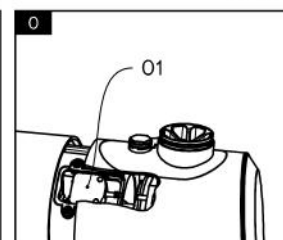
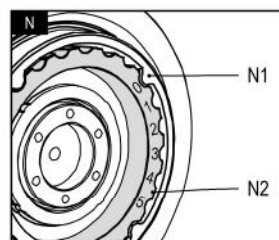
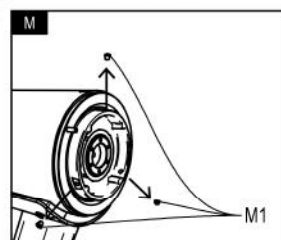
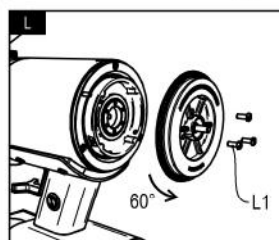
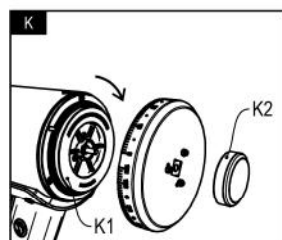
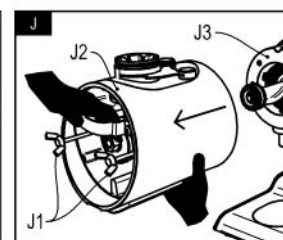
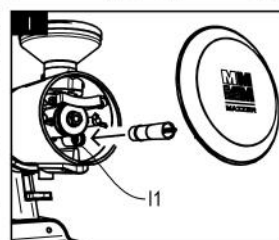
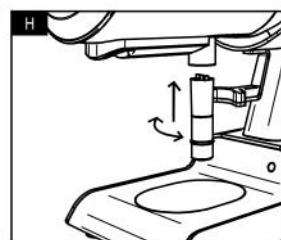
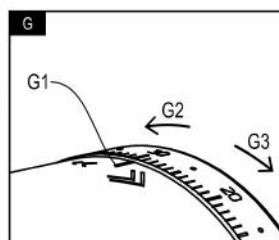
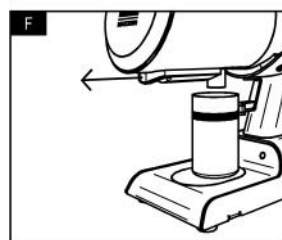
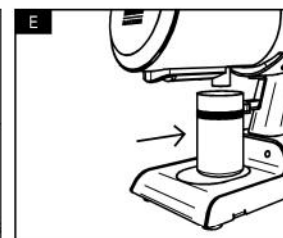
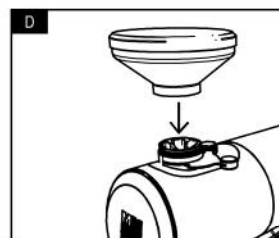
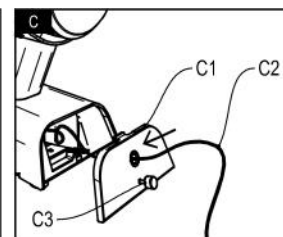
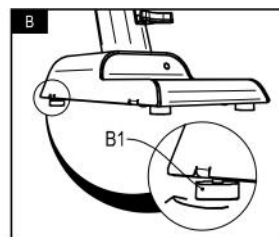
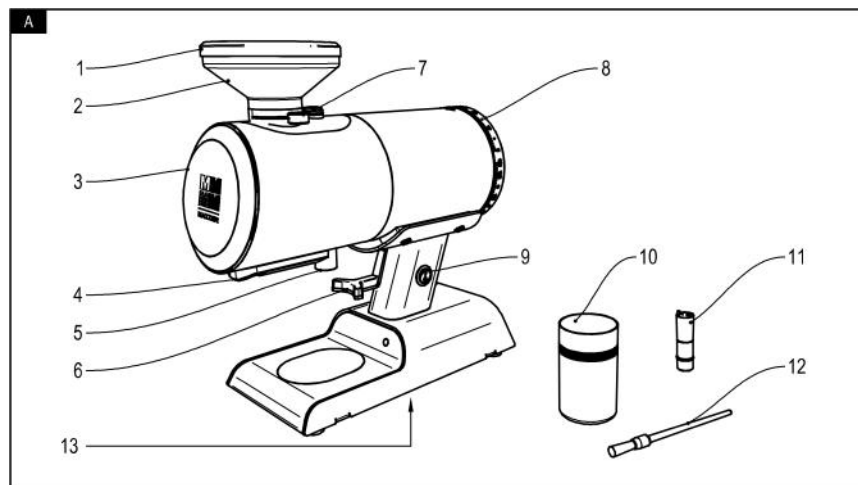




Philos

Coffee Grinder

Instruction manual



ENGLISH

Instruction manual
coffee grinder

Philos

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1. GENERAL DESCRIPTION

See illustrations page.

