



## SHARP KH-6I45FT00-EU Built-in Induction Hob User Manual

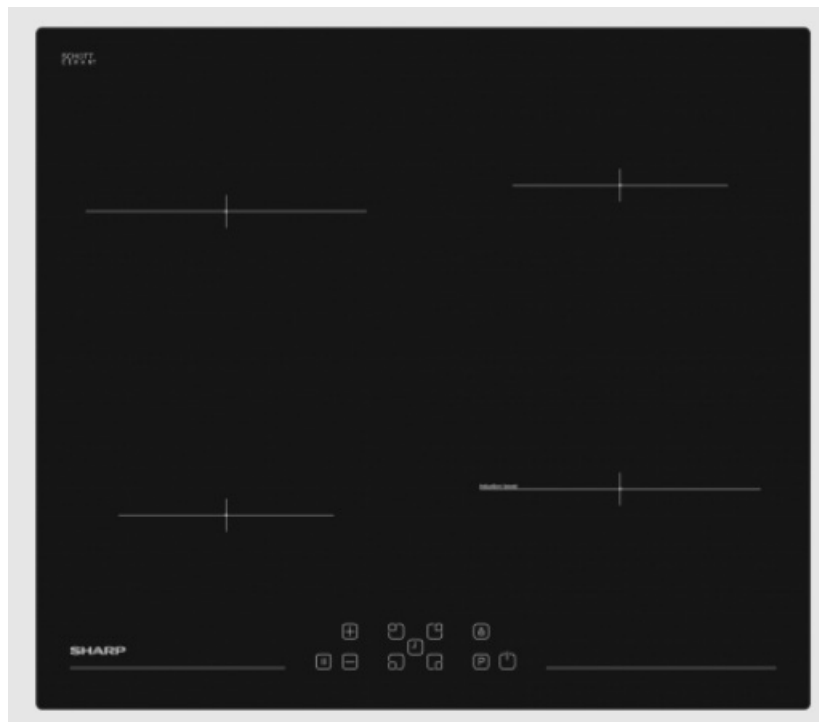
[Home](#) » [Sharp](#) » SHARP KH-6I45FT00-EU Built-in Induction Hob User Manual 

### Contents

- [1 SHARP KH-6I45FT00-EU Built-in Induction Hob](#)
- [2 Declaration of conformity](#)
- [3 SAFETY WARNINGS](#)
- [4 Installation Warnings](#)
- [5 DESCRIPTION OF THE HOB](#)
- [6 OPERATION OF THE APPLIANCE](#)
- [7 INSTALLATION OF THE APPLIANCE](#)
- [8 Making an electrical connection](#)
- [9 ERROR CODES](#)
- [10 Documents / Resources](#)
  - [10.1 References](#)
- [11 Related Posts](#)

# SHARP

**SHARP KH-6I45FT00-EU Built-in Induction Hob**



## Declaration of conformity

We declare that our products meet the applicable European Directives, Decisions, and Regulations and the requirements listed in the standards referenced. The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling this product, please contact your local city offices, your household waste disposal service, or the shop where you purchased the product.

## SAFETY WARNINGS

READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE USING YOUR APPLIANCE, AND KEEP THEM IN A CONVENIENT PLACE FOR REFERENCE WHEN NECESSARY. THIS MANUAL IS PREPARED FOR MORE THAN ONE MODEL YOUR APPLIANCE MAY NOT HAVE SOME OF THE FEATURES THAT ARE EXPLAINED IN THIS MANUAL. WHILE YOU ARE READING THE OPERATING MANUAL, PAY A SPECIAL ATTENTION TO THE EXPRESSIONS THAT HAVE IMAGES.

### General Safety Warnings

- 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 the use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance shall not be done by children without supervision.
- **WARNING:** The appliance and its accessible parts become hot during use. Care should be taken to avoid touching the heating elements. Children under the age of 8 should stand away from the appliance unless continuously supervised.
- **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. Switch off the appliance and cover the 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 surface is cracked, switch the appliance off to avoid the possibility of electric shock.
- For induction hobs, metallic objects such as knives, forks, spoons and lids should not be placed on the hob surface since they can become hot.
- For induction hobs, after use, switch off the hob element by using its control and do not rely on the pan detector.
- For hobs incorporating a lid, any spillage should be removed from the lid before opening. Additionally, the hob surface should be allowed to cool before closing the lid.
- The appliance is not intended to be operated by means of an external timer or separate remote-control system.
- Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass and other surface since they can scratch the surface, which can cause the glass to shatter or cause damage to the surface.
- Do not use steam cleaners to clean the appliance.
- Your appliance is produced in accordance with all applicable local and international standards and regulations.
- Maintenance and repair work must be carried out only by authorized service technicians. Installation and repair work that is carried out by unauthorized technicians may endanger you. Altering or modifying the specifications of the appliance in any way is hazardous.
- Prior to installation, ensure that the local distribution conditions (nature of the gas and gas pressure or electricity voltage and frequency) and the requirements of the appliance are compatible. The requirements for this appliance are stated on the label.
- **CAUTION:** This appliance is designed only for cooking food and is intended for indoor domestic household use only and should not be used for any other purpose or in any other application, such as for non-domestic use or in a commercial environment or room heating.
- All possible security measures have been taken to ensure your safety. Since the glass may break, you should be careful while cleaning it to avoid scratching. Avoid hitting or knocking on the glass with accessories.
- Ensure that the supply cord is not wedged during the installation. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to prevent a hazard.

