

RANGE HOOD

USER'S MANUAL

PHILCO



Famous for Quality the World Over

PEI 12715

PEM 14

PEM 8

Dear customer,
Thank you for buying a PHILCO brand product. So that your appliance serves you well, please read all the instructions in this user's manual.

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PART 1: IMPORTANT SAFETY INSTRUCTIONS

Recommendation:

Carefully read these instructions before installing and operating this range hood.

Write down the serial number found on the rating label of the range hood in the space below. It is essential that you store this user's manual in a safe place so that you can use it in the future. If you intend to sell the appliance, give it to another owner, or if you move, always make sure that the user's manual is attached to the appliance, so that the new owner can also learn about the operation of the appliance and the relevant warnings.

SERIAL NUMBER:

Important safety instructions

- This appliance is designed for household use only.
- Before connecting the power cord plug, make sure the voltage stated on the rating label of the appliance corresponds to the voltage in your wall socket. Connect the power cord plug to a power socket with a voltage of 220 – 240 V ~ 50 Hz.
- Only use a properly grounded power socket. The appliance may only be connected to a properly grounded power socket.
- All electrical connections must be performed by a qualified electrician.
- Installation performed by an unqualified person may cause incorrect operation, damage to the appliance, create a fire hazard or cause injury to persons.
- Neither the manufacturer nor the vendor take responsibility for damages caused by incorrect or unprofessional installation, connection or operation. Tampering with the appliance by an unqualified person will void the customer's right to a warranty repair.
- Do not expose the power cord to excessive pressure or loads, do not place heavy objects on it, it must not be tangled and it must not be stepped on. Do not locate the power cord in or on heat sources such as stoves, heating or other generators of heat. Otherwise this may damage the power cord or create a fire hazard.
- Only connect the power cord plug to a power socket after the entire installation is completed.
- The power plug serves as a disconnection device and for this reason the power socket must remain easily accessible for the event of a dangerous situation, unless it is connected into a terminal box.
- Do not touch the lights if the appliance has been running for some time. Lights heat up during operation and may cause burns.
- This appliance is designed for fume extraction during standard domestic use. Do not use the appliance for purposes other than those for which it was designed. Otherwise you expose yourself to the risk of a dangerous situation and voiding the warranty.
- Follow the instructions for installation and ventilation (with the exception of when a fire stove is used).
- Do not use the flambé cooking method under the range hood.
- Regularly replace the filters in the range hood. Otherwise this presents a fire hazard.
- Only use filters suitable for use with the range hood. The manufacturer or distributor will recommend the suitable filter type.
- Do not use the appliance without the aluminium filter inserted. Do not take out the filters while the appliance is on.
- Regularly clean the appliance to prevent a dangerous situation from occurring.
- Before cleaning, replacing filters, moving or any other maintenance, turn off the appliance and pull out the power plug from the power socket, or turn off the respective circuit breaker.
- If you are using another gas or natural gas appliance in the room at the same time, the fumes from this appliance must be spatially isolated.

- If a chimney is connected to the exhaust of the range hood, use pipes with a diameter of 150 or 120 mm. The pipe connection should be as short as possible.
- Keep packaging materials out of children's reach. They could suffer injury or suffocation.
- Children must be supervised to ensure that they do not play with the appliance. If the power cord is damaged stop using the appliance. Have the power cord replaced at an authorised service centre or by another qualified person. Under no circumstances should you replace the power cord yourself.

To ensure safety, use a fuse with a maximum rating of 6 A.



WARNING!

This appliance must not be used by persons (including children) with physical or mental impairments or by inexperienced persons, unless properly trained or schooled in the safe use of the appliance, or unless they have been properly supervised by a qualified person who will be responsible for their safety.

Attention when transporting or carrying

The packaging materials are from recyclable materials, so dispose of them in an environmentally conscientious manner according to regulations in force.

During transport adhere to the symbols of the cardboard box.

When carrying the appliance, hold it by the respective handles.

