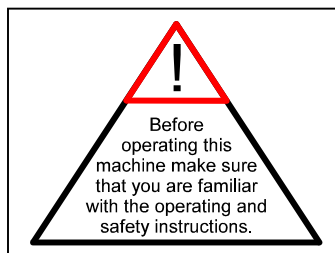


MODEL EHR 15 SB MIXER



OPERATING MANUAL



Operating Instructions

Important Safety Instructions

Important instructions and warning notices are put 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 ear protectors, goggles, protective gloves and sturdy work clothes.



wear ear protectors



wear goggles



wear protective gloves

Technical Characteristics

Hand-Held Mixer EHR 15.1 SB, EHR 15/2 SB

Rated voltage:	230 V ~	110 V ~
Rated power input:	1000 W	1000 W
Nominal Current:	4.6 A	9.2 A
Order No.		
EHR 15.1 SB	0711H	0711I
EHR 15.1 SB + WG 120	07760	07765
EHR 15/2 SB	07121	07122
EHR 15/2 SB + WG 120	07757	

Frequency: 40 - 60 Hz
 Maximum basket diameter: 120 mm
 Collet: M 14 i
 Protection class: II
 Degree of protection: IP 20
 Weight
 EHR 15.1 SB: about 3.1 kg
 EHR 15/2 SB: about 3.7 kg
 Interference suppression: as per EN 55014 and EN 61000

Speed	Load speed EHR 15.1 SB	Load speed EHR 15/2 SB
1	0 – 450 rpm	0 – 430 rpm
2		0 – 760 rpm

Special Accessory:

Article	Order No.
Round Stirrer RG 120	31124
Helicon Ribbon Stirrer WG 120	31224
Disc Stirrer SG 120	31524
Mortar Stirrer MG 120	31324
... with M 14 thread connection	

Supply

Machine: Mixer with operating instruction in a carton box.
Set: Mixer with stirrer and operating instruction in a set carton box.

Application for Indented Purpose

This hand-held mixer is designed for use in mixing bigger quantities of liquid media, such as paint, glue, tile cement and others up to 40 kg.
The diameter of the used stirrers should not be bigger than 120 mm.
The working spindle of the machine has an M 14 – female thread.
Always take care for the cleanness of the thread and the rim. Please hold up with a jaw wrench SW 22 to remove the stirrer.

Safety Instructions



Safe work with the machine is only possible if you read this operating instruction 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 connecting cable is getting damaged or severed during the work, don't touch it but pull the mains plug immediately. Never use the machine with damaged connecting 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.
- Modifications of the tool are prohibited.
- Check the machine, cable and plug prior to every use of the tool. Have damages eliminated only by an authorised specialist. Take care that the tool is switched off when the plug is inserted into a connector socket.
- In the open the machine only has to be used with a fault-current circuit breaker with max. 30 mA.
- Do not leave the machine running unattended.
- Pull the mains plug, and check that the tool is switched off if it is left without surveillance, for example for assembly and dismantling works, in the case of stress dropping, for the insert or assembly of accessory parts.
- Switch the machine off if it stops for whatever reason. So you will avoid that it starts suddenly and not under supervision.
- Do not use the machine if a part of the housing is damaged or in case of damages on the switch, the connecting cable, or plug.

- Power tools have to take an examination at regular intervals through an authorised service workshop.
- Do not touch rotating parts.
- Persons under 16 years are not allowed to use the machine.



- **When working with the machine wear hearing protects and suitable goggles and protective gloves.**
- **During use, always hold the machine with both hands and maintain a safe stance. Pay attention to the reaction moment of the machine.**

For further safety instructions, refer to the enclosure.

Electrical Connection

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

The mixing machine is made in protection class II.

Only use extension cables with a sufficient cross-section (min. 2,5 mm²). A cross-section which is too small could lead to an excessive power loss and to overheating of motor and cable.

Tool Protection

A wrong handling can result in damages.

Hence, the following instructions should be observed:

Use only paddles recommended from the producer with M 14 – internal thread (diameter max. 120 mm).

Do not allow blocking of the tool due to overload.

Speed Selection

The **EHR 15/2 SB** is equipped with a mechanical two-speed gearbox. Select the required speed by pressing-in, shifting and engaging again the gear switch. Slower speed is the position towards to the work spindle. Only change the speed when the machine is not running. You can possibly support the speed selection by moving the work spindle slightly.

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 it go off again

Attention!

Use the lock button only when using a stand. In the case of any stopping of the machine or current interruption the lock button has to be released immediately by pressing the on/off switch, to prevent an unintentional restarting of the machine (danger of injuries)

The mixing machine is equipped with an electronic switch. With this switch the speed can be regulated according to the pressure on the button. The use is only recommended for the starting and running out of the machine to avoid particles flying around. A permanent operating with reduced speed will lead to an overload, as less cooling air will then be available for the motor and therefore this 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 2002/96/EC 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

The indication of noise emission is measured according DIN 45 635, part 21. The level of acoustic pressure on work site could exceed 85 dB (A); in this case protection means must be used.



Wear ear protectors!

The typical hand-arm vibration is below 2.5 m/s^2 .
Measured values determined according to EN 50 144.

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.