



# EIBENSTOCK

## Elektrowerkzeuge

### Original Instructions



**EHR 18.1 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](http://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 Characteristics

### Stirrer EHR 18.1 S

Rated voltage:	120 V ~
Rated current:	9,5 A
Frequency:	50/60 Hz
No Load Speed:	0 - 850 rpm
Load Speed:	0 – 480 rpm
Max. basket diameter:	4,5"
Thread connection:	M 14 i
Protection class:	II
Degree of protection:	IP 20
Net weight:	about. 9 lbs
Order number:	077E4000

Interference suppression: EN 55014 and EN 61000

### Special Accessory:

Article	Order No.
Round Stirring Rod RG 120	31124000
Helicon Ribbon Stirring Rod WG 120	31224000
Disc Stirring Rod SG 120	31524000
Mortar Stirring Rod MG 120	31324000
... with M 14 thread connection	

## Supply

Stirrer with stirring rod and operating instructions in a set cardboard box.

## Application for Indented Purpose

The Stirrer **EHR 18.1 S** is designed for use in mixing paint, glue, tile cement, filler, mortar and other media in batches up to about 40 kg.

The diameter of the used stirring rods should not exceed 4,5".

## 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.



The machine must neither be wet, nor be used in humid ambient conditions.

- 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.
- 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 check the correspondence between voltage and frequency according to the data mentioned on the identification plate. Voltage differences from + 6 % and – 10 % are allowed.

The mixer is made in protection class II.

Only use extension cables with a sufficient cross-section. A cross-section which is too small could lead to an excessive power loss and to an overheating of motor 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 on 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:*

<b>Length of Cord in Feet</b>										
	110 V	25 Ft.	50 Ft.	100 Ft.	150 Ft.	200 Ft.	250 Ft.	300 Ft.	400 Ft.	500 Ft.
<b>Nameplate Ampere Rating</b>	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 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 a 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, please always observe the following instructions:

Only use stirring rods with M14 - internal thread which are recommended by the producer.

**Please consider the max. basket diameters.**

Do not allow blocking of the tool.

**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 arrestor button

Switching-off: press the on/off switch and let it go off 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 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. Permanent use with reduced speed can

## 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

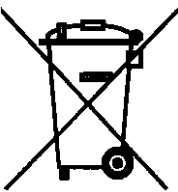


**Raw Material Recycling instead of Waste Disposal**

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 EN 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 EN 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. (to be documented by invoice or delivery note)

Damage due to natural wear, overstressing 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, 2014/30/EU, 2006/42/EG

Technical file (2006/42/EC) at:

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