NOTE:

We recommend that you keep the original packaging at least for the duration of the warranty period for the event of repair or refund and transport to the authorised service centre. Adhere to the symbols on the cardboard box.

If you do not have the original cardboard box, adhere to the following instructions:

- Do not place any items on the appliance that could damage the appliance during transport.***
- Protect the appliance against impacts, falls, etc.***
- Wrap the appliance, e.g. in bubble wrap which will protect the appliance from damage.***

NOTE:

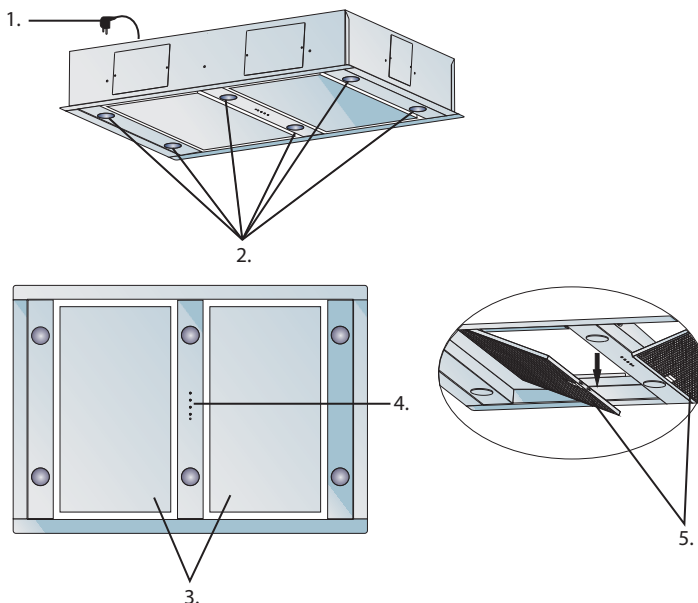
The carbon filter is not included.

NOTE:

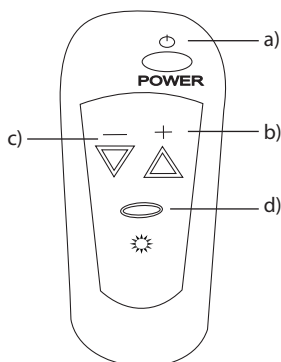
If the building is equipped with a heat recovery system system, it is necessary to setup the appliance for internal air circulation (without an exhaust). In that case, it is necessary to purchase the carbon filter.

PART 2: DESCRIPTION OF THE APPLIANCE

- | | |
|---------------------|------------------------------|
| 1. Power cord | 4. Function indicator lights |
| 2. Lighting | 5. Aluminium filter |
| 3. Protective cover | |



Remote control



- | | |
|----|-----------------------------|
| a) | Turn the appliance on / off |
| b) | Increase the exhaust power |
| c) | Decrease the exhaust power |
| d) | Turn the lights on / off |

PART 3: INSTALLATION

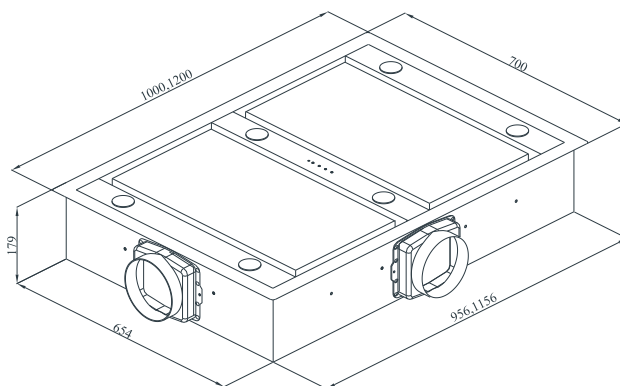
Unpacking

- After unpacking remove all packaging and advertising labels from the appliance.
- Check that the appliance has not been damaged and that the package includes all the items described in this user's manual.
- If the appliance was damaged during transport, contact authorised service centre.
- Do not use a damaged appliance under any circumstances.