- 1- hopper lid;
- 2- hopper (coffee bean container);
- 3- front cover;
- 4- duct knocker;
- 5- outlet duct for ground coffee;
- 6- canister stop;
- 7- locking slide;
- 8- grinding adjustment disk;
- 9- main switch;
- 10- canister;
- 11- duct cleaning tool;
- 12- cleaning brush;
- 13- technical data label;
- B1- foot;
- C1- back base cover;
- C2- power cord;
- C3- pin for back base cover;
- G1- grinding adjustment index;
- G2- finer adjustment direction;
- G3- coarser adjustment direction;
- I1- duct cleaning tool housing;
- J1- pins for blade holder assembly;
- J2- blade holder assembly;
- J3- mating surface for blade holder ;
- K1- inner gear;
- K2- calibration block;
- L1- screws for inner gear;
- M1- spring plungers;
- N1- reference protrusion for adjustment gasket;
- N2- adjustment gasket;
- O1- microswitch.

Dimensions (W x H x D) and Weight:
153 x 361 x 351 mm / 12.5 kg
6 x 14¼ x 14 in / 27,6 lb

2. FOREWORD

Read this manual from cover to cover before using the appliance as it contains important instructions for the safety, operation and maintenance of the appliance.

Look after this manual and keep it in a safe place.

The manufacturer reserves the right to make changes to the product and to the manual.

Original instructions. All right reserved. It is prohibited to reproduce, adapt or translate this document without prior written authorization.

3. WARNINGS REGARDING SAFETY

IMPORTANT SAFEGUARDS

Read this instructions.

This appliance is intended to be used in household and similar applications such as: staff kitchen areas in shops, offices and other

working environments, farm houses, by clients in hotels, motels and other residential type environments, bed and breakfast type environments.

This electrical appliance must be used in conformity with the rules in force governing safe operation:

- **Do not allow children or incapable persons to use the appliance and/or play with the appliance. Keep the appliance and power cord away from children.**

Close supervision is necessary when any appliance is used near children. Children should be supervised to ensure that they do not play with the appliance.

- **Do not let cord hang over edge of table or counter.**
- **Grind solely coffee beans. Any other use is understood to be improper, and consequently hazardous. Do not use the appliance for grinding other types of food, or anything else.**

- **When operating the appliance, beware of the moving mechanical parts' in the area of the grinding blades and of the ground coffee outlet. Avoid removing foreign bodies from the grinding system or hopper without first unplugging the appliance from the mains.**

- Take care, as the grinding blades may continue rotating for a short while even after the appliance is switched off.

- **The user is not authorized to remove screws or any parts screwed onto the appliance.**

- Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions, or is dropped or damaged in any manner. Contact your reseller for information on examination, repair, or adjustment.

- Before performing any work on the appliance, including cleaning and/or maintenance, disconnect it from the power supply by unplugging. The

removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed. Turning off the appliance using its master switch does not assure the same conditions of safety.

- Do not tamper with the appliance.

- When the appliance is left unattended, the appliance's power supply must be disconnected using its master switch.

- Do not let liquids of any kind come into contact with the internal or external parts of the appliance.

- Do not use attachments not recommended or sold by the manufacturer.

- Never put ground coffee in the hopper intended only for coffee beans.

- Never pull from the power cord. To unplug the appliance, grasp the plug and pull from the outlet.

- Do not touch the appliance with damp or wet hands or feet.

- Do not use the appliance barefoot.

- The packaging materials must be kept out of the reach of children as they represent a potential source of danger. Keep the packaging until the warranty has expired.
- This appliance is intended for use at maximum altitudes of 2000 meters.
- In event of disposal of this appliance, follow the instructions in chapter 9.
- Do not attempt to defeat any safety interlock mechanisms.

The manufacturer cannot be held responsible for fire or electric shock and generally for all bodily injury or damage to property if these regulations are not complied with.