## Installation Warnings

- Do not operate the appliance before it is fully installed.
- The appliance must be installed by an authorized technician and put into use. The manufacturer is not responsible for any damage that might be caused by defective placement and installation by unauthorized persons.
- When you unpack the appliance, make sure that it was not damaged during transportation. In the event of any defect; do not use the appliance and contact a qualified service agent immediately. As the materials used for packaging (nylon, staplers, styrofoam... etc.) may cause harmful effects to children, they should be collected and disposed of immediately.
- Protect your appliance against atmospheric effects. Do not expose it to effects such as sun, rain, snow etc.
- The surrounding materials of the appliance (cabinet) must be able to withstand a temperature of a min. of 100°C. The temperature of the bottom surface of the hob may increase during operation. Therefore, a board must be installed underneath the product.

## During use

- Do not put flammable or combustible materials, in or near the appliance when it is in operation.
- Do not leave the cooker while cooking with solid or liquid oils. They may catch fire as a result of extreme heating. Never pour water on to flames that are caused by oil. Cover the saucepan or frying pan with its cover to choke the flame that has arisen in this case and turn the cooker off.
- Always position pans over the centre of the cooking zone, and turn the handles to a safe position so they cannot be knocked or grabbed.
- If you are not going to use the appliance for a long time, remove the plug from the socket. Keep the main control switched off. Additionally, when not using the appliance, shut the gas valve off.
- Make sure the appliance control knobs are always in the “0” (stop) position when it is not being used.

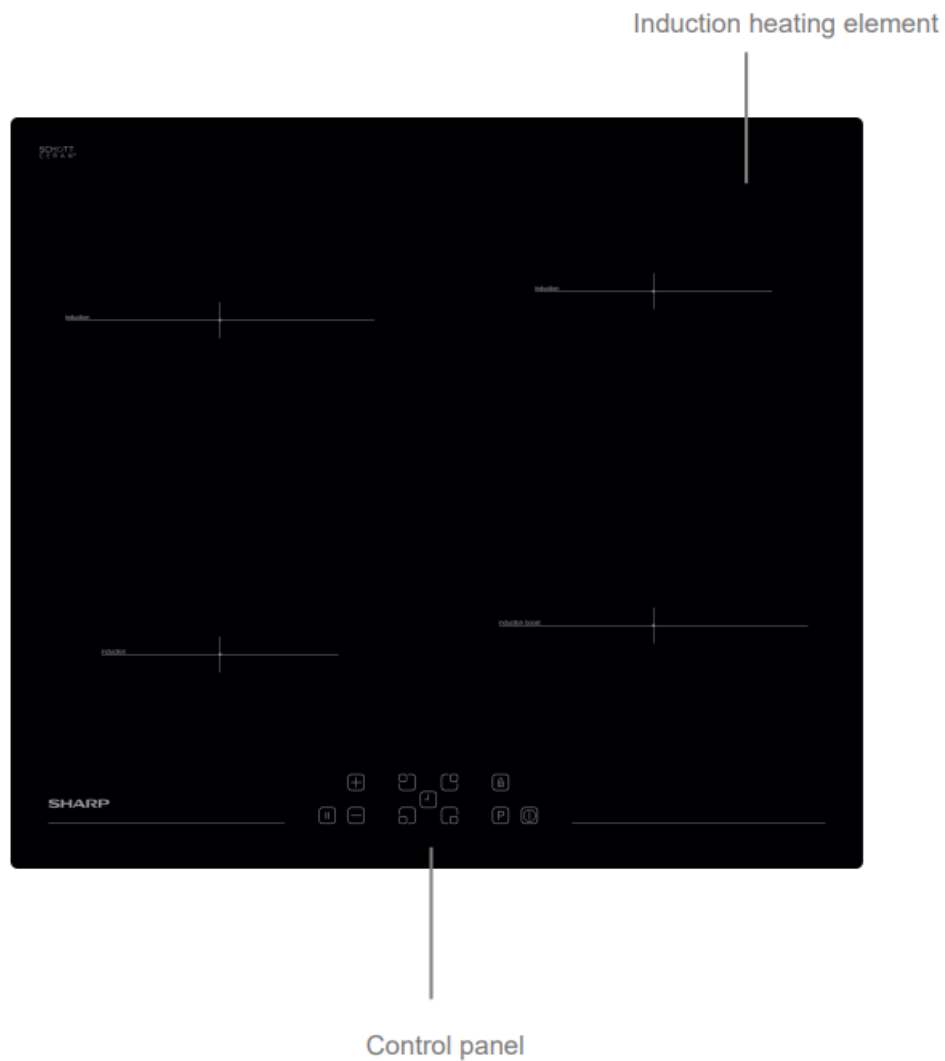
### **During cleaning and maintenance**

- Always turn the appliance off before operations such as cleaning or maintenance. You can do it after removing the plug for the appliance off or turning the main switches off.
- Do not remove the control knobs to clean the control panel.
- TO MAINTAIN THE EFFICIENCY AND SAFETY OF YOUR APPLIANCE, WE RECOMMEND YOU ALWAYS USE ORIGINAL SPARE PARTS AND ONLY CALL OUR AUTHORIZED SERVICE AGENTS SHOULD SUCH A NEED ARISE