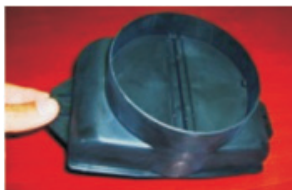
IMPORTANT:

Ensure that children do not play with the packaging material.

Dimensions of the appliance



Supplied accessories (depending on the model)



A non-return exhaust flap must be installed into the air outlet of the range hood (unless one is already factory installed).

Placement

Install the range hood at a height of at least 65 cm above an electric cooktop or at a height of 75 cm above a gas cooktop.

Assembly and installation of the appliance

Before assembling and installing the appliance carefully read these instructions and adhere to them.

NOTE:

Dowels, screws and the hanging plate are supplied together with the range hood.

IMPORTANT:

Before installing or using the appliance, please first read all instructions and check that the voltage and frequency values on the rating label correspond to the voltage and frequency in your electricity grid.

We recommend that the appliance be connected by a service technician or another qualified person in compliance with local codes and regulations.

Before starting the installation

- Check that the purchased appliance has the correct dimensions corresponding to the chosen installation location. Furthermore ensure that there is an electrical power socket available that will remain accessible even after the range hood is installed.
- Before installing the range hood, check that all necessary masonry work is complete.
- Have all electrical connections performed by a qualified person.
- We recommend that you remove the aluminium filters before installing the range hood.
- Check that there are no packaging materials or other materials, e.g. user's manual, warranty card or bags with screws, inside the appliance. These need to be taken out and kept for possible use in the future.
- We recommend that you disconnect and move to the side freely standing or built in stoves so that you have easier access to the rear wall or ceiling. If this is not possible place protective material on to the work area, cooktop or stove. This will prevent damaging these surfaces.
- Select an even surface for the necessary assembly of the range hood. Cover the surface with a protective material and place all parts of the range hood and fastening elements on to it.
- It is necessary that a qualified technician inspects the suitability of the supplied fastening material and other components for the specific wall / ceiling type. The wall / ceiling must be sufficiently strong to hold the weight of the range hood.
- Do not attach this range hood to a wall or cabinet furniture by tiling, plastering and do not glue it on using silicone glue. The appliance is designed to only be installed on a wall / ceiling.
- We recommend that always two people perform the installation of the appliance.

If your range hood is designed to be mounted to the ceiling, adhere to the following instructions.

- 1) The range hood must only be suspended on ceiling beams or on load bearing ceiling beam connections.
- 2) **Do not suspend** the range hood on false ceilings.
- 3) The ceiling **must** have a load bearing capacity of at least 40 kg.
- 4) The ceiling thickness **must** be at least 30 mm.

IMPORTANT:

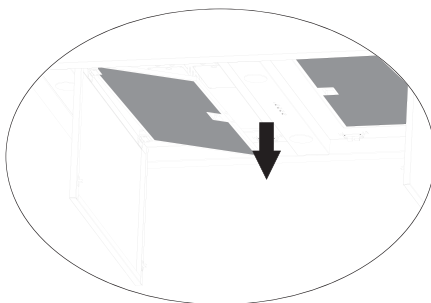
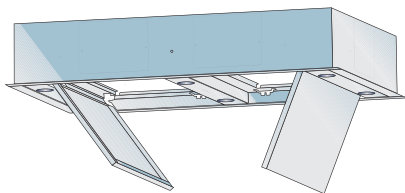
THE RANGE HOOD MAY ONLY BE CONNECTED TO THE ELECTRICAL GRID AFTER THE ENTIRE INSTALLATION IS COMPLETE.

IMPORTANT:

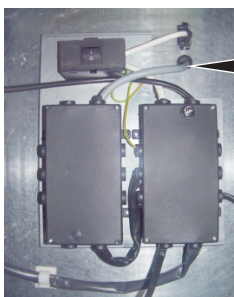
The range hood can also be used with an external motor unit PEM 14 or PEM 8. You will find the installation instructions in a further part of the user's manual.

