance with wet or damp hands (or feet).
- Do not use the appliance whilst in barefoot.
- If you should decide not to use this appliance any longer (or decide to substitute another model), before disposing of it, it is recommended that it be made inoperative in an appropriate manner in accordance to health and environmental protection regulations, ensuring in particular that all potentially hazardous parts be made harmless, especially in relation to children who could play with unused appliances.
- The various components of the appliance are recyclable. Dispose of them in accordance with the regulations in force in your country. If the appliance is to be scrapped, remove the power cord.
- After use, ensure that the knobs are in the off position.
- Children less than 8 years of age shall be kept away unless continuously supervised.
- 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.
- The manufacturer declines all liability for injury to persons or damage to property caused by incorrect or improper use of the appliance.
- **WARNING:** During use the appliance and its accessible parts become hot; they remain hot for some time after use.
  - Care should be taken to avoid touching heating elements on the hob.
  - To avoid burns and scalds, young children should be kept away.
- Make sure that electrical cables connecting other appliances in the proximity of the cooktop cannot come into contact with the hob.

- **WARNING:** Unattended cooking on a hob with fat or oil can be dangerous and may result in fire. NEVER try to extinguish a fire with water, but switch off the appliance and then cover flame e.g. with a lid or a fire blanket.
- **WARNING:** Danger of fire: do not store items on the cooking surfaces.
- **WARNING:** If the hob is cracked or otherwise damaged by falling objects etc., disconnect the appliance from the electrical power supply to avoid the possibility of electric shock and call Customer Service.
- **WARNING:** When correctly installed, your product meets all safety requirements laid down for this type of product category. However special care should be taken around the underneath of the appliance as this area is not designed or intended to be touched and may contain sharp or rough edges, that may cause injury.

# INSTALLATION

## CAUTION:

- This appliance must be installed in accordance with these installation instructions.
- This appliance shall only be serviced by authorised personnel.
- This appliance is to be installed only by an authorised person in compliance with the current electrical regulations and in observation of the instructions supplied by the manufacturer.  
Failure to comply with this condition will render the guarantee invalid.
- Incorrect installation, for which the manufacturer accepts no responsibility, may cause personal injury or damage.
- Always disconnect the appliance from mains power supply before carrying out any maintenance operations or repairs.

## WARNING:

- This appliance is to be installed only by an authorised person.
- This appliance must be used only for the task it has explicitly been designed for, that is for cooking foodstuffs. Any other form of usage is to be considered as inappropriate and therefore dangerous.
- Do NOT place combustible materials or products on this appliance at any time.
- Do NOT spray aerosols in the vicinity of this appliance while it is in use.
- **IMPORTANT NOTE: This appliance shall not be used as a space heater, especially if installed in marine craft or caravans.**
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure they do not play with the appliance without supervision.
- We would point out that the adhesive which bonds the plastic laminate to the furniture must withstand temperatures not less than 150° C to avoid delamination.
- The walls of the units must be capable of resisting temperatures of 75 °C above room temperature.
- Do not seal the cooktop into the benchtop with silicone or glue; this makes future servicing difficult. Delonghi will not cover the costs of removing the cooktop, or of damage caused by this removal.
- The walls surrounding the cooktop must be made of heat-resistant material.
- Do not install the appliance near inflammable materials (eg. curtains).

## WARNING

When correctly installed, your product meets all safety requirements laid down for this type of product category. However special care should be taken around the underneath of the appliance as this area is not designed or intended to be touched and may contain sharp or rough edges, that may cause injury.

