



EIBENSTOCK

Elektrowerkzeuge

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EHR 18.1 S SET



Technical Data

Stirrer EHR 18.1 S SET

Rated voltage:	230 V ~	110 V ~
Rated power input:	1100 W	1100 W
Rated current:	4,7 A	10,1 A
Frequency:	50 - 60 Hz	
No Load Speed:	800 rpm	
Load Speed:	0 – 450 rpm	
Max. basket diameter:	120 mm	
Thread connection:	M 14	
Protection class:	II	
Degree of protection:	IP 20	
Net weight:	about. 4,1 kg	
Order number:	077E1000	

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 120 mm.

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.
- The mixing container must be suitable for mixing and must stand securely. A container that is not properly secured may move uncontrolled.
- Ensure that no liquid splashes against the housing of the power tool. Liquid that has penetrated the power tool can cause damage and lead to electric shock.
- Follow the instructions and warnings in the Material Safety Data Sheets (MSDS) of the material to be mixed. Material to be mixed may be harmful.

- In the event of a power interruption, release the locking switch by pressing the on/off switch. This will prevent the power tool from restarting unintentionally (risk of injury).
- **Do not use the power tool in a stand.**
- **When working with this machine wear ear protectors, goggles, dust mask, protective gloves and protective boots.**



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.

Recommended minimum cross sections and maximum cable lengths

Mains voltage	Cross section in sq. mm	
	1.5	2.5
110V	20 m	40 m
230V	50 m	80 m

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 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

Measured sound values determined according to EN 60745.

Typically the A-weighted noise levels of the product are:

Sound pressure level L_{WA} 79 dB(A)

Sound power level L_{pA} 90 dB(A)

Uncertainty K 3 dB



Wear ear protectors!

Vibration total values a_h and uncertainty K determined according to EN 60745:

Vibration emission value a_h 1,4 m/s^2

Uncertainty K 0,1 m/s^2

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, 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.

CE 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:

EN 60 745

according to the provisions of the directives 2011/65/EU, 2014/30/EU, 2006/42/EG

Technical file (2006/42/EC) at:

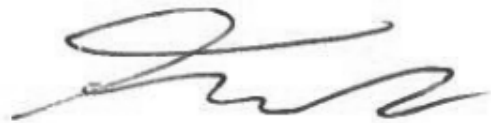
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