

Mahlkönig X54 home grinder FAQ part 1 (general)

General

Some facts about the X54

- Developed in Switzerland in 2019/2020; start of production in Q1 of 2021

What is special about the X54

- The X54 is one of few grinders that combines real espresso fine grinding (ca. 200 um) and filter grinding (500um and above) in one machine with easily interchangeable front modules
- The X54 offers four predefined recipes that can be adjusted to user requirements
- The X54 uses 54mm flat special steel discs for gentle grinding and best taste
- The X54 emits very low noise while grinding at less than 70 dB(A)

How do I adjust the portafilter holder to the portafilter of my espresso machine?

- Please follow the operating instructions, or:
- Remove the portafilter module
- Turn over the portafilter module and loosen the screw of the bottom portafilter support part with a standard screw driver. Once loose, adjust its height until the portafilter of the espresso machine fits tightly into the portafilter module.
- Fasten the screw and remove the filter holder
- Place the portafilter module back into the X54 grinder and fasten it securely
- The portafilter holder should now fit tightly and allow for “hands free” grinding

What is the capacity of the hopper of the X54?

- Appr. 500g / 1.1lbs

What is the weight of the X54?

- Net weight: appr. 5kg / 11 lbs

What is the grind speed of the X54?

- Appr. 1 g/s (finest grinding for espresso)
- Appr. 2.5-2.8 g/s (coarse grinding)

Which factors does the grind speed of the X54 depend on?

- Origin and type of coffee (e.g. arabica, robusta, etc.),
- Size and hardness of beans, degree of roasting and cooling method after roasting (i.e. moisture content of the bean)
- Cleaning status of grinder
- Other external influences (humidity, temperature, etc.).

Mahlkönig X54 home grinder FAQ part 2 (general)

Which functions are included in the X54 software?

- 4 preconfigured grinding-by-time recipes (2 for espresso (single/double); 2 for filter (single cup & litre))
 - Adjustable to user preferences
- Manual on-demand grinding
- Sleep timer
- Disc lifetime monitor
- Security switch off of the motor when bean hopper is not mounted
- WiFi for usage statistics and error logs (for service technicians)
- See operating instructions

Where is the X54's ON/OFF switch?

- The X54 ON/OFF switch is located at the back of the grinder where the power cable exits the housing
- The X54 takes approximately 3-5 seconds to fully boot

The display of my X54 is on, the motor does not start. What can I do?

- If the Error message E001 is displayed the motor does not start because the bean hopper is not mounted correctly
- The hopper has to click-in completely for the motor to start operating. To mount correctly, push down the bean hopper and push through the stainless steel bean slider until the hopper is locked into place
- When new, the hopper fixation will be a bit tight, which will wear down after some repetitions

Which repairs may I carry out without losing warranty?

- As described in the user manual, the grind chamber may be opened for cleaning or checking for foreign objects
- IMPORTANT: Any warranty claim is void in any of the following cases:
1. The grinder casing was removed
 2. Electronic components were changed or tampered with
 3. The grinder was obviously manipulated or changed
 4. Improper use (other materials than coffee were ground).

How and how often should I clean my grinder?

- Your grinder should be cleaned approx. once a week. Cleaning intervals are highly dependent on intensity of use, type of beans and grinding degree
- We recommend GRINDZ to clean your grinder – please follow the user manual for specific directions

How do I empty my grinder to switch coffee beans

- Pull out the bean hopper slider until the indication marking is visible – “closing” the hopper while leaving it firmly attached. Now operate the grinder normally until all residual beans in the grinder neck have been consumed. You can now pull out the bean hopper slider completely to remove the hopper and switch beans.

Mahlkönig X54 home grinder FAQ part 3 (motor)

Motor

What is the maximum recommended daily grinding capacity of the X54?

- The X54 is designed for domestic use and not intended for high-volume professional environments such as cafés
- Maximum daily grinding capacity is approximately 1.7kg but depends on bean type, grinding degree and the power frequency.
IMPORTANT for USA: users in UL-Region (USA) must limit the cumulative product use-time per year to less than 100 hours (see UL 982 cl. 1.1. & National Electrical Code ANSI/NFPA 70.)

How fast does the motor of the X54 turn in rotations per minute?

- The motor turns at approx. 10.000 RPM; the grinding discs turn at approx. 1.000 RPM (all depending on various influences on the grind speed)

Which voltages/frequencies is the X54 available in?

- 220–240 V; 50/60 Hz (Rest of World)
- 110–127 V; 60 Hz (USA)
- 100 V; 50/60 Hz (Japan)

Can I run my X54 in different power and frequency systems?

- The motor and the electrical power boards are designed especially for the respective mains network and should not be used with different voltages. It could result in blockade, over-heating or major defects in the electronic boards in the grinder

What is the electrical current consumption of the X54?

- max 1.5-2.5 A when grinding, depending on voltage and frequency

What is the electrical power consumption of the X54?

- appr. 120W

Mahlkönig X54 home grinder FAQ part 4 (grinding)

Grinding discs

What is the material and diameter of the X54 discs?

- Mahlkönig special steel 54mm flat discs

What is the lifetime of the X54 discs?

- The lifetime of the X54 discs is >500kg due to high abrasion resistance of the steel in use. Only stones or other hard pieces can damage the discs

Can I exchange the discs of the X54?

- Changing the discs of the X54 is only necessary when a stone or other hard foreign particles have damaged the discs
- An exchange due to wear and tear is easily possible but not expected to be necessary

Can I grind turkish fine with my X54?

- The X54 is designed to grind fine espresso all the way up to coarse coffee for French press
- Even at the finest setting the discs will not be able to grind very fine, flour-like coffee powder needed for Turkish preparation
- Turkish fine grinding requires demanding conditions of discs, disc casing and motor made from high precision and stable materials

Can I change the grind adjustment without starting the grinder?

- Changing the grind adjustment from fine to coarse is possible also when the grinder is not running
- Readjusting from coarse to fine is not possible when beans are blocking the grinding mechanism. Using force to change the setting to fine could damage the adjustment levers or – even worse – the disc casing, therefore we always recommend to start the grinder first when adjusting from coarse to fine

Which grind size settings are recommended for common grinding recipes?

- Depending on the coffee, the method of extraction and your preferred taste, we recommend the following settings
 - Espresso 01-05
 - Caffee Crème 05-15
 - Filter coffee 15-25
 - FrenchPress >25

What is the maximum fineness the X54 can achieve?

- • At the finest setting, the X54 grinds coffee to an average particle size of ca. 200µm.

How loud is the X54?

The X54 emits less than 70 dB(A) while grinding