SAVE THESE INSTRUCTIONS

4. INSTALLATION AND WIRING

Incorrect installation may result in injury of persons or animals, or damage to property, for which the manufacturer cannot be held responsible.

- On opening the packaging, check carefully to make sure the appliance

is intact and that there are no signs of damage. If in any doubt, do not use the unit and contact your service reference.

- The appliance must be placed on a stable, flat surface (we recommend to install the appliance at an height between 80 and 100 cm from the floor).

It is possible to level the appliance by changing the height of the 4 feet. To increase the height of the feet, turn them counterclockwise (from bottom). Carry out this by adjusting the feet one by one, starting from the rear. It should be enough to adjust only one foot [Figure B].

- Before plugging in the appliance, make sure the voltage and frequency values of the supply mains correspond to the technical data indicated on the label positioned on the bottom of the grinder.
- The wall socket must be fitted with an efficient earth contact. Consequently, it is essential to make

sure the earth system is efficient and in conformity with current safety rules. If in any doubt, have the system thoroughly checked by personnel with the appropriate professional skills.

It is compulsory to earth the appliance. The manufacturer cannot be held responsible in the event this regulation is not complied with.

- It is essential to make sure the ratings of the system are suitable for the power absorbed by the appliance - as indicated on the label featuring the technical data - and that the wall socket is protected against overcurrents.
- Do not use extension cables, plug adapters for multiple sockets or makeshift connections.
- The appliance is suitable for indoor use only. Do not install the appliance outdoors.
- For an optimal functioning of the appliance a room temperature range from 15°C to 35°C is suggested.

- Thoroughly clean the appliance at the first installation; follow the instructions in chapter 8.
- The appliance is not suitable for installation in an area where a water jet could be used.
- For the correct use of the grinding blades, at the first installation or whenever the grinding blades have been replaced, grind some doses of coffee. Do not use those first doses.
- A minimum clearance of 15 cm (6.0 inches) is required between the grinder and any adjacent walls (or other adjacent appliances). Frontal side must be open.
- Do not install the appliance near to water dispenser or similar product that could throw water jet on the appliance.
- If required, the power cord can be shortened, proceed as follows: loosen the pin by turning it counterclockwise, remove the back base cover, pass the power cord through the cover and fit it in to the dedicated compartment, located in

the appliance base [Figure C]. Once obtained the correct length place back the base cover: first couple the cover on the upper side and then place it on bottom side. Fix the back base cover by screwing the relevant pin.

5. WARNING OPERATION

REGARDING

- Do not leave the appliances turned ON without coffee in the hopper.
- Do not insert, when filling the hopper with coffee beans, foreign objects. Handle with clean hands.
- After any hopper filling and in normal use of the appliance, the hopper lid must be positioned correctly.
- When adjusting the grind (grind setting point), do not put the grinding blades (burrs) in touch when motor is turning. This will damage the he grinding blades (burrs) and affect the grind quality.
- Do not use canister other than that supplied, to avoid the risk of ground coffee leakage.

- Before to fill the hopper, do not wet the coffee beans with water, water spray and/or any other liquid

Operating range of the motor

- Observe the duty cycle stated in the label located on the bottom of the appliance.
- Do not exceed the maximum daily quantity of 2kg of ground coffee

6. OPERATION

6.1. Preliminaries

Place the hopper (and its lid) on the appliance by inserting it on its housing [Figure D].

Weigh with a precision scale the amount of coffee beans that you want to grind, pay attention not to exceed the capacity of the canister (approximately 60g / 2,1oz). Fill the hopper with the coffee beans previously weighed.

Turn the locking slide counter-clockwise to open it, remove the lid, ensure the hopper is empty and fill it with the pre-weighed coffee beans, then replace the lid.

If the amount of coffee added does not exceed 25g / 0.9oz, it is advisable to fully close the locking slide, turning it clockwise until it reaches the stop.

Place the canister under the outlet duct for ground coffee. The canister will be automatically pulled by magnets on the optimal position [Figure E].

6.2. Switching the appliance on and off

In order to start grinding turn the switch to I.

Once all the coffee introduced into the hopper has been ground, pull and release the duct knocker repeatedly, don't dampen it or stop it on its run back, until all the ground coffee

inside the duct has been discharged [Figure F].

Then stop grinding by turning the switch to O.

Remove the canister and pour the ground coffee in the filter for the preparation of the beverage.

6.3. Adjusting grinding

In order to achieve finer or coarser grinding turn the adjustment disk. Increase the number shown on the adjustment disk to increase the coarseness of the ground coffee [Figure G].