**TECHNICAL INFORMATION:**

Rapid plate	Ø 145	1500 W
Rapid plate	Ø 180	2000 W
Normal plate	Ø 180	1500 W
Normal plate	Ø 145	1000 W
Voltage	230 - 240 VAC 50 Hz	
Maximum absorbed power	6.0 - 6.5 kW	

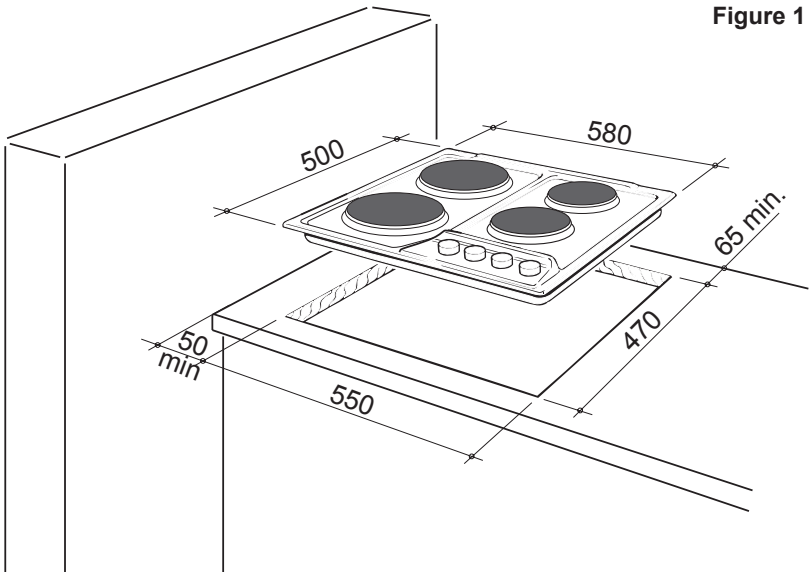
**DIMENSIONS (Table 2):**

(Note: Also refer to Figure 1 side)

General Dimensions	
Width	580 mm
Depth	500 mm
Depth Below Mounting Surface	30 mm
Cut-out Dimensions	
Width	550 mm
Depth	470 mm

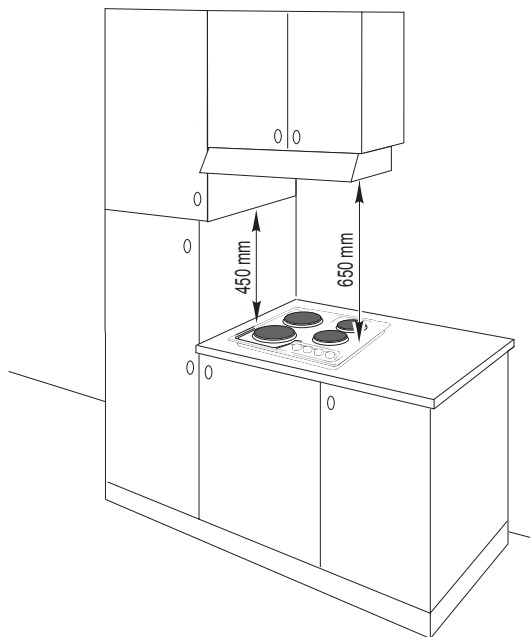
**CLEARANCES:**

Installation clearances and protection of combustible surfaces shall comply with page 9.



**Figure 1**

**Figure 2**



The installation shall comply with the dimensions in Figures 1 and 2, bearing in mind that:

- **A minimum clearance of 30 mm** has to be kept between the bottom of the cooking hob and the top of an appliance or a thermal barrier (see next page).
- **Overhead clearances** - In no case shall the clearance between the highest part of the hob and a range hood be less than 600 mm.  
Any other downward facing combustible surface less than 600 mm above the highest part of the hob shall be protected for the full width and depth of the cooking surface area. However, in no case shall this clearance to any surface be less than 450 mm.
- **Side clearances** - Where the dimension from the periphery of the nearest burner to any vertical combustible surface is less than 200 mm, the surface shall be protected to a height of not less than 150 mm above the hob for the full dimension (width or depth) of the cooking surface area.
- **Protection of combustible surfaces** - The required protection shall ensure that the surface temperature of the combustible surface does not exceed 50 °C above ambient.  
The fixing of 5 mm thick ceramic tiles to the surface or attaching fire resistant material to the surface and covering with sheet metal with minimum thickness of 0.4 mm would satisfy this requirement.

**Caution:**

The underside surface of the cooking hob can reach a temperature exceeding 95 °C during normal use.

If after installation the underside surface is accessible through underbench cupboard doors and the like, it is essential that a rigid barrier is installed so that such access is restricted. In order to avoid a hazard the barrier must be of low thermal conductivity material installed according to the instructions for installation.



