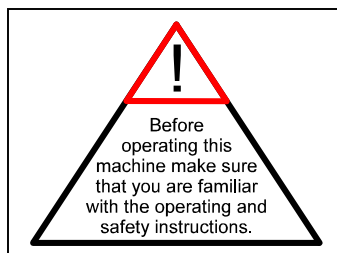


## MODEL EBS 125 CONCRETE GRINDER



## OPERATING MANUAL



# Operating Instructions

Concrete Grinder      EBS 125.3 O  
EBS 125.3 RO

## Technical Characteristics

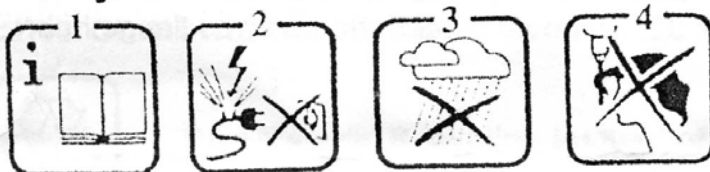
rated voltage:	110 V AC
rated power input:	1500 W
frequency:	40 - 60 Hz
load speed EBS 125.3 O:	10,000 rpm
load speed EBS 125.3 RO:	4,300 - 10,000 rpm
protection class:	II
degree of protection:	IP 20
interference suppression:	as per EN 55014 and EN 61000
collet	M14
weight (net):	approx. 4.1 kg

This machine is meant for professional use only !

The conformity with the 73/23/EEC and 89/336/EEC guidelines is indicated by the CE symbol.

All rights of changes due to technical development reserved.

## Safety Instructions



1. Safe work with the machine is only possible if you read this operating instruction completely and strictly follow the instructions contained herein.
2. 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 power receptacle.
3. The machine must neither be wet, nor be used in humid ambient conditions.
4. Don't use the machine without protection cover.  
**Use machine with partly removed dust cover in corners only, for other applications the dust cover must be closed always.**

5. Use only appropriate diamond grinding cup wheels.
6. Be sure that you will not damage electric mains, gas or water pipes in your working area.
7. Lead the power cable off the machines to the back.
8. During use, hold the machine always with both hands and maintain a safe stance.
9. Always consider the reaction moment of the machine.
10. Before all works at the machine, make sure that the plug is off the mains socket.
11. Persons under 16 are not allowed to use the machine.

**For further safety instructions, refer to the enclosure.**

## Instructions for Use

To avoid risks for health, the concrete grinder EBS 125.3 O / EBS 125.3 RO must be used with connected vacuum cleaner (connection  $\varnothing$  36mm).

For best working results: Don't put too much pressure on the tool.

For grinding works right into edges of the wall one segment of the dust guard can be removed due to chucking device. This enables the working also on usually inaccessible places.

**Attention ! All other grinding works have to be done with the completed dust guard.**

The machine is equipped with full wave electronic for slow start, overload protection and constant speed.

**In case of sudden overload because of too high contact pressure, the machine will indicate that by slowing down automatically. Continuing of work with low speed is not possible until the machine is relieved of load. The electronic accelerates the speed up to the normal load speed and work can be continued immediately then.**

When continuous overload is applied a thermal protection will protect the motor from destruction by switching off the machine. In this case the machine can be restarted only after a cooling time of approximately 3 to 5 minutes.

### ***Exchange of Diamond Grinding Cup Wheel***

Release the removable front part of the dust cover. The spindle must be held under the grinding cup wheel by the enclosed wrench SW 32. Remove/ tighten the screwed flange hub by the double pin-type wrench.

### ***Exchange of Brush Ring***

If the height of the brushes is - caused by wearing - lower than 5mm it has to be replaced.

Therefore remove the three fixing screws and pull the rotary brush out. Afterwards the new brush ring has to be forced in and fixed with the three screws.

## Putting into Operation

The operating voltage must correspond with that indicated on identification plate.

## 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

## Speed Control

The **EBS 125.3 RO** is equipped with a **speed control**. The selecting wheel is on the handle.  
**position 1 → slow ... position 7 → fast**

## Care and Maintenance

Due to its design, the machine needs a minimum of care and maintenance.

### Nevertheless, you should always observe the following:

- Keep the electric tool clean.
- Do not allow any foreign matters to pass inside the tool.
- After approx. 300 hours of operation, the carbon brushes have to be checked by a specialist. If they are shorter than 5 mm, they must be replaced by new, original brushes. They must be run in by a 20-min idle run of the tool. Also the condition of the commutator must be checked. In case of irregular colouring of the individual blades and surface crashes, send the tool to a service workshop.
- Cleaning of gearbox and motor is needed after approx. 500 hours of operation. Since this is the time of a general check of all components, send the tool to a service workshop.

## Environmental Protection



### Raw Material Recycling instead of Waste Disposal

In order to avoid damages on transport, the tool has to come in a stable packing. Packing as well as unit and accessories are made of recyclable materials and can be disposed accordingly.

Plastic components are marked; this enables environmentally friendly and differentiated removal through the available collecting facilities.

## Noise Emission

The indication of noise emission figures is basing on DIN 45 649, part 2, DIN 45 635, part 21, and DIN EN 27 574 (ISO 7574).

- noise level ( $L_{WA}$ ) (94+3) dB re 1 pW  
working place-related emission figure ( $L_{pA}$ ) 84 dB  
for idle run as per DIN 45635 - 21 - KL 2
- noise level ( $L_{WA}$ ) 88 dB re 1 pW  
working place-related emission figure ( $L_{pA}$ , cyc) 79 dB  
for substitute run with load (without workpiece machining) as per DIN 45635

## Warranty

Tools from Eibenstock are covered by a warranty according to the legal and national regulations (to be verified by invoice or delivery note).

Damages caused by natural wear, overload and incorrect use are excluded from warranty.

~~Only damages in the result of material and manufacturing faults will be eliminated free of charge, either by replacement or by repair.~~

Complaints will be recognised only when the tool was transferred in assembled condition to the supplier or one of Eibenstock's authorised service workshops.