Installation procedure

1. Open the protective covers and remove the aluminium filters.

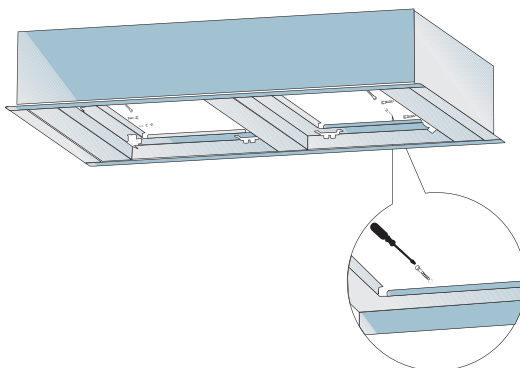


2. Pull out the cable leading from the external ventilation unit and lead it about 30 cm above the range hood.



Cable leading from the external ventilation unit

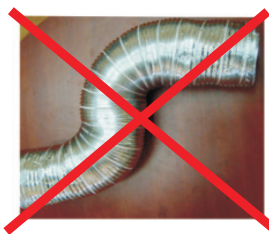
3. Place the range hood against the ceiling and secure it in place using screws.



4. Attach one end of the aluminium pipe to the range hood flange and the other end to the air outlet. Check that both ends are firmly attached and secured in place. Bends and deviations in the aluminium flue pipe reduce the exhaust performance, so it is essential that the pipe is bent as little as possible.



Right



Wrong

Carbon filter

If you are using the range hood without an air exhaust, it is necessary to use a carbon filter. The carbon filter is not included. Contact your vendor or an authorised service centre to purchase this filter.

- Before installing or replacing the carbon filter, check that the appliance is turned off and disconnected from the power socket or that the respective circuit breaker is turned off.
- It is necessary to replace the carbon filter regularly every 3 – 5 months depending on how much the appliance is used.
- Never wash the carbon filter in water unless the manufacturer states otherwise.
- Aluminium filters must always be installed even when the carbon filter is not installed. Do not use the appliance without the aluminium filter installed.

Replacing the carbon filter

1. For the correct operation of the appliance it is necessary to install a carbon filter. The number and type depends on the model.
2. Place the carbon filter on the motor outlets and turn it in the clockwise direction.
3. To remove the carbon filter turn it in the anticlockwise direction.

Ventilation

To ensure proper ventilation, leave windows closed while the appliance is turned on.



WARNING!

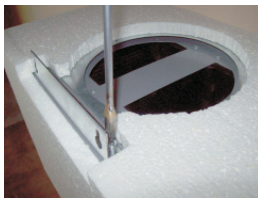
Pay increased attention if you are using the appliance together with another appliance that uses air or fuel for its operation (e.g. heating fan, fan, etc.) or that uses gas, coal or wood, as its operation may negatively affect the performance of the range hood because it expels air out of the room. This warning does not apply if you installed the appliance without an exhaust out of the room.

PART 4: INSTALLATION OF THE EXTERNAL MOTOR UNIT

PEM 14 External motor unit

1. Installation of hanging brackets

To hang the external motor unit it is necessary to first install 2 L-shaped hanging brackets, which are supplied together with the screws. Screw M5x40 screws into the M5 thread on the motor unit base.



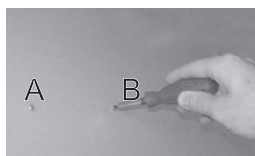
2. Drilling mounting holes

Drill 8mm holes (A, B) in the installation location of the external motor unit and insert $\varnothing 10$ mm dowels into them.



3. Inserting screws

Into the holes with the dowels (A, B) screw in screws 5.5 x 60. Leave a gap of 5 mm between the screw heads and the wall.

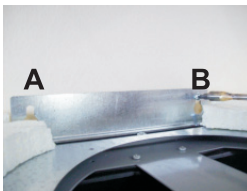


Install the non-return exhaust flap on to the top part of the motor unit using 3.5 x 9.5 screws.