## THERMAL BARRIER INSTALLATION:

### Warning:

- If the hob is installed over drawers or cupboards, a thermal protection barrier must be fitted at least 30 mm beneath the base of the hob (see Figure 3).

### Note:

1. Above not applicable if hob is mounted directly above an oven
2. For access to the hob for servicing or installation, ensure that the barrier can be removed from beneath by the use of a tool.
3. A gap of 20 mm may be allowed at rear for electrical connection and ventilation.

### THERMAL PROTECTION BARRIER

(min. 15 mm thick)

Fitted the full lengths of the hob below the workbench and must be removable with the use of a tool for installation and service.

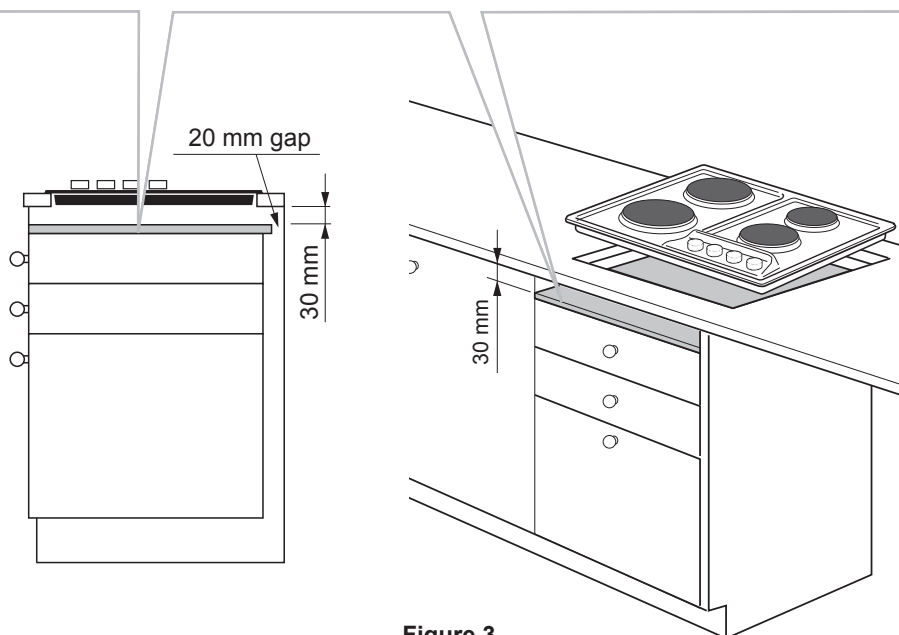


Figure 3

## FASTENING THE COOKTOP (fig. 4)

Each cooktop is provided with an installation kit including brackets and screws for fastening the top to fixture panels from 2 to 4 cm thick.

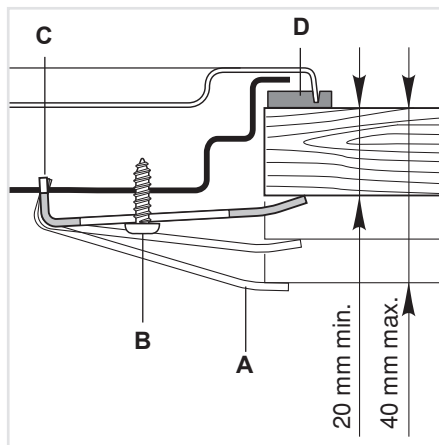
- Cut the unit.
- Stretch gasket "D" over the edge of the hole made, being careful to overlay the junction edges. Turn the cooktop over and put tabs "A" into the mountings, only tighten screws "B" a few turns.

Make sure that the tabs are mounted correctly as shown in the figure 4.

Turn the tabs so that the cooktop can be put into the hole.

- Put the cooktop into the hole cut into the unit and position it correctly.
- Put tabs "A" into place, tooth "C" of the tabs should go into the hole.
- Tighten screws "B" until the cooktop is completely secured.
- Using a sharp tool cut off the part of gasket "D" which protrudes from the cooktop. Take care not to damage the benchtop.

