



# EIBENSTOCK

## Elektrowerkzeuge

### Original Instructions



**EHR 23/1.4 R**





## Important Instructions

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



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



**Work concentrated and carefully. Keep your workplace clean and avoid dangerous situations.**



**In order to protect the user, take precautions.**

During work you should wear goggles, ear protectors, protective gloves and sturdy work clothes!



**wear ear protectors**



**wear goggles**



**wear protective gloves**

## Specifications

### Stirrer EHR 23/1.4 R

Rated Voltage:	120 V ~
Rated Current:	14,5 Amp
Rated Speed:	100 – 300 rpm

Frequency:	50 / 60 Hz
Max. Basket Diameter:	6 ½"
Thread Connection:	M 14 female
Protection Class:	II
Degree of Protection:	IP 20
Net Weight:	about 15 lbs.
Interference Suppression:	EN 55014 and EN 61000

## Supply

Stirrer with paddle MG 160 and operating instructions in a cardboard box

## Application for Indented Purpose

The Stirrer **EHR 23/1.4 R** is designed for use in mixing of prefab plaster, gypsum, lime, concrete and other building materials of medium and high viscosity in batches up to 200 lbs.

The diameter of the used stirrer should not exceed 6 ½". The work spindle of the machine has a M 14 – female thread. Keep the threads and rims clean. Please hold up with a jaw wrench 22 to remove the paddle.

## Safety Instructions



**Safe work with the machine is only possible, if you read these operating instructions completely and strictly follow the instructions contained herein.**

**In addition, the general safety instructions in the enclosed brochure have to be observed. Take part in a practical introduction before the first use.**



**If the connection cable is getting damaged or cut during the work, don't touch it, but instantly pull the plug out of the socket. Never use the machine with 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 for mixing materials either in danger of explosion or easily inflammable.**

- Do not carry the tool at its cable.
- 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.
- Modifications of the tool are prohibited.
- When the machine runs outside, always use a protection switch (30 mA max.) against fault current.
- The machine should only run under supervision of somebody.
- Pull the plug and switch the machine off if it is not under supervision, e. g. in case of setting up and stripping down the machine, in case of 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.
- Always lead the cable to the back, away from the machine.
- Do not use the machine if a part of the housing is damaged or in case of damages on the switch, the connection cable or plug.
- Power tools have to be inspected by a specialist in regular intervals.
- Keep the handles dry, clean and free of oil and grease.
- Do not touch rotating parts.
- Be careful with long hair. Only work with close-fitting clothes.
- Persons under 16 years of age are not allowed to use the machine.
- **When working with this machine wear ear protectors, goggles and protective gloves.**



- **During use, always hold the machine with both hands and maintain a safe standing position. 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 23/1.4 R** 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.

If an extension cord is used, make sure the conductor size is large enough to prevent excessive voltage drop which will cause loss of power and possible motor damage. A table of recommended extension cord sizes will be found in this section. This table is based a limiting line voltage drop to 5 volts at 150 % of rated amperes. If an extension cord is to be used outdoors it must be marked with the suffix W-A following the cord type designation. For example — SJTW-A to indicate it is acceptable for outdoor use.

*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	

**Tool Protection**

Wrong handling can cause damages on the tool.

Therefor, please always observe the following instructions:

Use only stirring rods recommended with M 14 – internal thread (diameter 6 ½” max.) which are recommended by the producer.

Do not allow blocking of the tool due to overload.

**Only use original accessories made by EIBENSTOCK.**

## 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!**



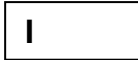
**In case of every stop of the machine or a power cut, the lock-on button has to be released immediately by pressing the ON/OFF switch. So you can avoid an unintentional restart of the machine (physical hazard).**

## Full Wave Electronic System

The **EHR 23/1.4 R** is equipped with an electronic, which realises the following functions:

- Infinitely variable speed adjustment with the controller speed

Position



**slow**

Position



**fast**

## 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

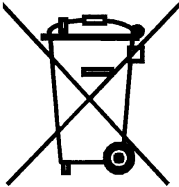


### Raw material recycling instead of waste disposal

To avoid damages on transportation, the power tool has to be delivered in a sturdy packing. The packing as well as the tool and its accessories are made of recyclable materials which makes it possible to remove environmental friendly und 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/s<sup>2</sup>.  
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 our general terms of delivery for business dealings, suppliers have to provide to companies a warranty period of 12 months for redhibitory defects (to be documented by invoice or delivery note).

Damages 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 is 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, 2014/30/EU, 2006/42/EG

Technical file (2006/42/EC) at:

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