4. Hanging the external motor unit

Hang the motor unit using the hanging brackets on to the screws in holes A and B.



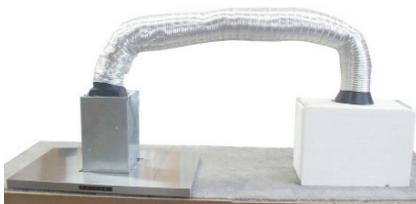
Installation of aluminium tubes

1. Connecting the range hood to the external motor unit

Connect the flexible aluminium tube to the air outlet in the top part of the range hood.

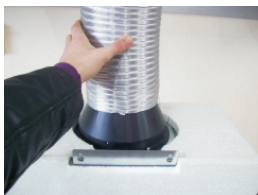


Insert the other end into the air inlet of the external motor unit.



2. Connecting the external motor unit to a chimney

Place one end of the aluminium tube on to the air outlet of the external motor unit.



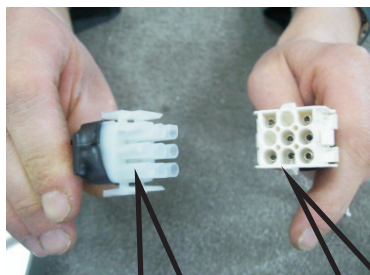
Place the other end of this tube on to the outlet in the respective part of the chimney.

NOTE:

To prevent the aluminium tube from coming loose when at the maximum exhaust power level, you can use supports to strengthen the tube structure.

Cable connection

After completing the entire installation and connecting the tubes you can connect the cables of the external motor unit to the range hood. Connect the cables according to the pictures below.



Cable of the
range hood

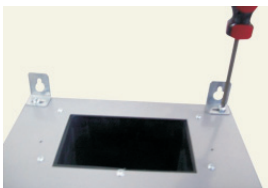
Cable of the external
motor unit



PEM 8 External motor unit

1. Installation of hanging brackets

To hang the external motor unit it is necessary to first install 2 L-shaped hanging brackets, which are supplied together with the screws. Screw M5x40 screws into the M5 thread on the motor unit base.



2. Drilling mounting holes

Drill 8mm holes (A, B) in the installation location of the external motor unit and insert $\varnothing 10$ mm dowels into them.

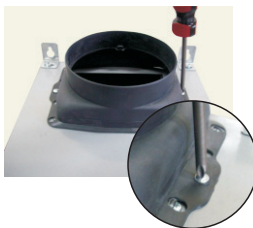


3. Inserting screws

Into the holes with the dowels (A, B) screw in screws 5.5 x 60. Leave a gap of 5 mm between the screw heads and the wall.

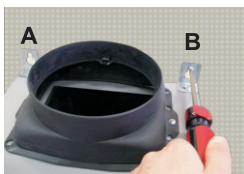


Install the non-return exhaust flap on to the top part of the motor unit using 3.5 x 9.5 screws.



4. Hanging the external motor unit

Hang the motor unit using the hanging brackets on to the screws in holes A and B.



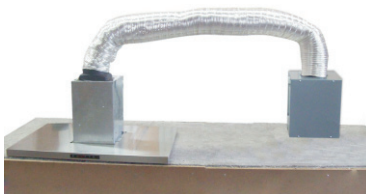
Installation of aluminium tubes

1. Connecting the range hood to the external motor unit

Connect the flexible aluminium tube to the air outlet in the top part of the range hood.



Insert the other end into the air inlet of the external motor unit.



2. Connecting the external motor unit to a chimney

Place one end of the aluminium tube on to the air outlet of the external motor unit.



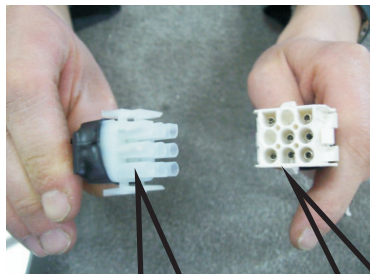
Place the other end of this tube on to the outlet in the respective part of the chimney.

