



EIBENSTOCK

Elektrowerkzeuge

Original Instructions



EHR 23 / 2.4 S





WARNING:

This product can expose you to chemicals including **METHANOL**, which is known to the State of California to cause birth defects or other reproductive harm.

For more information, go to:
www.P65Warnings.ca.gov

Important Instructions

Important instructions and warning notices are allegorated on the machine by means of symbols:



Before you start working, read the operating instructions of the machine.



Work concentrated and carefully. Keep your work-place clean and avoid dangerous situations.



In order to protect the user, take precautions.

During work you should wear goggles, ear protectors, dust mask, protective gloves and sturdy work clothes.



Use ear protection



Wear safety goggles



Use protective gloves



Wear a dust mask

Technical Data

Stirrer EHR 23 / 2.4 S

Rated voltage:	120 V ~	
Rated current:	14,5 A	
Frequency:	50 / 60 Hz	
No Load Speed:	I	0 - 440 rpm
	II	0 - 970 rpm
Load Speed:	I	0 - 250 rpm
	II	0 - 580 rpm
Max. basket diameter:	180 mm	
Thread connection:	M 14i	
Protection class:	II	
Degree of protection:	IP 20	
Net weight:	about. 15,2 lbs.	
Order number:	07702000	

Interference suppression: EN 55014 and EN 61000

Supply

Stirrer with stirring rod Mand operating instructions in a set box

Application for Indented Purpose

The Stirrer **EHR 23 / 2.4 S** is designed for use in mixing material of high viscosity, such as prefab mortar and plaster, cement, lime, concrete, quartz-filled epoxy resins, screed, pastes, sealing compounds as well as gypsum and granulates in batches up to 80 kg. The diameter of the used stirring rods should not exceed 180 mm.

Safety Instructions



Safe work with the machine is only possible if you read this operating instruction and the safety instructions completely and follow the instructions contained strictly. Additionally, the general safety instructions of the leaflet supplied with the tool must be observed. Prior to the first use, the user should absolve a practical training.



If the connection cable gets damaged or cut during the use, do not touch it, but instantly pull the plug out of the socket. Never use the tool with a damaged connection cable.



Do not expose power tools to rain or wet conditions.

Water entering a power tool will increase the risk of electric shock.

- Do not use the tool near explosive materials (petrol, dilution).
- Modifications of the tool are prohibited.
- Always check the tool, cable and plug before use. Have damages only repaired by specialists. Only insert the plug into the socket when the tool switch is off.
- When the machine runs outside, always use a protection switch (30 mA max.) against fault current.
- The machine should only work under supervision of somebody. Plug and switch the machine off if it is not under supervision, e. g. in case of putting up and stripping down the machine, in case of setting up and striking, voltage drop or when fixing or mounting an accessory.
- Switch the machine off if it stops for whatever reason. This way, you avoid that it starts suddenly and not under supervision.
- Do not use the machine if one part of the housing is damaged or in case of damages on the switch, cable or plug.
- Electric tools have to be inspected by a specialist in regular intervals.
- Do not touch rotating parts.
- Persons under 16 years of age are not allowed to use the tool.
- Before starting up, check that the mixing rod is securely attached and rotates without a hitch.
- Do not reach into the mixing container with your hands or insert any other objects into it while mixing is in progress. Risk of crushing!
- Wait until the machine or tool comes to a complete standstill. Rotating tools can snag and cause injuries or damage.
- **When working with this machine wear ear protectors, goggles, dust mask and protective gloves.**



· **During use, always hold the machine with both hands and maintain a safe standing position. Start up and run down the machine in the mixing container only. Pay attention to the reaction moment of the machine.**

For further safety instructions, please refer to the enclosure.

Electrical Connection

Before starting the machine, please check the correspondence between voltage and frequency against the data mentioned on the identification plate. Voltage differences of + 6 % and – 10 % are allowed.

The Stirrer **EHR 23 / 2.4 S** is made in protection class II. Only use extension cables with a sufficient cross section. A cross section which is too small could cause a considerable drop in performance and an overheating of machine and cable.