Figure 4



## ELECTRICAL REQUIREMENTS

- The appliance must be connected to the mains checking that the voltage corresponds to the value given in the rating plate and that the electrical cable sections can withstand the load specified on the plate.
- A suitable isolating switch providing full disconnection from the mains power supply shall be incorporated in the permanent wiring, mounted and positioned to comply with the local wiring rules and regulations. The isolating switch must be of an approved type and provide a 3 mm air gap contact separation in all poles (or in all active [phase] conductors if the local wiring rules allow for this variation of the requirements).
- The isolating switch shall be easily accessible to the customer with the cooktop installed.
- The power supply cable must not touch the hot parts and must be positioned so that it does not exceed 65°C above ambient.
- To connect the appliance to the mains electricity supply, do not use adapters, reducers or branching devices as they can cause overheating and burning.

### **N.B. The connection of the appliance to earth is mandatory.**

If the installation requires alterations to the domestic electrical system call a qualified electrician. He should also check that the domestic electrical system is suitable for the power drawn by the appliance.

**Replacing the power cord (not supplied with the appliance) must be done by a qualified electrician in accordance with the instructions supplied by the manufacturer and in compliance with established electrical regulations.**

## ELECTRICAL CONNECTION

To connect the feeder cable to the hob it is necessary to carry out the following operations:

- Unlock the 2 clips “B” and open the cover “C”.
- Unscrew the screw “D” and open completely the cable clamp “E” (fig. 7).
- Position the U bolts “F” onto terminal board “G” (fig. 7) according to the diagrams in fig. 6.
- Connect the phase and earth wires to terminal board “G” according to the diagrams in fig. 6.
- Strain the feeder cable and block it with cable clamp “E” (by screwing screw “D”).
- Close the cover “C” of the terminal board “G” and block it .

### **Important!**

**To connect the power supply cable DO NOT unscrew the screws fixing the cover plate “A” behind the terminal block.**

## VOLTAGE AND POWER CONSUMPTION

**Mod. DEH60S - DEH60SX1 - DEH60W**

230-240 V    50 Hz    6000-6500 W    26.08-27.08A    (diversity not applied)

## FEEDER SPECIAL CABLE SECTION

**“Type H05V2V2-F (resistance to temperatures of 90°C)**

230-240 V ~ 3 x 2.5 mm<sup>2</sup> (\*\*)

(\*\*) Connection with wall box connection.

- Diversity factor applied
- A diversity factor may be applied to the total loading of the appliance only by a suitably qualified person.