Act on the adjustment disk preferably without any coffee between the grinding blades. Grind small amounts of coffee in order to determine the optimal level of fineness.

These are our recommended adjustment ranges for the most common coffee preparations:

10÷40 Espresso;

50÷80 Moka;

80÷120 Filter.

If the percolation of the beverage is very fast it means that the coffee is ground too coarsely. If, however, the percolation is very slow it means that the coffee is ground too finely. Please also consider that there are multiple conditions that may affect the proper percolation, such as the weight of the dose and the cleaning of the filters.

7. CLEANING

The appliance must not be cleaned using water jets. Do not install the appliance in rooms where water jets are used for cleaning.

Use perfectly clean, disinfected cloths or brushes for cleaning.

Do not use abrasive products as these are liable to take the sheen off shiny parts. Do not use alcohol or solvents on coloured components, on plastic components and where are written indications or trademarks.

7.1. General cleaning

Clean the external surfaces of the appliance using a smooth cloth in the brushing direction (if the component is brushed).

7.2. Clean the outlet duct for ground coffee

Make sure the hopper is empty and the grinding is complete. Insert the specific tool into the outlet duct to the end, start the grinding and turn for some seconds the tool alternately in both the directions (clockwise and counterclockwise) until the stop [Figure H]. Switch off the grinding, remove the cleaning tool and turn it upside down to allow the coffee ground collected to come out. Then wash the cleaning tool with using mild soap and water, rinse abundantly with lukewarm water and dry thoroughly.

It is advisable to clean the outlet duct for ground coffee after each use.

The grinder is equipped with a specific housing for the cleaning tool [Figure I].

7.3. Hopper and canister cleaning

Wash the hopper, its lid and the canister once they have been removed from the appliance, using neutral soap and water, rinse abundantly with lukewarm water and dry thoroughly.

Canister and Hopper (except its lid) can be washed in dishwasher.

It is recommended to clean weekly the hopper and the canister.

7.4. Grinding system cleaning

Remove the hopper and the front cover from the grinder. Unscrew the 2 pins and remove the entire blade holder assembly using the relevant handle [Figure J]. It is recommended to hold with both hands the blade holder assembly during extraction.

Thoroughly clean the blade holder assembly, the grinding blades and the entire grinding system, using a dry brush and cloth.

To ensure a perfect alignment of the grinding blades and achieve an ideal grinding, it is recommended to thoroughly clean all mating surfaces.

After repositioning the blade holder assembly in its seat, screw the 2 pins to the end. Refit the hopper and the front cover before using the appliance again.

It is recommended to clean weekly the grinding system.

8. MAINTENANCE

The replacement of the grinding blades is needed whenever a decline in quality/quantity of the ground coffee is observed. It is recommended to use original spare parts only.

Contact skilled technical personnel:

- In case of failure or malfunction of the appliance.
- For the grinding blades replacement.
- For the other operations described in this chapter.

8.1. Adjustment disk zeroing

Make sure the grinder is clean and switched off (follow the instructions in chapter dedicated to the cleaning). Remove the calibration block by turning it counterclockwise. Then remove the adjustment disk by pulling it [Figure K]. Turn the inner gear (arrow direction in the Figure K) until the grinding blades are almost in contact.

Reposition the adjustment disk. Make sure that the zero is aligned to the adjustment index.

If it is not possible to align the zero to the adjustment index, remove the three fixing screws of the inner gear, rotate it by 60° and refix the screws [Figure L].

Then refit the calibration block and fix it by turning clockwise keeping the adjustment ring in zero position.

Move the adjustment disk to a coarser position before starting to grinding.

8.2. Stepped to Stepless conversion

It is possible to remove the adjustment disk steps to achieve a stepless adjustment.

Make sure the grinder is clean and switched off (follow the instructions in chapter dedicated to the cleaning). Remove the calibration block by turning it counterclockwise. Then remove the adjustment disk by pulling it. After unscrewing the three fixing screws, remove the inner gear.

Remove the three spring plungers pushing them out from the inside, using a tool like a thin stick [Figure M].

In order to avoid accidental and not desired movements of the grinding adjustment disk, it is possible to customize the strength of the adjustment. Place the adjustment gasket, looking at the reference protrusion, at the desired number from 0 to 5, where: 0 corresponds to null strength and 5 to maximum strength. It is advisable to increase the strength gradually [Figure N].

Reposition the inner gear and and fix it with relevant screws. Then proceed to the grinding adjustment disk zeroing.

