

EN

LISSMAC

CONSTRUCTION TECHNOLOGY

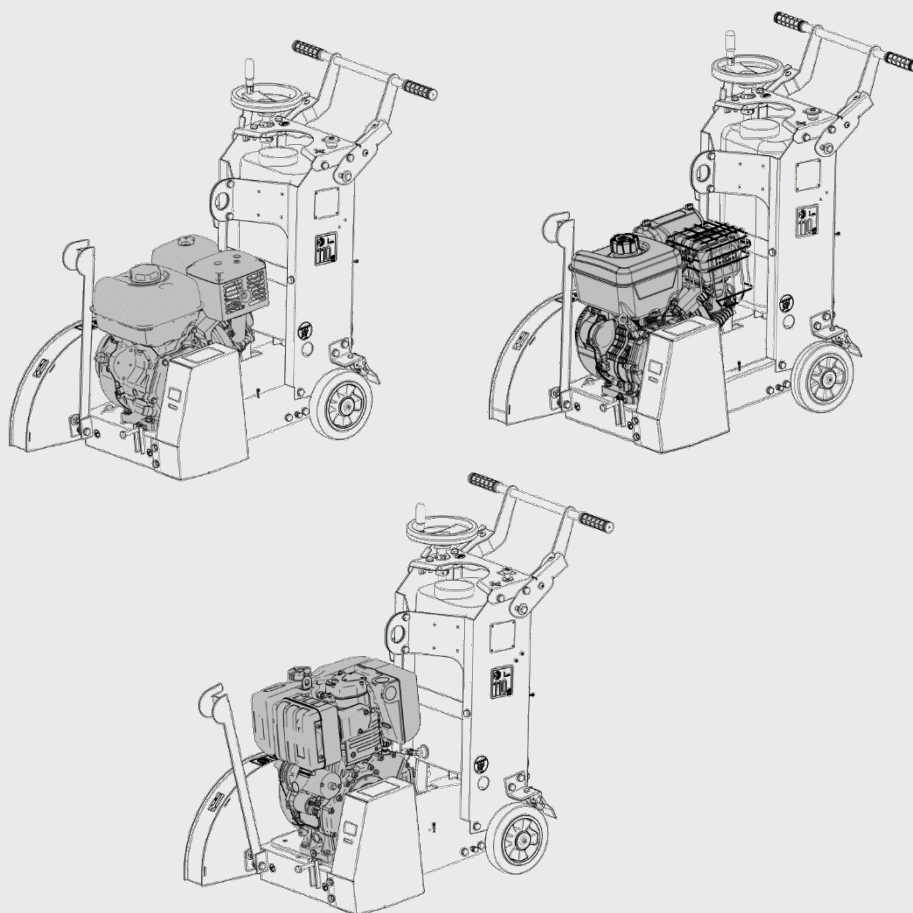
OPERATING INSTRUCTIONS

FLOOR SAW

COMPACTCUT 202 D

COMPACTCUT 202 P

COMPACTCUT 202 PV



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Legal notice

The operating manual is valid for:
LISSMAC joint cutter.

- COMPACTCUT 202 D / P / PV

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Keep this Operating Manual for later use!

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BASIC SAFETY INSTRUCTIONS

Warning information and symbols in this manual



SIGNAL WORD

Type and source of hazard

Consequences if not observed.

- Measures to take to avert the danger.

The signal word after the hazard symbol indicates the level of danger:



DANGER

This indicates an extremely dangerous situation. If the situation is not avoided, it will likely result in fatal injuries. The hazard symbol may give details of the danger.



WARNING

This indicates a potentially dangerous situation. If the situation is not avoided, it may result in fatal or serious injuries. The hazard symbol may give details of the danger.



CAUTION

This indicates a hazardous situation. If the situation is not avoided, it may result in moderate or minor injuries. The hazard symbol may give details of the danger.

NOTICE

This signal word indicates a situation that involves hazards for objects. If the situation is not avoided, it may result in property damage. The signal word is used without a hazard symbol.



Important information is marked with an "i".

Requirement for the operator to take action:

1. The specific sequence of steps facilitates the proper and safe handling of the machine.
- Instructions to the operator without a specific sequence

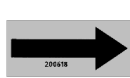


The warning notices in this Manual cannot cover every possible hazardous situation.

LISSMAC cannot predict all possible hazards.

As with any other machine, the relevant safety rules and precautionary measures regarding procedure and operation must be followed.

