

AREBOS

Concrete grinder

AR-HE-XM 1500



Please follow all security measures in this user's manual to ensure a secure use.



Thank you for trusting AREBOS.

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Please read and save these instructions. Read through this user's manual carefully before using this product. Protect yourself and others by observing all safety information, warnings and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.

1. Safety instructions

1.1 Explanation of the symbols



By means of a CE marking, it can be recognized that a product complies with the legal requirements of European legal standards and therefore may be traded within the European Community.



This product **must not** be disposed of with household waste!



Housing protected by isolation (Protection class II).



Warning! Wear safety glasses!



Warning! Wear ear protection!



Warning! Wear face protection!



Warning! Wear protective gloves!



This product has been tested and certified by TÜV Süd. The symbol “GS” stands for tested safety. Products marked with this symbol comply with the requirements of the German Product Safety Act (ProdSG).

1.2 Safety rules

- This device is intended for domestic use.
- While using the device near to children there is a need of supervision.
- Do never use or place the device in a wet environment.
- Do never use the device under water, i. ex. under the shower.
- Let the device never touch directly fire, gas, oxygen or other hot objects, i. ex. hotplates.
- Turn the device off before any repair and maintenance.
- Treat the device well and do not let it fall or getting damaged by other causes.
- If there are any problems at the device, put it in repair immediately. Do not try to repair it by yourself.
- Do not wash or lubricate the device.

General safety rules:

1.2.1 Safety work area

- Keep your work area clean and well lit. An untidy work area can lead to accidents.
- Do not use power tools in potentially explosive atmospheres containing flammable liquids, gases or dust particles. Electric tools produce sparks that can ignite flammable vapors.
- Keep the tool away from children and other persons during use. You may lose control of the equipment if distracted.

1.2.2 Electrical safety

- To use the tool, it is necessary that the plug of the tool is connected to the mains. The plug must not be changed or modified in any way.
- During use, avoid physical contact with grounded surfaces such as pipes, heaters, stoves and refrigerators. There is an increased risk of electric shock if your body is earthed.
- Keep the device away from rain or moisture. Penetration of water into the inside of a tool may result in electric shock.
- Do not misuse the cable. Do not use the cables to carry, pull or disconnect the power tool. Keep the cable away from heat, oil, sharp edges, or moving parts. Damaged or tangled cables increase the risk of electric shock.
- When working with an outdoor power tool, use only extension cords that are suitable for outdoor use. Using an extension cord suitable for outdoor use will reduce the risk of electrical shock.
- If operation of the power tool in a humid environment is unavoidable, protect yourself by using a circuit breaker RCD. Using a circuit breaker RCD reduces the risk of electric shock.

1.2.3 Safety of persons

- Be attentive, pay attention to what you are doing and go to work with common sense. Do not use power tools if you are tired or under the influence of drugs, alcohol or medication. A moment of carelessness while using the appliance can lead to serious injury.
- Use personal protective equipment. Always wear eye protection, safety equipment such as masks against dust, sturdy safety shoes, protective helmet or ear protection to reduce the possibility of injury under appropriate operating conditions.
- Avoid unintentional starting of the device. Make sure that the switch is in the off position before switching on the unit. A key in a rotating part can cause injury.
- Do not overestimate yourself. Only use the device in a safe position and keep your balance at all times. This allows better control of the tool in unexpected situations.
- Dress appropriately. Do not wear loose clothing or jewelry. Keep hair, clothing and gloves away from moving parts. Loose clothing, hair and jewelry can be caught by moving parts.

1.2.4 Commissioning and maintenance

- Do not overload the tool. Use the correct tool for the specified application.
- Disconnect the unit from the power supply before making any adjustments, such as changing accessories. Such preventive safety measures reduce the risk of uncontrolled starting of the tool.
- Keep your tool out of the reach of children and persons who cannot operate the tool according to these instructions. Tools in the hands of inexperienced users are dangerous.
- Maintain the tool. Check that there is no misalignment of spare parts or moving parts. Many accidents are caused by poorly maintained tools.
- Use tools, accessories and blades etc. in accordance with this manual, taking into account the working conditions. The use of the tool for applications other than those intended can lead to dangerous situations.