8.3. Noise level

European Union

The daily personal noise exposure of a worker, due ONLY to an appliance's limit operation of 240 minutes per eight hours, is 74dB(A) $\pm$ 2.2dB(A) (valued as acoustic pressure).

According to European Directive 2003/10/EC, during the appliance's normal operation, no provisions are to be taken in order to prevent such risks arising or likely to arise from noise exposure at work.

USA & Canada

The noise level of our appliances is included within the limits stated in U. S. regulation 29 CFR 1910. 95 ('Occupational Health and Environment Control - Occupational noise exposure') for eight hours continuously in a day (in reference to a noise exposure due solely to appliance operation).

Said noise level has been determined on identical new appliances.

8.4. Safety devices

Thermal overload protection

The appliance's motor is protected against overheating resulting from overcurrents by a thermal overload protection which, when tripped, cuts off the power supply to the motor. Should the protection trip as a result of anomalous operation, such as the grinding blades jamming, the appliance must be turned off using the on-off switch, unplugged from the mains, and skilled technical personnel contacted. Never perform any work on the appliance while it is attached to the mains, to avoid the risk that motor turns on suddenly. If the appliance overheats as a result of the motor stopping, allow the appliance to cool down before performing any repair work.

Microswitch

The system that protects against accidental contact with the rotating parts of the grinding system consists of a microswitch, situated under the body of the appliance, that cuts the electricity to the motor [Figure O].

9. DISPOSAL

Do not litter: dispose of the packaging materials according to the laws in force.

Should you decide not to use the appliance any more, remember to unplug it so that it cannot be used, and then cut the cable in the point where it comes out of the appliance.

Contact specialized firms for information on the disposal of the components of the appliance.

INFORMATION FOR USERS RESIDING IN THE EUROPEAN UNION

Pursuant to art. 26 of Legislative Decree of March 14, 2014, no. 49: "Implementation of Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE)".



The crossed bin symbol shown here and on the equipment or its box indicates that, at the end of its useful life, the product (EEE) must be collected separately from other waste, with prohibition of disposal with mixed waste.

For more information, visit www.mazzer.com.

10. EC DECLARATION OF CONFORMITY

for appliance with CE mark

We

MAZZER LUIGI S.p.A.
Via Moglianese, 113
30037 Gardigiano di Scorzè (VE)
– ITALIA –

create and maintain the technical file of the equipment this statement relates to.

Scorzè (VE), 20/2/2025

The legal representative



Ing. Giovanni Mazzer

declare under our responsibility that the product:

PHILOS coffee grinder

to which this declaration relates is in conformity with the following standards or other normative document(s):

- EN ISO 12100:2010
- EN 60335-1:2012 + A11 + A13 + A1 + A2 + A14 + A15 + A16 (2023)
- EN IEC 60335-2-14:2023+A1:2023
- EN IEC 55014-1:2021
- EN IEC 55014-2:2021
- EN IEC 61000-3-2:2019+A1(2021)
- EN 61000-3-3:2013+A1+A2(2022)
- EN 62233:2008

following the provisions of the Directives:

2014/35/EU, 2006/42/EC, 2014/30/EU, 2011/65/EU,
2012/19/EU

and Regulations:

1935/2004/EC, 10/2011/EU, 2023/2006/EC, 1907/2006/EC

We also state that the signer is also the person designated to

11. UK DECLARATION OF CONFORMITY

for appliance with UKCA mark

We

MAZZER LUIGI S.p.A.
Via Moglianese, 113
30037 Gardigiano di Scorzè (VE)
– ITALIA –

declare under our responsibility that the product:

PHILOS coffee grinder

to which this declaration relates is in conformity with the following standards or other normative document(s):

- EN ISO 12100:2010
- EN 60335-1:2012 + A11 + A13 + A1 + A2 + A14 + A15 + A16 (2023)
- EN IEC 60335-2-14:2023+A1:2023
- EN IEC 55014-1:2021
- EN IEC 55014-2:2021
- EN IEC 61000-3-2:2019+A1(2021)
- EN 61000-3-3:2013+A1+A2(2022)
- EN 62233:2008

following the provisions of the UK Legislation:

Electromagnetic Compatibility Regulations 2016, Electrical Equipment (Safety) Regulations 2016, Supply of Machinery (Safety) Regulations 2008

The technical documentation for the machinery is available from the manufacturer.

Scorzè (VE), 20/2/2025

The legal representative



Ing. Giovanni Mazzer

TUTORIAL



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