NOTE:

To prevent the aluminium tube from coming loose when at the maximum exhaust power level, you can use supports to strengthen the tube structure.

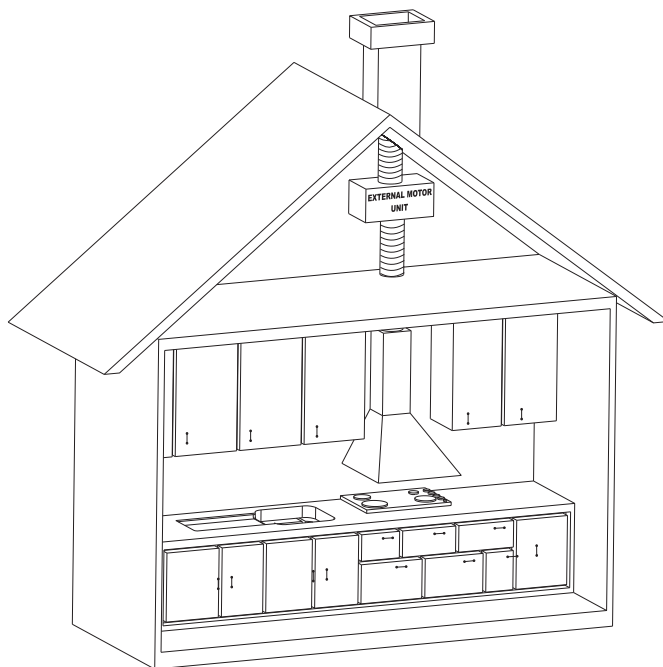
Cable connection

After completing the entire installation and connecting the tubes you can connect the cables of the external motor unit to the range hood. Connect the cables according to the pictures below.



Cable of the
range hood

Cable of the external
motor unit

**Simplified connection diagram**

PART 5: OPERATION

Remove the protective foil from the control panel.

The range hood is controlled only by means of a remote control.

⦿ **button** – This button serves to turn the range hood on / off. When it is pressed the range hood motor starts running at 1 (lowest power). An LED indicator light (on the far left side) will light up on the range hood. If you increase the exhaust power level to 2 then two LED indicators will be lit, etc.

– **button** - This button serves to reduce the exhaust power level. Each time it is pressed the exhaust power level will decrease by 1 level. The lowest level is 1.

+ **button** - This button serves to increase the exhaust power level. Each time it is pressed the exhaust power level will increase by 1 level. The highest level is 4.

Timer

Press and hold the – button for at least 2 seconds and the timer function will be turned on for a period of 15 minutes. The LED indicator light on the far right will be lit. The motor will automatically turn off after 15 minutes or if you change the exhaust power level.

NOTE:

Use the range hood together with the stove. This will ensure the correct air exhaust. We recommend to leave the range hood running a few minutes longer than the stove to ensure that all odours are extracted.

Lighting

The range hood is equipped with 3 groups lights.

1. **Group:** press the ☀ button, while the lights are off and the 2 middle lights will turn on.
2. **Group:** press the ☀ button again, the 2 middle lights will turn off and 4 lights on the sides will turn on.
3. **Group:** press the ☀ button once more and all the lights will turn on.

If you press the ☀ button again the lights will turn off.

NOTE:

If you do not perform any operation within 4 hours, the range hood will turn off automatically.

Operating tips

1. Regularly clean the aluminium filters and regularly replace the carbon filters.
2. Use the medium exhaust power level. Only use the highest power level when necessary.
3. To ensure proper ventilation, leave windows closed while the appliance is turned on.

PART 6: MAINTENANCE AND CLEANING

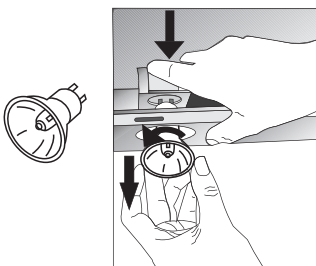


WARNING!