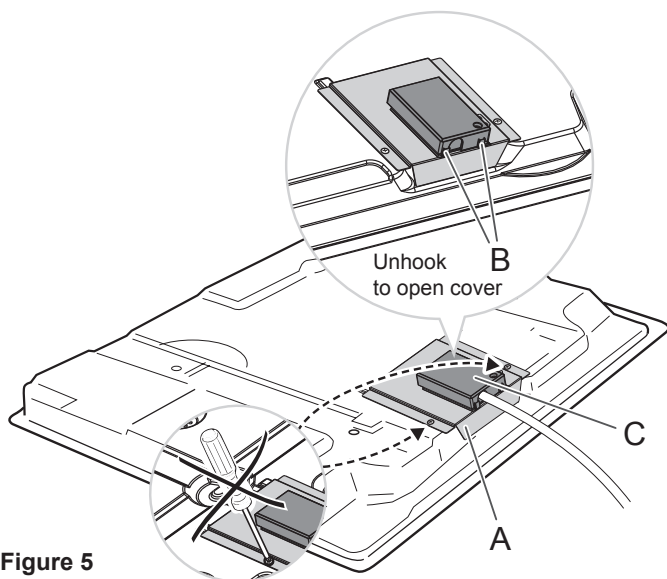


Figure 5

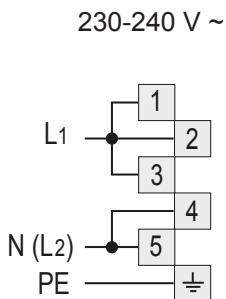


Figure 6

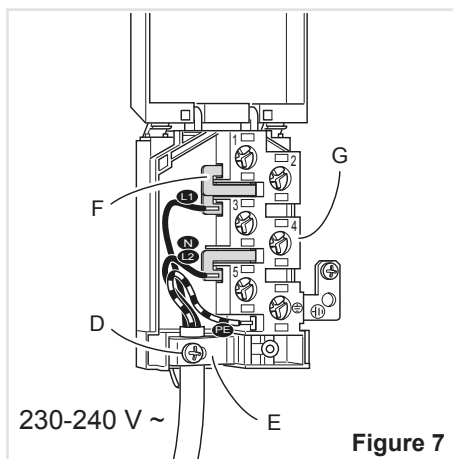
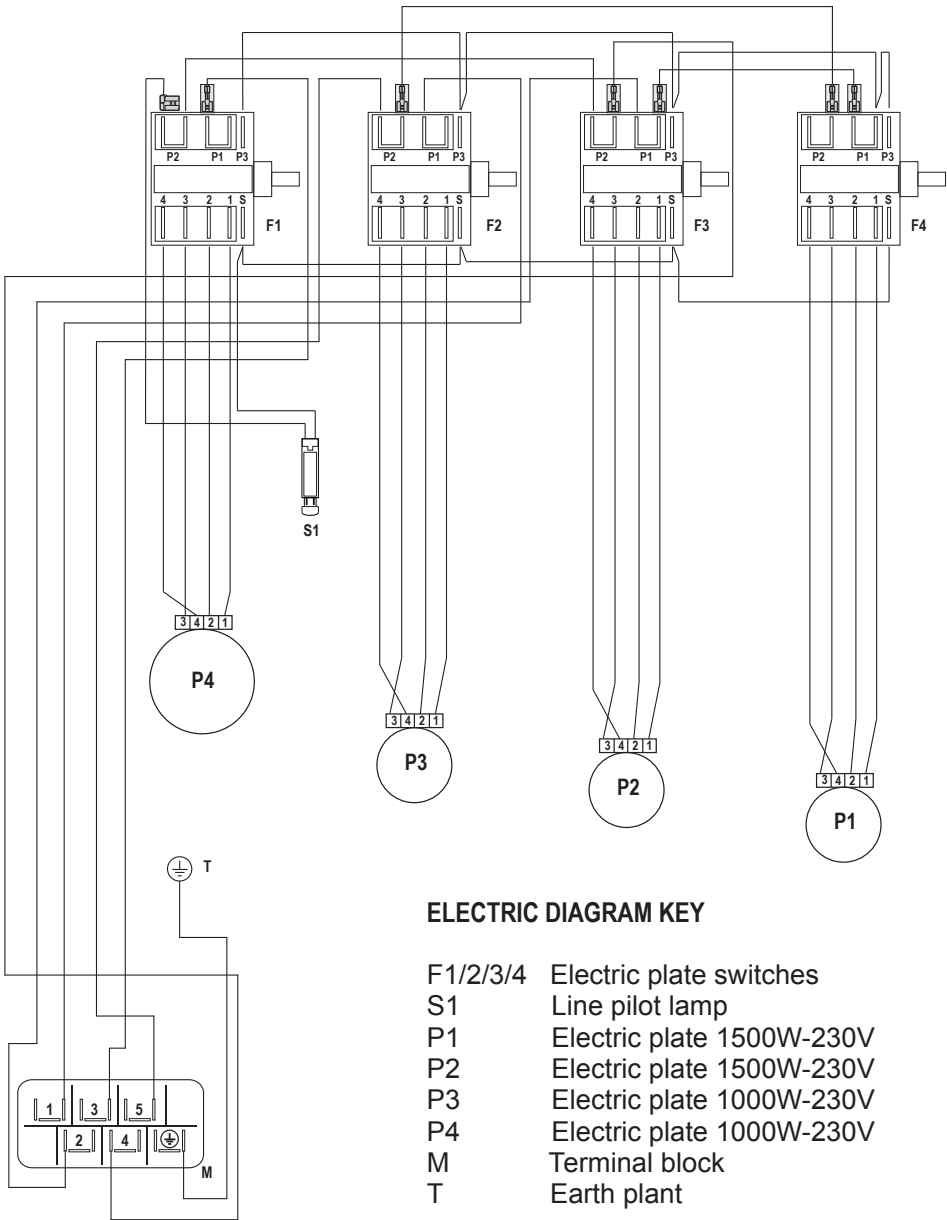