### **DESCRIPTION OF THE HOB**

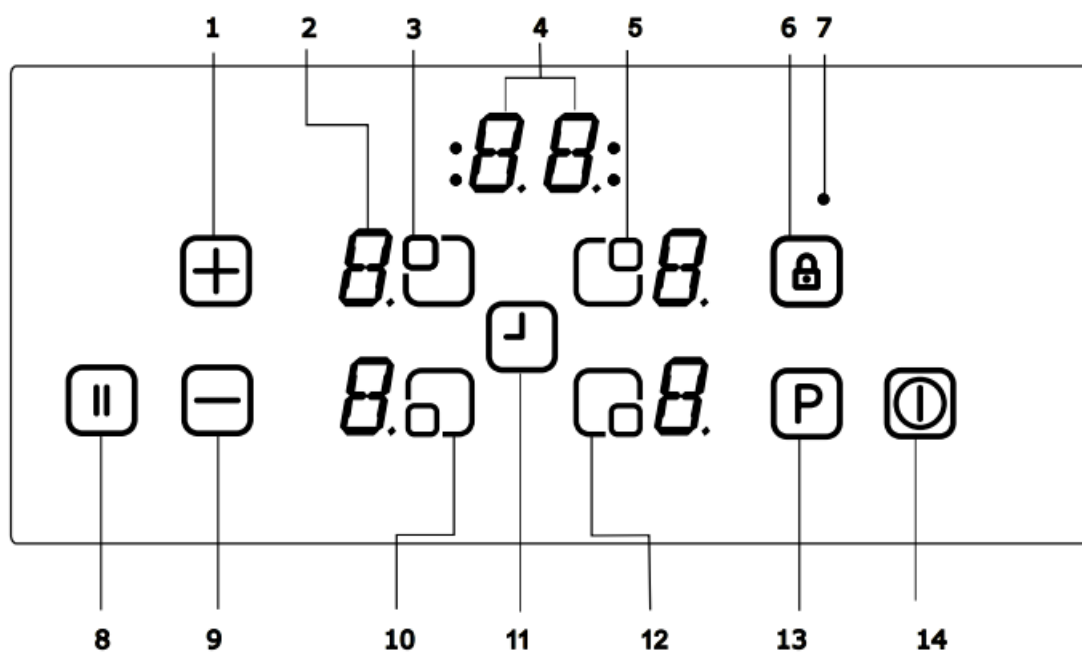
**Dear Customer,** Please read the instructions in this user guide before using the hob and keep them for future reference.

### **Cooking Surface for 4 heaters**



**Note:** The appearance of your hob maybe different than the model shown above due to its configuration.

#### Control Panel for 4 heaters:



1. **Increase heat setting/timer**
2. **Heater display**
3. **Upper left heater selection**
4. **Timer display**
5. **Upper right heater selection**
6. **Key lock**
7. **Key lock indicator**
8. **Smart Pause**
9. **Decrease heat setting/timer**
10. **Lower left heater selection**
11. **Timer**
12. **Lower right heater selection**
13. **Boost**
14. **On/Off**

## **OPERATION OF THE APPLIANCE**

Use the induction cooking zones with suitable cookware. After the power supply is turned on, all of the displays light up for a moment. When this time is over, the hob goes into standby mode and is ready for operation. The hob is controlled with electronic sensors which are operated by touching the related sensors. Each sensor activation is followed by a sound signal (buzzer).

### **Switching the appliance on:**

Switch the hob on by pressing the ON/ OFF key All heater displays show a static "0" and the bottom right dots blink. (If no cooking zone is selected within 20 seconds, the hob will automatically turn off.)

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### **Switching the appliance off:**

Switch the hob off at any time by pressing . The ON/OFF key always has priority in the switch-off function.

### **Switching the cooking zones on:**

Press the heater selection key you wish to cook on. There is a static dot indication on the selected heater display and the blinking dot on all other displays switch off. Select the temperature setting by using the increase heat setting key or decrease the heat setting key The element is now ready to cook on. For the quickest boil times, select the desired cooking level and then press the P key to activate the Boost function.

### **Switching the cooking zones off:**

Select the element you want to switch off by pressing the related increase heat setting key . Using the key, turn the temperature down to "0". (Additionally, using the and keys simultaneously turns the temperature to "0") If the cooking zone is hot, "H" will be displayed instead of "0".

### **Switching all the cooking zones off:**

To turn all the cooking zones off at once, press the key. In standby mode, an “H” appears on all cooking zones which are hot.

#### **Residual heat indicator:**

The residual heat indicator indicates that the ceramic glass has a dangerous touch temperature in the circumference of the cooking zone. After switching off the cooking zone, the respective display shows an “H” until the assigned cooking zone temperature is at an uncritical level.