1.2.5 Maintenance and service

Have the tool serviced by a qualified service technician who only uses identical spare parts. This ensures that the safety of the tool is maintained.

1.3 Special safety instructions

- This power tool is to be used as a remediation milling machine. Observe all safety instructions, illustrations and data provided with the unit. Improper use of the power tool may result in electric shock, fire and/or serious injury.
- This power tool is not suitable for grinding, sand paper grinding, wire brushing, polishing and cut-off grinding. Use in areas where the power tool is not intended may cause hazards and injury.
- Only use accessories specifically designed and recommended by the manufacturer for this power tool. Even if you can attach other accessories to your power tool, this does not guarantee safe use.
- The permissible speed of the power tool must be at least as high as the maximum speed indicated on the power tool. Accessories that rotate faster than permitted can break and fly

around.

- The outside diameter and thickness of the insert tool must correspond to the dimensions of your power tool. Incorrectly dimensioned insert tools cannot be adequately shielded or controlled.
- Grinding wheels, flanges, grinding discs or other accessories must fit exactly on the grinding spindle of your power tool. Tools that do not fit 100% on the power tool may cause uneven rotation and/or strong vibration resulting in loss of control.
- Only use tools that are in perfect condition. Before each use, check your insert tools for chipping and cracking, or abrasion. If the power tool or insert tool falls, check that it has not been damaged or use an undamaged insert tool. When you have inspected and used the insert tool, you and persons in the area should stay outside the level of the rotating insert tool and run the unit at maximum speed for one minute. Damaged insert tools often break off during this testing period.
- Wear personal protective equipment. Depending on the application, use full face protection, eye protection and/or safety goggles. If appropriate, wear a dust mask, hearing protection, protective gloves or special apron to keep small material particles away from you. Eyes should be protected from foreign objects generated by various applications. Dust or respiratory masks must filter the dust. If you are exposed to loud noise for a long time, you may suffer hearing loss.
- Keep other people at a safe distance from your work area. Everyone entering the work area must wear personal protective equipment. Fragments of the work piece or broken insert tools can fly off and injuries outside the immediate work area.
- When working with tools that may hit hidden power lines or your own power cord, hold the unit only by the isolated grip surfaces. Contact with a live cable can also put metal parts of the device under voltage and lead to an electric shock.
- Keep the power cord away from rotating tools. If you lose control of the equipment, the power cord may be severed or caught, resulting in your hand or arm getting caught in the rotating tool.
- Never remove the power tool before the unit has come to a complete standstill. The rotating insert tool may come into contact with the storage surface, causing you to lose control of the power tool.
- Do not let the power tool run while you are carrying it. Your clothing may be caught by accidental contact with the rotating insert tool, which may cause the insert tool to drill into your body.
- Clean the ventilation slots of your power tool regularly. The motor fan draws dust into the housing and a large accumulation of metal dust can cause electrical hazards.
- Do not use the power tool near flammable materials. Sparks can ignite these materials.
- Do not use tools that require liquid coolant. Use of water or other liquids may result in electric shock.

1.4 Recoil and corresponding safety instructions

A recoil is a sudden reaction due to a hooked or blocked rotating insert tool. Hooking or blocking leads to an abrupt stop of the rotating insert tool. This accelerates an uncontrolled power tool against the direction of rotation of the insert tool at the blocking point. If an insert tool becomes stuck or blocked in the work piece, the insert tool that is plunging into the work piece may become entangled, causing the insert tool to break out or cause a recoil. The insert tool then moves toward or away from the operator, depending on the direction of rotation of the insert tool at the blocking point. In this case, tools can also break. A setback is the result of incorrect or faulty use of the power tool. This can be prevented by taking appropriate precautions as described below.