Figure 7

ELECTRIC DIAGRAM

Figure 8



# USE AND CARE

## CAUTION:

- This appliance must be used only for the task it has explicitly been designed for, that is for cooking foodstuffs. Any other form of usage is to be considered as inappropriate and therefore dangerous.
- Do NOT place combustible materials or products on this appliance at any time.
- Do NOT spray aerosols in the vicinity of this appliance while it is in use.
- **The appliance is not intended for use by young children or infirm persons without supervision.**
- **Young children should be supervised to ensure they do not play with the appliance without supervision.**

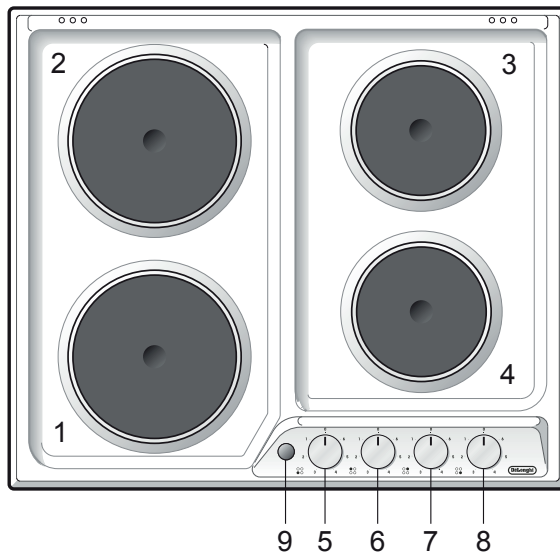


Figure 9

## POSITION OF ELECTRIC PLATES

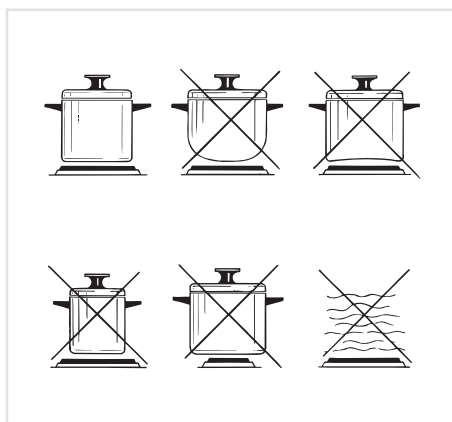
1. Front left electric plate Ø 180 - Rapid - 2000 W
2. Rear left electric plate Ø 180 - Normal - 1500 W
3. Rear right electric plate Ø 145 - Normal - 1000 W
4. Front right electric plate Ø 145 - Rapid - 1500 W

## CONTROL PANEL

5. Front left electric plate 1 control knob
6. Rear left electric plate 2 control knob
7. Rear right electric plate 3 control knob
8. Front right electric plate 4 control knob
9. Electrical plates control lamp

- **Important:** Before using the hob for the first time, it is necessary to burn off the appliance to dry off the plates and remove any protective coatings that may still be on the plates. To do this, boil a saucepan of water on each plate for about 10 minutes. There may be a strong odour and a light smoke visible during this process. This will cease when the process is complete.
1. Make sure that all the controls are turned to zero.
  2. Switch on the electricity.
  3. Turn the knob for the ring you require. The element will become hotter as you select a higher number. A little practice will help you to estimate the setting required for different purposes.
  4. Always use a flat bottomed saucepan which has a base as similar to the diameter of the hotplate as possible. Ensure that the bottom of the pan you are using is dry.
  5. Never switch the hotplate on without any saucepans on top. This will cause heat to travel along the spillage tray causing the control panel to heat up and may also cause subsequent damage to adjacent worktops.