#### **Safety switch-off function:**

Every cooking zone will be switched off after a defined maximum operation time if the heat setting is not modified. Every change in the cooking zone puts the maximum operation time back to the initial value of the operating time limitation. The maximum operation time depends on the selected temperature level. Wait until ‘F’ disappears for all zones, turn the hob on by touching and continue to use.

Heat setting	Safety switch-off after
1 – 2	6 Hours
3 – 4	5 Hours
5	4 Hours
6 – 9	1,5 Hours

#### **Child Lock:**

The child lock function can be activated after switching the control on. To activate the child lock, simultaneously operate the front increase heat setting key and the decrease heat setting key and then operate the increased heat setting key again. “L” meaning LOCKED will appear in all heater displays and the control can not be changed. (If a cooking zone is in the hot condition, “L” and “H” will be displayed in alternation.) The hob will remain in a locked condition until it gets unlocked, even if the control has been switched on and off. To deactivate the child lock, first, switch the hob on. Simultaneously operate the front increase heat setting key and the decrease heat setting key and then operate the decrease heat setting key again. “L” will disappear in the display and the hob will be switched off

#### **Key Lock:**

Key lock functionality is for blocking and setting the appliance into safe mode during operation. Touch modifications as, for example, increasing heat settings and others should not be possible. Only switching the appliance off is possible. The lock function becomes active if the Key Lock button is pressed for at least 2 seconds. This operation is acknowledged by a buzzer. After a successful operation of more than 2 seconds, the Key Lock Indicator flashes and the heater becomes locked.

#### **Timer function:**

The timer function is carried out in two versions:

- **Minute minder timer (1 to 99 minutes):**

The minute minder timer can be operated if the cooking zones are switched off. The timer display displays “00” with a blinking dot. Press the timer setting key to increase the time or press it to decrease the time. The adjustment range is between 0 and 99 minutes. If there is no operation in 10 seconds, the minute minder timer will be set and the blinking dot will disappear. After the timer is set, the time runs down according to the adjustment. When the time is over, a signal sounds and the timer display blinks. The sound signal will be stopped automatically after 30 seconds and/or by operating any key. The minute minder timer can be changed or switched off anytime by operating the increase timer key and/or decrease timer key. Switching off the hob by pressing at any time will also switch off the minute minder timer.

- **Cooking zone timer (1 to 999 minutes):**

When the hob is switched on, an independent timer can be programmed for every cooking zone. Select a cooking zone, then select the temperature setting and finally activate the timer setting key, the timer can be programmed as a switch-off function for a cooking zone. Four LEDs are arranged around the timer. These indicate for which cooking zone the timer has been activated. 10 seconds after the last operation, the timer display changes to the timer that will run out next (in the event of programming more than 1 cooking zone). When the timer has run down, a signal sounds, and the timer display displays “00” statically, and the assigned cooking zone timer LED blinks. The programmed cooking zone will be switched off and the “H” will be displayed if the cooking zone is hot. The sound signal and the blinking of the LED timer will be stopped automatically after 30 seconds and/or by operating any key.

#### **Buzzer:**

While the hob is in operation, the following activities will be signaled by means of a buzzer: Normal key activation with a short sound signal Continuous operation of keys over a longer period of time (10 seconds) with a longer, intermittent sound signal.

#### **Boost Function:**

A cooking zone has to be selected, the cooking level set to the “desired cooking level” and the P (Boost) key has to be pressed again. The Boost-Function can be activated if the induction module accepts the setting on this cooking zone. If the Boost Function is active, a “P” is displayed on the corresponding display. Activating the booster can exceed the maximum power and the integrated power management will be activated. The necessary power reduction is shown by the blinking of the corresponding cooking zone display. Blinking is active for 3 seconds and allows further adaptations of the settings before power reduction.

#### **Smart Pause:**

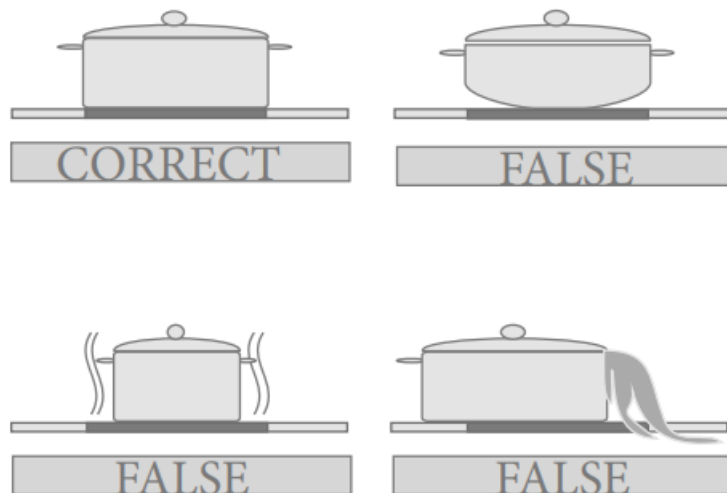
The Smart Pause, when activated, reduces the power of all burners that have been switched on. If you then deactivate the Smart Pause, the heaters will automatically return to the previous level. If the Smart Pause is not deactivated, the cooktop will turn off after 30 minutes. Press ( ) to activate Smart Pause. The power for the activated heater(s) will reduce to level 1 and “II” will appear on all the displays. Press ( ) again to deactivate Smart Pause. “II” will disappear and the heaters will now run at the level previously set.