The following warning and safety instructions are used:

	Read and follow the operating manual		Automatic start-up of the cutting tool upon start-up of motor
	Wear hearing protection		Warning of hot surfaces
	Wear eye protection		Danger of suffocation due to toxic gases
	Wear protective gloves		Do not relocate the machine outside of the cutting zone while the saw blade is rotating.
	Wear protective helmet		Set ignition switch to 0
	Wear suitable work clothes and wash dusty clothes		No smoking due to fire hazard
	Attachment point for crane transport		Access by authorized personnel only.
	Wear dust mask		Do not use pressure washers.
	Warning of crushing hazard		Harmful substances: Fine silica dust
	Warning of suspended loads		Work with rotating saw blade forbidden
	Warning of extremely flammable fuel vapors		Check the drive belts
	Warning of serious cutting injuries from rotating saw blade.		Direction of travel of the saw blade
	Warning of serious crushing and cutting injuries from running belt drive		Visual check
	Warning of moving parts Wait until standstill.		Spray-on grease
	Warning of ejected parts		Grease gun
	Warning of cutting hazard at the rotating tool		Notice to prevent damage
	Sound-power level of the machine		Lashing point for vehicle transport

OPERATING INSTRUCTIONS

Preface

This Operating Manual should make it easier to become familiar with the machine and facilitate its use in accordance with its intended possible applications.

The Operating Manual contains important information on how to operate the machine in a safe, proper, and economical manner. Compliance with it will help to avoid dangers, repair costs and downtimes and increase the reliability and service life of the machine.

The operating manual is to be supplemented by instructions based on existing national regulations on accident prevention and environmental protection.

The operating manual must be available at the location of the machine at all times.

The operating manual must be read and applied by every person who is commissioned with work on the machine e.g.:

Operation, including set-up, troubleshooting during the work process, elimination of production waste, care, disposal of operating and auxiliary materials.

Maintenance, (servicing, inspection, repair) and/or transport

.

In addition to the operating manual and the binding regulations for accident prevention which apply in the user's country and at the place of use, the acknowledged rules for safe and correct working practice must also be observed.

Tools required

A tool in the form of a saw blade is required for operating the joint cutter. These tools can be purchased from the manufacturer.

Changes and reservations

We have taken every effort to ensure that this operating manual is correct and up to date. In order to maintain our technological lead, it may be necessary to make modifications to the product and to its operation without notice. We accept no liability for faults, downtime and resulting damage.

Target Group

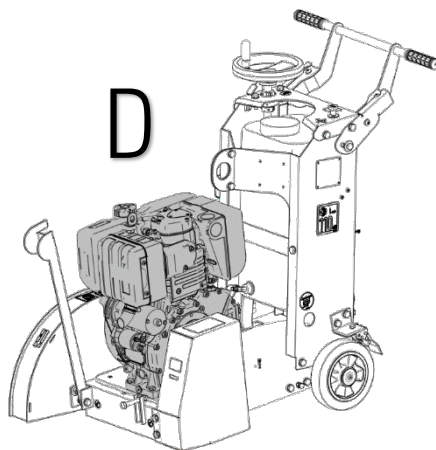
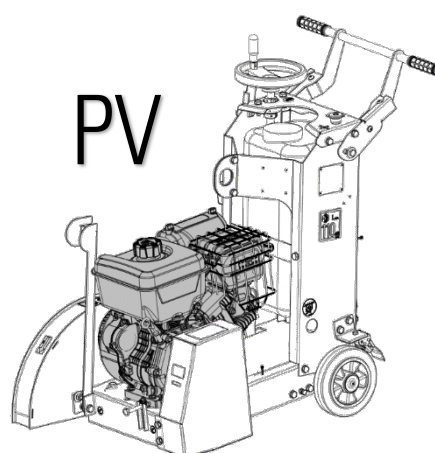
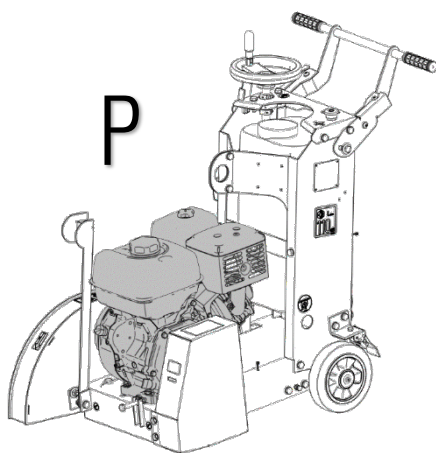
This Operating Manual is aimed at trained, skilled personnel in the fields of building mechanics, concrete cutting technology, road construction, building construction and civil engineering.