- Hold the power tool firmly and move your body and arms to a position where you can absorb the recoil forces. Always use the additional handle, if available, to have maximum control over recoil forces or reaction moments during acceleration. The operator can take appropriate precautions to control the recoil and reaction forces.
- Never place your hand near rotating tools. The insert tool can move over your hand in the event of a recoil.
- Avoid with your body the area into which the power tool is moved in the event of a recoil. The backstroke drives the power tool in the opposite direction to the movement of the insert tool at the blocking point.
- Work especially carefully in the area of corners, sharp edges, etc. Prevent insert tools from bouncing off the work piece and jamming. The rotating insert tool tends to jam at corners, sharp edges, or when it bounces. This causes a loss of control or recoil.
- Do not use a chain or toothed saw blade. Such insert tools cause often a setback or loss of control of the power tool.

Warnings

- Never bring the device into direct contact with water or other liquids.
- Do not touch the device with wet hands.
- Operate the device only with the specified mains voltage.
- Always unplug the appliance after use and before cleaning.
- If the appliance has fallen into water, do not reach for it! First disconnect the mains plug from the socket.
- Do not store the appliance near a washbasin or bathtub as there is a risk of it falling into a washbasin or bathtub.
- To avoid any risk of injury, blocking or damage to the appliance, make sure that the running appliance does not come into contact with clothing, cords, laces, bristles, wires, threads or the like.
- Never leave the appliance unattended when it is used by children or untrained persons.
- Do not allow children to play with the unit.
- Use the device only for applications as described in this manual.
- Only use attachments and accessories approved by the manufacturer.
- Never use the appliance after the power cord has been damaged, the appliance has fallen or come into contact with water.
- This equipment is not intended for use by persons (including children) with limited physical, sensory or mental capabilities, experience and/or knowledge unless they are supervised by a person responsible for their safety and have received instructions on how to use the equipment.
- Do not use under blankets or pillows as excessive heat may cause fire, injury or electric shock.
- Do not carry the product by the cord or use the cord as a handle.
- When you exit the application, unplug the power cord.
- Do not use the extension cord unless you are satisfied that it is in good condition.
- Never let children play with the packaging material. There is a danger of suffocation.

2. Use

2.1 Torque switching:

To switch on, hold down the power button, to switch off, release it again.

2.2 Long-term use:

- Turn on: Press the on/off switch and hold it in position with the lock button after pressing it.
- Switch off: Press the on/off switch again before releasing it to release the lock.

Attention!

The locking knob must be released immediately by pressing the on/off switch each time the machine comes to a standstill or the power supply is interrupted, thus preventing the machine from restarting unintentionally.

2.3 Height adjustment:

The AR-HE-XM150 concrete / refurbishment grinder has a height-adjustable protective hood. This can be individually adjusted as follows:

(IMAGE)

- Switch off the device and disconnect the power supply.
- Loosen the three wing screws.
- Pull the brush ring down until the depth stop can be turned.
- Set the desired milling depth.
- Slide the brush ring upwards.
- Tighten the wing screws.
- Check the strength of the protective hood before starting work.

2.4 Changing of the tools:

Attention!

The mains plug must be disconnected before carrying out any work on the device! In addition, the indexable inserts may be hot. Always wear protective gloves! If the turnstile has been damaged, it may only be replaced by a specialist workshop.

Make sure that you use gloves and do not cut yourself at the milling.

(Image)

- Loosen the three wing nuts from the height adjustment. Remove the brush rim and the height adjustment.
- Loosen the M8 screw at the bottom of the tool with an Allen key.
- **Attention it is a left hand thread!**
- Hold the sleeve for the turnstile with the stars and the thrust washers. Renewal of the milling stars.

Attention! Only hexagon socket head screws with screw locking applied may be used.

The dust generated during grinding could cause the millings stars to tilt. The result is a reduced removal rate or increased wear. Ensure that the stars remain freely movable and loosen them. If necessary, clean the device more frequently.