#### **HINTS AND TIPS Cookware**

- Use thick, flat, smooth bottomed cookware, that has the same diameter as the element. This will help reduce cooking times.
- Cookware made of steel, enameled steel, cast iron and stainless steel (if appropriately labeled by the manufacturer) will give you the best results.
- Cookware made of enameled steel or aluminum or copper bottoms can cause a metallic residue to remain on the hob. If left, this becomes difficult to remove. Clean the hob after every use.



- Cookware is suitable for induction if a magnet sticks to the bottom of the cookware.
- The cookware must be placed centrally on the cooking zone. If it is not placed correctly, is displayed.
- When using certain pans, you may get various noises from the pans, this is due to the design of the pans and does not affect the performance or safety of the hob



### Energy saving

- Induction cooking zones adapt automatically to the size of the cookware bottom up to a certain limit. However, the magnetic part of the cookware bottom must have a minimum diameter depending upon the size of the cooking zone.
- Place the cookware in the cooking zone before it is switched on. If it is switched on before putting any cookware on it, the cooking zone will not operate and the control display shows.
- Use a lid to reduce cooking time.
- When the liquid comes to a boil, reduce the temperature setting.
- Minimize the amount of liquid or fat to reduce cooking times. · Select the proper temperature setting for the cooking applications.

### Examples of cooking applications

The information given in the following table is for guidance only.

Settings	Use for
0	Element off
1- 3	Delicate warning
4 – 5	Gentle simmering, slow warning
6 – 7	Reheating and rapid simmering
8	Boiling, sauté and searing
9	Maximum heat
P	Boost function

### Cleaning tips

- Do not use abrasive pads, corrosive cleaners, aerosol cleaners, or sharp objects to clean the surfaces of the hob.
- To remove burnt food, soak it off with a damp cloth and washing-up liquid.
- You may use a scraper for cleaning food or residues. Sticky foods must be cleaned immediately when they spill before the glass has cooled down.
- Be careful not to scratch the silicon adhesive placed on the edges of the glass whilst using a scraper.
- The scraper has a razor, therefore, it must be kept away from children.
- Use a special ceramic hob cleaner on the hob while it is warm to the touch. Rinse and wipe dry with a clean cloth or paper towel.

## INSTALLATION OF THE APPLIANCE

**WARNING:** The electrical connection of this hob should be carried out by a qualified electrician, according to the instructions in this guide and in compliance with the current regulations. In the event of any damage that occurs as a result of improper connection or installation, the warranty will not be valid. This appliance must be grounded.

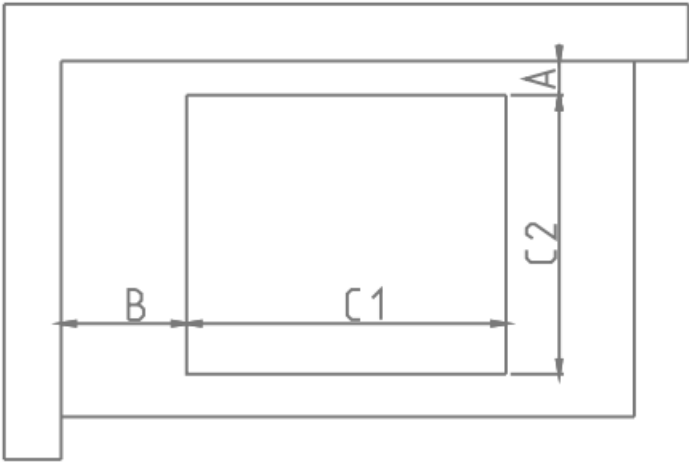
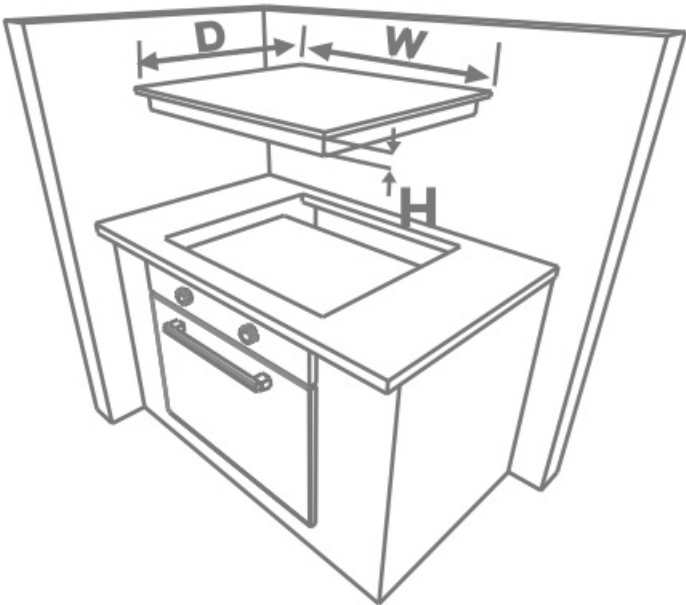
### Installation safety