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1. FEATURES & BENEFITS

- Floor saw with a robust, compact design.
 - The saw blade is lowered and raised continuously via a threaded spindle, which prevents damage to the saw blade.
 - Cutting depth display adjustable with all tool diameters.
 - A large water tank reduces work interruptions.
 - The saw blade spraying ensures optimal cooling of the saw blade, achieving a higher saw blade tool life.
 - Service friendly – very good accessibility to the motor and to the cutting shaft.
 - Parking brake as standard.
 - Height-adjustable, vibration-damped handles for comfortable operation.
-



2. GENERAL SAFETY NOTES

2.1. Purpose: intended use

Intended use	The manufacturer and supplier do not accept any liability for incorrect or non-intended use. Any modification to the machine not carried out by the manufacturer is forbidden. Changes due to attachments or conversions to the floor saw are only to be carried out by the manufacturer with written approval. The machine is built according to the state of the art and the recognized safety-related rules. Its use can, nevertheless, result in hazards for life and limb of the user or third persons, as well as damage to the machine and other material assets. The machine must only be used if it is in technically perfect condition and for its intended use, with an awareness of safety and potential dangers and as set out in the Operating Manual. Always resolve faults which may impair safety, or have them resolved, immediately. The LISSMAC floor saw is a type of floor cutting grinder and is designed exclusively for cutting joints in concrete or asphalt. The floor saw may only be operated by one person. The operator must stay behind the push rods when cutting. Any other use or use beyond this is deemed non-intended. Proper use also includes compliance with the operating instructions and compliance with the inspection and maintenance instructions.
Improper use	Foreseeable misuses / non-intended use: • Cutting without blade guard • Cutting without water • Cutting on steep slopes • The cutting of narrow radii • Cutting loose material • Cutting wood, plastics, or metal (except reinforced concrete) • Design modifications which alter the safety or design type of the floor saw

2.2. Organizational Measures



This Operating Manual must be kept within easy reach for everyone at the place of use.

Supplements to the operating manual include general statutory and other binding regulations for preventing accidents and protecting the environment and must be obeyed.

Such regulations may also deal with, for example, the handling of hazardous substances, the wearing of personal protective equipment and with road traffic regulations.

The personnel assigned to work on the machine must have read and understood the Operating Manual, and especially the chapter on Safety instructions, before beginning the work. This particularly applies to personnel who only work on the machine occasionally, for example set-up and maintenance personnel.

Regularly check the safety- and hazard-aware work of the personnel in compliance with the Operating Manual.

Always use the required and prescribed personal protective equipment.

Observe all safety and hazard warnings on the floor saw and maintain them in a legible condition. Replace damaged safety and danger notes or those which can no longer be read.

If there are any changes to the machine or operating behavior which may affect safety, stop the machine immediately and put-up warning signs accordingly. Report the fault to the responsible office/person.

Do not make any modifications through extensions or conversions without the manufacturer's written consent. The tool manufacturer's instructions must be adhered to.

Use only checked original spare parts of the manufacturer.

Adhere to prescribed periods for inspection or those specified in the operating manual.

For the implementation of maintenance measures, workshop equipment appropriate for the work is necessary.

Always obtain detailed information on underground cables in the cutting area and take appropriate precautions before cutting.

2.3. Choice of personnel and qualification; fundamental obligations



Operators must be aged 18 or above and they must be mentally and physically capable of operating the floor saw. All persons must be instructed in the operation and be expressly assigned by the employer with the operation of the floor saw.

Establish the responsibilities of the personnel for operation, set-up, service, and repair.

Ensure that only authorized personnel work on the machine.

The operator must wear personal protective equipment such as safety shoes, gloves, safety goggles and hearing protection, which comply with the safety regulations.

Expel persons not working with the machine from the work area. Block access to the work area if necessary.

The operator must ensure with all movements of the floor saw that he does not endanger himself and other persons. All obstructions which hinder the work procedure, or the implementation of the machine must be cleared at the place of work.

Work on the electrical components of the machine may only be carried out by a certified electrician or by persons who are being instructed in such work under the direction and supervision of a certified electrician in accordance with regulations.

The operator must be named as the person responsible for traffic-related regulations and make it possible for him to reject unsafe instructions by third parties.

Only allow personnel being trained, instructed or those completing an apprenticeship to work on the machine under the constant supervision of an experienced person.

2.4. Safety information relating to the phases of use

2.4.1. Transport, assembly and installation



Transport, assembly and installations on/with the floor saws may only be carried out with the motor switched off and the power supply disconnected.

Transport may only take place when all parts on the machine are tightened, and it is not possible for individual parts to fall off.