2.5 Extraction and dust protection:

Working on some surfaces may produce harmful dust which may cause allergic reactions if inhaled or in contact with skin. These include: Materials containing lead paint, some typed of wood, minerals or metals. Therefore, use the dust extraction device and always wear a dust mask.

Installation of the extraction:

- Connect the short piece (1) to the suction device of the concrete grinder and connect it to a hose.
- Connect the longer end piece (2) to the end of the hose and connect it to a vacuum cleaner.

(Image)

3. Technical data

Type of device	Concrete grinder
Number of rotations	2500-4500 U / min
Power supply	230-240 V / 50 Hz
Diameter of milling head	125 mm - 140 mm
Nominal capacity	1500 Watt
Protection class	II
Degree of protection	IP 20
Weight	ca. 5,30 kg
Sound pressure level	LpA = 90,4 dB(A), KpA = 3 dB(A)
Sound power level	LWA = 101,4 dB(A), KWA = 3 dB(A)

Sudden changes in temperature should be avoided due to the formation of condensation inside the unit. After a sudden change in temperature, do not use the unit until the indoor and outdoor temperatures have equalized.

The specified vibration emission value has been measured according to a standardized test procedure and can be used to compare one power tool with another.

The specified vibration emission value may also be used as an initial estimation of exposure. The vibration emission value during actual use of the power tool may differ from the declared value depending on the manner in which the power tool is used.

Try to keep the vibration load as low as possible. Examples of measures to reduce vibration are wearing gloves when using the tool and limiting working time. All parts of the operating cycle must be taken into account (e.g. times when the power tool is switched off and times when it is switched on but runs without load).

4. Maintenance and care

Pending repairs may only be carried out by qualified personal. The device has been designed in such a way that only a minimum of care and maintenance is required.

Respect the following aspects:

- Always keep the power tool and ventilation slots clean.
- When working, make sure that no foreign objects get inside the power tool.
- In the event of failure of the unit, repairs may only be carried out by an authorized workshop.

5. Transport and storage conditions

An abrupt temperature change must be avoided due to possible condensation on the device. For this reason, do not operate the device until the temperature has been adjusted.

Transport	Only transport in original package
Temperature of transport and storage:	+ 5 ° C to + 50 ° C
Operating temperature	+ 10° C to + 40° C
Air pressure	700 - 1060 hPa

6. Disposal instruction

6.1 Disposal of the packaging

- Please make reference to the guidelines and standards for appropriate disposal of the packaging valid in your region. In part, the package may consist of plastic bags – watch this respect, with special care to ensure that this is not out of the reach of children. There is a risk of suffocation!

6.2 Disposal of waste equipment

- Equipment must be disposed of in accordance with the rules and regulations of the local waste disposal.

6.3 Meaning of the “dustbin”



Protect our environment; electrical appliances do not belong in household waste. Use the provided for the disposal of electrical equipment collection points and enter your electrical and electronic equipment that you no longer use. They help ensure that the potential effects of incorrect disposal on the environment and human health to be avoided. So, do your part to recycle, recycling and other forms of recovery of waste electrical and electronic equipment. Information on where the device is disposed of, please contact your local authorities or local Governments.

Our customer service number: +49 (0) 931-45232700

EU Declaration of Conformity

We,

Canbolat Vertriebs GmbH, Gneisenaustraße 10-11, 97074 Würzburg, Germany,

Hereby declare that the product named below, seen its design and construction as well as according to our sales, has been complied with the relevant and basic health and safety EU-requirements.

Name of the product: Arebos Concrete grinder

Art. Nr.: 4260199752364

Model Nr.: AR-HE-XM 1500

If the product has any modification not allowed by us, this declaration loses its validity.

Tested acc. to:

EU Standard:

EN 60745-1: 2009/A11:2010

EN 60745-2-3: 2011/A12:2014

AfPS GS 2014:01 PAK

Date/Manufacturer Signature/Location:

Würzburg, 26.04.2019



Identification of the signatory:

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