- Any overhanging surface should be at least 65cm above the hob.
- Extractor fans must be fitted in accordance with the manufacturer's instructions.
- The wall in contact with the rear of the hob must be made of flameproof material.
- The power cable length should not exceed 2 meters

### Fitting the hob into a work surface

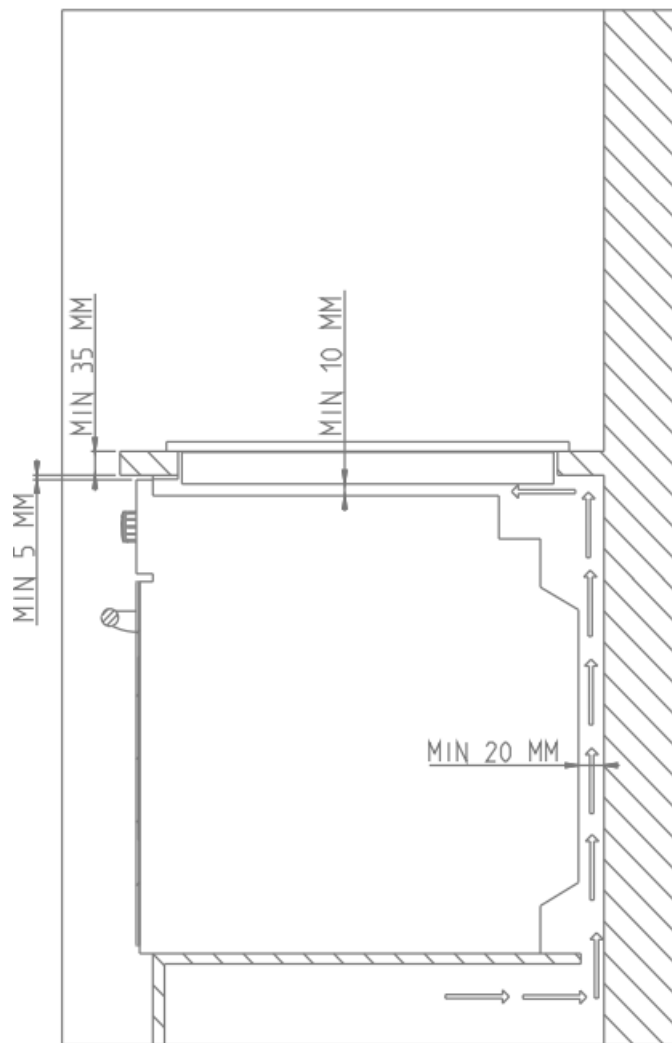
- The hob can be inserted into any worktop provided it is heat resistant up to at least 90°C.
- Create an opening with the dimensions shown in the picture below and on the next page.
- The induction hob may be built in 25 to 40 mm thick worktops.

PRODUCT DIMENSION	W (mm)	D (mm)	H (mm)
	590	520	58

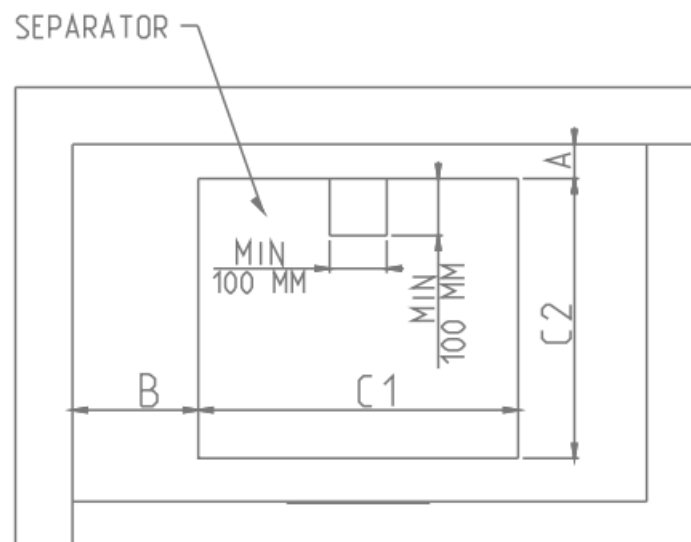
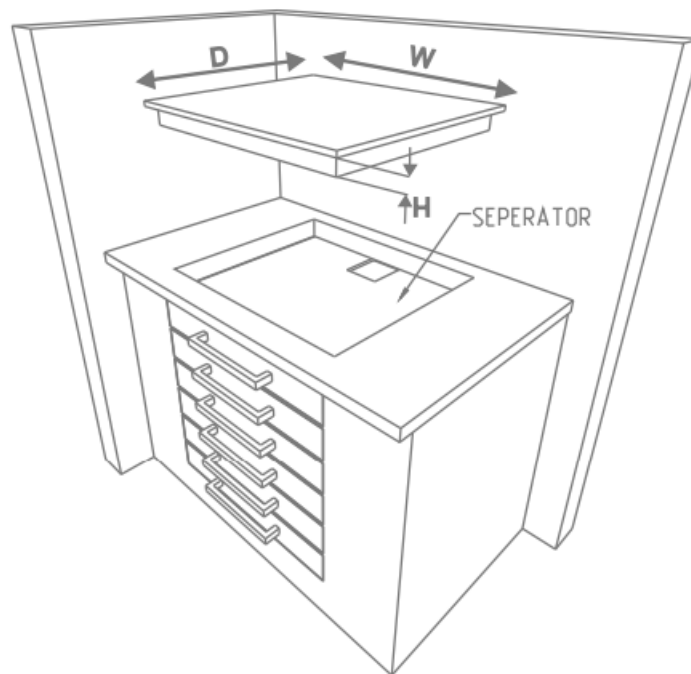