Recommended extension cord sizes for use with portable electric tools:

Length of Cord in Feet										
110 V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.	500 Ft.	
Nameplate Ampere Rating	0-2	18	18	18	16	16	14	14	12	12
	2-3	18	18	16	14	14	12	12	10	10
	3-4	18	18	16	14	12	12	10	10	8
	4-5	18	18	14	12	12	10	10	8	8
	5-6	18	16	14	12	10	10	8	8	6
	6-8	18	16	12	10	10	8	6	6	6
	8-10	18	14	12	10	8	8	6	6	4
	10-12	16	14	10	8	8	6	6	4	4
	12-14	16	12	10	8	6	6	6	4	2
	14-16	16	12	10	8	6	6	4	4	2
	16-18	14	12	8	8	6	4	4	2	2
	18-20	14	12	8	6	6	4	4	2	2

The tool includes a start-up speed limiter to prevent fast expulsion fuses from unintended responding.

Tool Change



Attention!

Before any work on the tool, disconnect the plug from the mains!

When inserting the tool, you could catch your hands. For this reason, always wear protective gloves for changing the tool.

The work spindle of the machine has an M 14 - internal thread. Keep threads and front surface clean.

Please hold up with a jaw wrench 22 to remove the stirring rod.

Tool Protection

Wrong handling can cause damages on the tool. Therefore, the following instructions should be observed:

Only use stirring rods which have a M 14 – external thread (diameter 180 mm max.) and are recommended by the producer.

Do not allow blocking of the tool.

Only use original accessories made by EIBENSTOCK.

Speed Selection

The machine is equipped with a mechanical two-speed gearbox. Select the required speed by pressing-in, shifting and engaging. The position of the lower speed is in direction of the working spindle. Change the speed only when the machine is not running, and support the speed-changing by slightly rotating the work spindle.

Switching on and off

Short-Time Operation

Switching-on: press the on/off switch

Switching-off: release the on/off switch

Permanent Operation

Switching-on: press the on/off switch and, keeping it pressed, engage the lock button

Switching-off: press the on/off switch and let release it again

Attention!



In case of every stop of the machine or a power cut, the lock-on button has to be released immediately by pressing the ON/OFF switch. So you can avoid an unintentional restart of the machine (physical hazard).

The Stirrer **EHR 23 / 2.4 S** is equipped with an electronic switch. With this switch the speed can be regulated according to the pressure on the button. Only use the electronic switch when you want to start or stop the machine in order to avoid material splashing around. A permanent use with reduced speed can cause an overload because the motor then gets less cooling air and therefore the machine will be overheated much faster.

Care and Maintenance



Before the beginning of maintenance or repair works you have to disconnect the plug from the mains.

Repairs may be executed only by appropriately qualified and experienced personnel. After every repair the machine has to be inspected by an electric specialist. Due to its design, the machine needs a minimum of care and maintenance. However, the following points always have to be observed:

- Always keep the power tool and the ventilation slots clean.
- During work, please pay attention that no particles get inside the machine.
- In case of failure, a repair has to be carried out by an authorised service workshop.

Environmental Protection



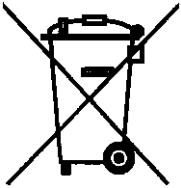
Raw Material Recycling instead of Waste Disposal

In order to avoid damages on transportation, the tool has to be delivered in solid packaging. Packaging as well as unit and accessories are made of recyclable materials and can be disposed accordingly.

The tool's plastics components are marked according to their material, which makes it possible to remove environmental friendly and differentiated because of available collection facilities.

Only for EU countries

Do not dispose of electric tools together with household waste material!



In observance of the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Noise Emission / Vibration

The indication of noise emission is measured according to UL 62841-2-10. The level of acoustic pressure on the work place could exceed 85 dB (A); in this case protection measures must be taken.



Wear ear protectors!

The typical hand-arm vibration is below 2.5 m/s².

Measured values determined according to UL 62841-2-10.

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

Warranty

According to the general supply conditions for business dealings, suppliers have to provide to companies a warranty period of 12 months for redhibitory defects. Otherwise, the legal warranty period of 24 months applies. (to be documented by invoice or delivery note)

Damage due to natural wear, oversteering or improper handling are excluded from this warranty.

Damages due to material defects or production faults shall be eliminated free of charge by either repair or replacement.

Complaints will be accepted only if the tool was returned in non-dismantled condition to the manufacturer or an authorized Eibenstock service centre.

Declaration of Conformity

We declare under our sole responsibility that the product described under "Technical Data" is in conformity with the following standards or standardization documents:

UL 62841-1, UL 62841-2-10

EN 55014-1, EN 55014-2

EN IEC 61000-3-2, EN 61000-3-3

EN IEC 63000

according to the provisions of the directives 2011/65/EU, 2004/108/EG, 2006/42/EG

Technical file (2006/42/EC) at:

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21.11.2025

Your Distributor

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