**Figure 10**



- **Never cook food directly on the hotplate: always use a pan or suitable container.**

## COOKING HINTS:

- Be careful not to place any wet or steamed up lids on an unused hotplate, as this will lead to rust.
- Pans should have a thick flat base to be effective. Check the base of the pan with a ruler. It should be either the same size or slightly larger than the hotplate.
- The plates with a red dot in the middle heat up 30% faster than those without.
- Do not use decorative covers over the hotplates as these hold condensation and could be dangerous if the hob was accidentally turned on.
- Using pans with tight fitting lids when cooking reduces cooking time and saves energy.
- Turn the heat off a short time before you finish cooking and the residual heat from the hotplate will finish the cooking for you.
- Never have handles overhanging the worktop - they can easily be caught and overbalance; similarly, never have the handles overlapping other hotplates that are in use.
- It is always worthwhile buying good saucepans for the best results from your hob.

## Warning:

- HOBES BECOME VERY HOT WITH USE, AND RETAIN THEIR HEAT FOR A LONG TIME AFTER COOKING HAS FINISHED. CHILDREN SHOULD BE SUPERVISED AT ALL TIMES AND BE PREVENTED FROM TOUCHING THE HOT SURFACES UNTIL SUCH TIME AS THE APPLIANCE HAS COOLED.

The table below shows recommended heat settings for cooking different types of food with your electric hob:

HEAT POSITION	DESCRIPTION	RECOMMENDED COOKING
1	Very Gentle	To keep food warm
2	Gentle	Stews, cream sauce
3	Slow	Frozen food, boiling water
4	Medium	Boiling potatoes, soup, vegetables, fish
5	High	Large stews, omelettes
6	Fast	Steaks, escalops, frying

- Please note that these are only guidelines, you will quickly learn from experience which setting is correct for your needs.

## ECONOMIC COOKING

- The electric plate retains heat, so you may find that you can switch off the heat 5 minutes before you finish cooking.
- To reduce the cooking time, the plate can be set to the maximum setting at the beginning. It can then be reduced later.



# CLEANING AND MAINTENANCE

## GENERAL ADVICE

- **Before you begin cleaning, you must ensure that the appliance is switched off and disconnected from the electrical power supply.**
- It is advisable to clean when the appliance is cold.
- Avoid leaving alkaline or acidic substances (lemon juice, vinegar, etc.) on the surfaces.
- Avoid using cleaning products with a chlorine or acidic base.
- **Do not use a steam cleaner because the moisture can get into the appliance thus make it unsafe.**
- Deposits of fat on the electric hotplates can be removed by turning on the hob for a few seconds. The fat will dry out, and can be brushed off when the plate is cool. If staining remains, special cleaners for electric plates can be purchased to return the plate to its original colour
- Electric hotplates are made of cast iron and though durable, will rust if moisture is left on them regularly. Do not place wet lids from other pans onto an unused hotplate. From time to time, apply a thin coat of special hob cleaner.
- **Important: The use of suitable protective clothing/gloves is recommended when handling or cleaning of this appliance.**

## Enamelled parts - mod. DEH60W

- All the enamelled parts must be washed only with a sponge with soapy water or other non-abrasive products.
- Dry carefully.

## Stainless steel hob - mod. DEH60S, DEH60SX1

- Clean with special products which are available on the market.
- Dry preferably with a microfibre or soft cloth.

## WARNING!

**When correctly installed, your product meets all safety requirements laid down for this type of product category. However special care should be taken around the underneath of the appliance as this area is not designed or intended to be touched and may contain sharp or rough edges, that may cause injury.**

# SERVICE AND MAINTENANCE

## **Servicing the appliance:**

Service may be obtained by contacting our Customer Service Centre to locate the nearest Authorised Delonghi Service Agent:

**Servicing shall be carried out only by authorized personnel.**

**The appliance shall not be modified.**

## **TROUBLESHOOTING**

If you acquire a problem with your hob, check the following points before calling an engineer.

1. The power is switched on.
2. The controls are switched on.
3. Both the fuse and the mains fuse are intact.

Should you still require assistance please contact our Customer Service Centre for your nearest Authorised Delonghi Service Agent.



Descriptions and illustrations in this booklet are given as simply indicative.  
The manufacturer reserves the right, considering the characteristics of the models described here, at any time and without notice, to make eventual necessary modifications for their construction or for commercial needs.

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