CUT OUT DIMENSION	C1 (mm)	C2 (mm)
	560	490

NEIGHBOUR HOOD WALLS	MIN A (mm)	MIN B (mm)
WOOD / CONCRETE OR CERAMIC TILED	50	50

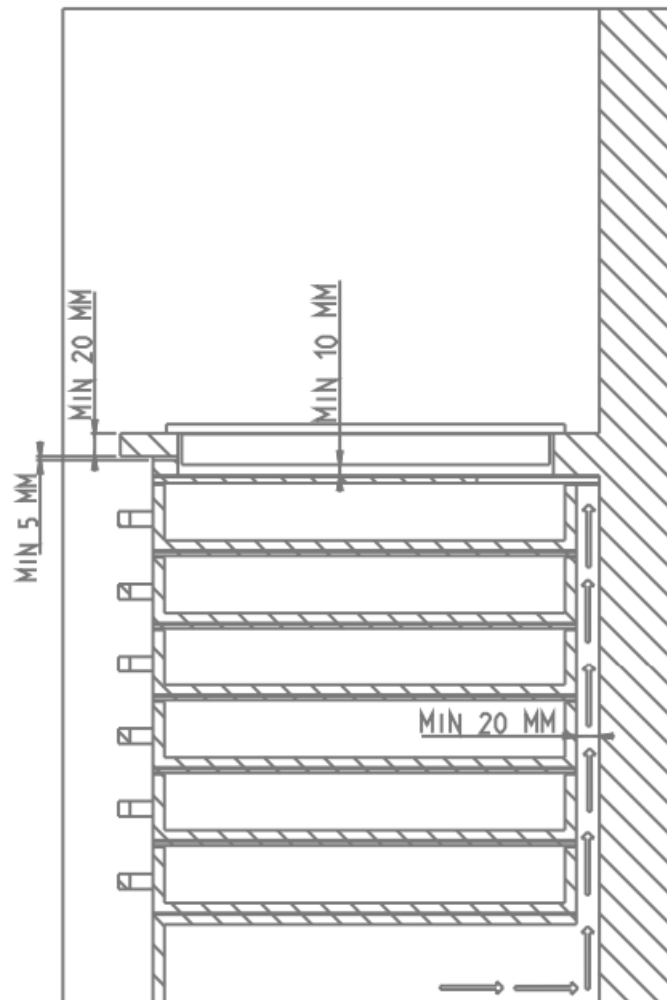


	W (mm)	D (mm)	H (mm)
PRODUCT DIMENSION	590	520	58



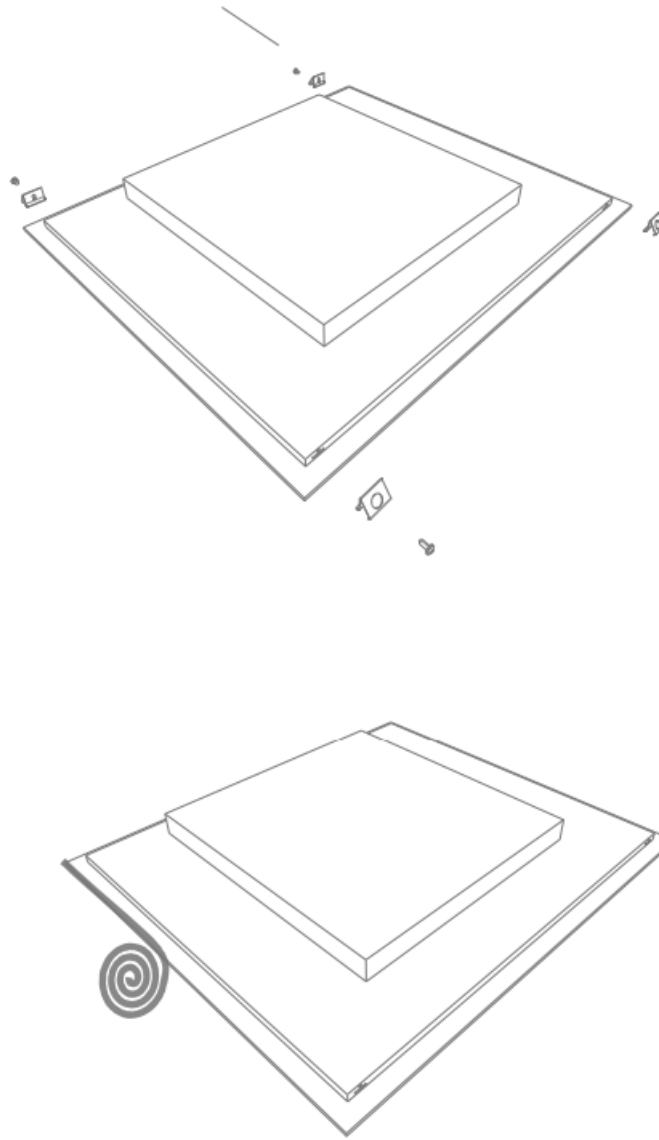
CUTOUT DIMENSION	C1 (mm)	C2 (mm)
	560	490

NEIGHBOUR HOOD WALLS	MIN A (mm)	MIN B (mm)
WOOD / CONCRETE OR CERAMIC TILED	50	50



Apply one-sided self-adhesive sealing tape supplied all the way around the lower glass edge of the cooking surface along the outer edge of the glass-ceramic panel. Do not stretch it.

