



# QX by IE Range

## Operating Manual

The contents of this manual have been carefully checked. Any technical upgrades will be entered in the next manual. Changes in colour or case design are at the manufacturer's discretion.

The company reserves the right to modify the hob at any time.

Please read this manual before use and keep for future reference.

### Introduction

#### 1 Operating principle

Induction is a relatively new method of cooking using electricity in a copper coil to produce a magnetic field. The magnetic field in turn induces eddy currents in the base of the cooking vessel, heating up the base of the vessel and hence the food inside.

#### 2 Technical Specification

Current (20-40Hz) across the coil produces a magnetic field

AC 240 V; Current; 50and 60 Hz ; Power 2.9kW

#### 3 Requirements of the cooking vessel

The base of a pan to be used on induction must contain some magnetic material (iron) for the magnetic field to interact with the base and produce eddy currents within it. In practice if a magnet sticks to the base of the pan, then the pan will work on the induction hob.

NB. If the hob is not used for more than 2 hours at any one time the hob will shut down automatically.

#### 4. Diagram of the hob

Front view

Rear view

Underneath view

#### 5. Safe Operating Mode

1. Do not allow water to enter the hob as this will damage the electronics
2. Adequate ventilation is required to cool the electronics
3. The surface on which the hob is placed should be kept dry at all times
4. Do not twist the switch quickly
5. Do not shut the power off when the hob is in use to avoid damaging the power switch
6. The hob and fan should be off before the power switch is turned off

7. The ceramic glass is easily broken, therefore do not drop heavy objects on the glass and do not shake the hob.
8. Do not use any container which is not certified by the container manufacturer as suitable for induction, otherwise the glass and hob may be damaged
9. The diameter of the pan used on the hob should be around 20-35cm, otherwise damage to the hob may occur.
10. Ensure that cool air can freely enter from underneath the hob, without hindrance. Do NOT PLACE hob on top of cleaning cloths, aprons and other objects such as utensils. DO NOT PLACE ON TOP OF ANOTHER INDUCTION HOB otherwise severe damage will occur to both hobs and will invalidate the warranty. Do NOT place objects to the rear of the hob thus preventing the exhausted hot air from exiting the hob.
11. Please clean the hob after switching off the power, using a soft cloth and proprietary spray such as Hob Brite. Do not use water or steam for cleaning as this can damage the electronics.
12. Do not place any kitchenware other than the cooking pan on the surface.
13. Take care when using the hob that rings or watches worn by the operator do not become hot.
14. Ensure there is sufficient power output (2.9kW) at the socket before use.
15. The mains outlet socket must comply with current electrical regulations and must be fully protected by an RCD and earth leakage circuit breaker (ELCB).  
Inspect power cord for signs of damage by cuts and abrasion or other defect. This is to protect the user from electrocution. If power cord and/or mains plug is damaged, the hob MUST NOT BE USED until the cord is replaced only by a competent qualified person.
16. Only maintenance authorised by the manufacturer is recommended
17. People with pacemakers should not use this hob
18. Only qualified electronics engineers should take the hob apart as there are high internal voltages
19. Keep children away from the hob
20. Signs – magnetic radiation and high voltage
21. If the glass is cracked stop using the hob and turn off the power

## **6. Cleaning and Maintenance**

Turn the power off before cleaning

Do not use water to clean the hob, apart from on a soft cloth

The inlet filter should be cleaned at least once per month

## **7. Installation and debugging**

The power cable at the base of the hob carries 240v in operation. There must be a residual current device for safety reasons.

## **8. Commencement of use.**

1. When the power is switched on there will be a beep sound. All the LEDs will flash once for 1 second. The power light will continue to flash red and the blue working light will shut off.
2. Turn on the right power switch, check the fan is working,( which is audible in operation). Placing a suitable pan on the hob causes the blue working LED to come on. Turning the right switch increases the power from 1-9 and the LED will show 1-9. At each new power level a beep will sound.
- 3 After use please turn off the power switch. The LED will display --, the power light and working light will shut down, the fan motor will continue for 1 minute and then power off automatically. Shut off the mains power once the fan motor has stopped

## 9. Faults and remedial action

### Fault

Power on but no beep

Switch working but LED display not working

### Action

Check mains power cable. If Ok check power switch and earth leakage

Change switch

### Fault codes

|      |                          |
|------|--------------------------|
| "_"  | No pan                   |
| E2/2 | bottom of pan overheated |
| E3/3 | thermistor cut off       |
| E4/4 | IBGT overheat            |
| E5/5 | IGBT thermistor cut off  |
| E6/6 | Low voltage              |
| E7/7 | High Voltage             |
| E8/8 | IBGT over current        |
| E9/9 | Short circuit            |
| EA/A | Coil cut off             |
| EB/B | Fan not working          |

If all the above have been checked and the problem persists, please call

**Induced Energy Ltd – 01280 705900.**