Before cleaning, regular or other maintenance, installation or removal, check that the appliance is turned off and disconnected from the power socket or that the respective circuit breaker is turned off.

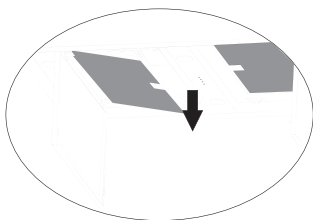
Changing a light bulb

- Turn off the appliance.
- Take out the aluminium filter.
- If the light bulb broke during operation wait until it cools down.
- To remove the halogen light bulb (50 W), press the light bulb holder downwards and gently turn it anticlockwise. Remove the light bulb.
- Install a light bulb with the same parameters in reverse sequence.



Cleaning

- Aluminium filters capture dust and fat from the extracted air.
- It is necessary to regularly wash these filters, ideally once a month, depending on the level of use. Wash the filters in water with dishwashing detergent, or you may place the filters in a dishwasher and wash them using a gentle program (max. 60°C).
- Take out the aluminium filters by pressing the clip.
- After cleaning allow the aluminium filters to dry thoroughly before reinstalling them.
- Wipe the outer surface of the range hood with a clean damp wiping cloth lightly dipped in water with a small amount of dishwashing detergent. Then wipe dry.
- Avoid electrical parts coming into contact with water or another liquid.



WARNING!

For cleaning do not use petrol, benzene, thinners or any other solvents, coarse cleaning agents, steel wool or any sponges with steel wool.





WARNING!

You may put the aluminium filters in a dishwasher. The colour of the aluminium filters may change after several washes. This is a normal event.

PART 7: BEFORE YOU CALL THE SERVICE CENTRE

If the appliance is not working as it should check the following recommendations for resolving the most common problems.

If the problem persists or it is not included in the table below, turn off the appliance and disconnect it from the power socket and contact an authorised service centre.

Problem	Solution
The range hood is not working.	Check that the power plug is properly inserted in a properly grounded power socket with the parameters 220 – 240 V ~ 50 Hz.
	Check if you have pressed the  button.
The lights are not working.	Check that the power plug is properly inserted in a properly grounded power socket with the parameters 220 – 240 V ~ 50 Hz.
	Check if you have pressed the  button.
	Check whether the light bulb or fluorescent tube is broken.
Exhaust power is weak.	Check whether the aluminium filters are dirty.
	Check the air outlet, it should be open.
	Check whether the carbon filter is not too dirty.
The range hood does not extract the air directly out (for models without an exhaust).	Check whether the aluminium filters are dirty.
	Check whether the carbon filter is not too dirty.

Attention:

Use the range hood together with the stove. This will ensure the correct air exhaust. We recommend to leave the range hood running a few minutes longer than the stove to ensure that all odours are extracted.

PART 8: TECHNICAL SPECIFICATIONS

Input voltage	220 V ~ 50 Hz
Air outlet diameter	120 mm

NOTE:

All the here mentioned data is subject to change.

INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING MATERIALS

Dispose of packaging material at a public waste disposal site.

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC APPLIANCES



The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this product at your applicable collection point for the recycling of electrical & electronic equipment waste. Alternatively in some states of the European Union or other European states you may return your products to your local retailer when buying an equivalent new product. The correct disposal of this product will help save valuable natural resources and help in preventing the potential negative impact on the environment and human health, which could be caused as a result of improper liquidation of waste. Please ask your local authorities or the nearest waste collection centre for further details. The improper disposal of this type of waste may fall subject to national regulations for fines.

For business entities in the European Union

If you wish to dispose of an electrical or electronic device, request the necessary information from your seller or supplier.

Disposal in other countries outside the European Union

If you wish to dispose of this product, request the necessary information about the correct disposal method from local government departments or from your seller.



This product meets all the basic EU regulation requirements that relate to it.

Changes to the text, design and technical specifications may occur without prior notice and we reserve the right to make these changes.