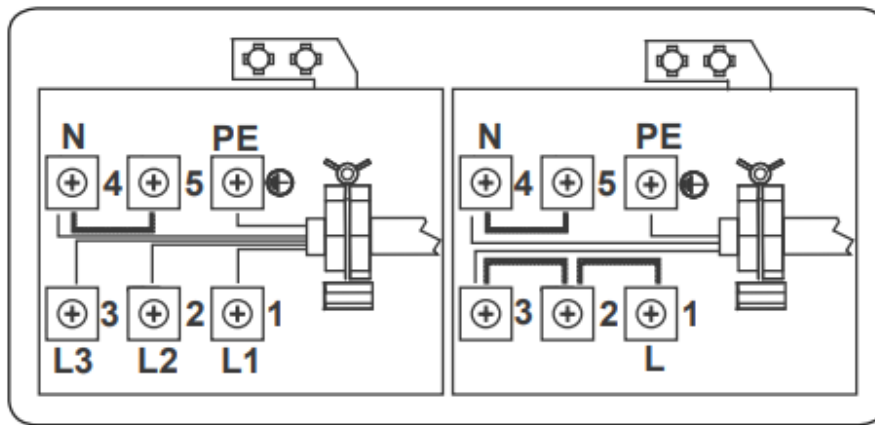
- Screw the 4 worktop mounting brackets on the side walls of the product.



Worktop mounting bracket

## Making an electrical connection

Before making a connection, check that: The voltage power supply is the same as that quoted on the rating plate which is situated at the back of your hob. The circuit can support the appliance load (see the rating plate). The power supply has a grounded connection, which complies next the fused switch to a junction box which should be fitted on the wall about 61cm (24 inches) above floor level and behind the hob. The hob's power supply cable can then be connected. Connect one end to the junction box and connect the other end to the hob's power connection box which is located at the back of the hob. Remove the cover of the power connection box and install the cable, in accordance with the connection diagram. The power supply cable must be positioned away from direct heat sources



For the induction hob, the cable must be H05VV-F 3X4 mm<sup>2</sup> or 3x4mm<sup>2</sup> 60227 IEC 53 ••. You will find the connection diagram shown on the bottom of your appliance.


## ERROR CODES

If there is an error, an error code will be shown on heater displays.

- **E1:** The cooling Fan is disabled. Call an authorized
- **E2:** Induction coil is too high, switch the hob off by pressing the on/off button and let the coil cool down
- **E3:** Supply voltage is other than the rated values. Switch the hob off by pressing the on/off button, wait until “H” disappears for all zones, switch the hob on by pressing the on/off button and continue to use. If the same error is displayed again, call an authorized service agent.
- **E4:** Supply frequency is different from the rated values. Switch the hob off by pressing, wait until “H” disappears from all zones, switch the hob on by pressing and continue to use. If the same error is displayed again, switch the plug for the appliance off and on. Switch the hob on by pressing and continue to use it. If the same error is displayed again, call an authorized service agent.
- **E5:** Internal temperature of the hob is too high, switch the hob off by pressing the on/off button and let the heaters cool down.
- **E6:** Communication error between the touch control and heater. Call an authorized service agent.
- **E7:** The coil temperature sensor is disabled. Call an authorized service agent.
- **E8:** Cooler temperature sensor is disabled. Call an authorized service agent.
- **EA:** Large Coil Saturation Error. Switch the hob off by pressing the on/off button, switch the hob on by pressing the on/off button and continue to use. If the same error is displayed again, call an authorized service agent.
- **EC:** Supply Voltage Error. Switch the hob off by pressing the on/off button, switch the hob on by pressing the on/off button and continue to use. If the same error is displayed again, call an authorized service agent.
- **C1-C8:** Microprocessor alert. Switch the hob off by pressing the on/off button, switch the hob on by pressing the on/off button and continue to use. If the same error is displayed again, call an authorized service agent.

## Documents / Resources



 The image shows the front cover of a Sharp user manual. At the top, it says 'Home Appliances'. Below that is the Sharp logo and the model number 'KH-6I45FT00-EU'. There is a table of contents on the left side with items like 'Cooking', 'Safety', 'Installation', 'Operation', 'Maintenance', and 'Troubleshooting'. The bottom of the cover is red with the Sharp logo and 'SHARP' text.	<p><b><a href="#">SHARP KH-6I45FT00-EU Built-in Induction Hob</a></b> [pdf] User Manual KH-6I45FT00-EU, Built-in Induction Hob, Induction Hob, KH-6I45FT00-EU, Hob</p>
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References

-  [sharphomeappliances.com](http://sharphomeappliances.com)