2.4.2. Commissioning



When fitting the saw blade, protect your hands from sharp edges.

Make sure the substrate that is used for cutting meets the load-bearing capacity. All obstacles must be removed from the cutting area and good lighting must be provided.

Visual check of the entire floor saw for any damage and defects. Separate check of the protective devices.

Keep water supply ready for saw blade cooling.

Smoking is prohibited when refueling the internal combustion engine.

Particular care should be taken when refilling the fuel tank. Engine parts that became hot during operation pose a fire hazard.

Fuel must only be stored in approved containers.

Defective or broken tools must be replaced immediately.

2.4.3. Operation



Refrain from all methods of working which could pose a risk to safety.

Take measures to ensure that the floor saw is only used if it is safe and in functional condition.

Before starting the shift, check the floor saw for externally visible damage and defects! Report any changes that have occurred (including the operating behavior) to the responsible office/person immediately! If necessary, shut the machine down and secure it against being switched on again.

If the floor saw fails to work properly, shut it down immediately and secure it. Have faults eliminated immediately. Electrical work must only be carried out by qualified electricians.

Only use suitable and tested tools.

To protect against acceleration, the depth adjustment of the saw blade must be moved slowly and in steps into the ground. Any contact with the rotating tool must be avoided. Keep a safety distance of 1.5m to the saw blade.

Cutting without the protective hood of the saw blade is prohibited.
The operator must be protected from rotating parts.

2.4.4. Relocating the floor saw



The floor saw may only be relocated when the saw blade is stationary.

Before leaving the operating position on the floor saw, the internal combustion engine must be switched off and the saw blade must be stationary. A rotating saw blade poses a high risk of injury.

The parking brake must always be activated when the machine is not in use.

2.4.5. Special Work While Using the Machine



Comply with the set-up, maintenance and inspection activities and intervals stipulated in this Operating Manual, including information on the exchange of parts/furnishings. These activities must only be carried out by authorized professionals.

When the floor saw has been shut down completely for maintenance and repair work, it must be secured and marked to prevent it being accidentally switched on again.

Before cleaning, cover and seal all openings that cleaning products should not enter for safety and/or functional reasons. Electric motors, switches, and connectors are particularly at risk. Remove the covers/adhesive tape completely after finishing the cleaning work.

Always fasten screw connections securely after maintenance and repair work.

If safety devices must be dismantled for preparation, repair, or maintenance of the machine, they must be mounted and inspected immediately after the duties have been terminated.

No rotating tool, whose maximum speed is lower than the rated speed of the machine, must be used.

2.5. Note Relating to Special Types of Danger

2.5.1. Dangers for the operator from the machine



Before leaving the operating position on the floor saw, the internal combustion engine must be switched off and the saw blade must be stationary.

The internal combustion engine of the floor saw must only be used as intended:
Drive of the floor saw, and the saw blade are put into operation.

The outlet of the exhaust pipe must always point away from the operator. Do not inhale exhaust fumes. The exhaust system gets hot during operation. Avoid contact with it and wear protective equipment.

2.5.2. Dust



With work in confined spaces, observe existing national regulations where applicable.

To prevent dust formation during cutting, the saw blade must be continuously sprayed with water and cooled. Do not eat, drink, or smoke in the work area.

2.5.3. Noise



Damage to hearing is irreversible. Wear hearing protection when working with the machine.

2.6. Transport



Only use a suitable transport vehicle with an adequate load capacity.

Secure the load properly in compliance with the regulations.

The blade drive must be disengaged, or the saw motor must be switched off even if there is a slight change of location.

2.7. Special types of danger

2.7.1. Combustion engine



DANGER



Poisonous exhaust gases

The exhaust gases of the internal combustion engine contain carbon monoxide. Carbon monoxide is an invisible, odorless, tasteless gas which can lead to loss of consciousness and suffocation. It can quickly accumulate in narrow spaces and stay there for hours, even after the engine has been turned off.

- Never operate machines with internal combustion engines in closed or confined spaces
 - If you feel dizzy or uneasy, turn off the engine immediately and go out into the fresh air. Seek medical attention. You may be suffering from carbon monoxide poisoning.
-

2.8. Packaging And Storage

	To ensure sufficient protection during dispatch and transport, the machine and its components were packed carefully. The machine should be checked for damage upon receipt. The packing of the device consists of recyclable materials. Place them into the containers provided for recycling so that they can be recycled. The machine may not be operated in case of damage. Damaged switch actuators also represent a safety risk and must not be used. If the machine is not operated immediately after unpacking, it must be protected from moisture and dirt.
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2.9. Environmental Protection

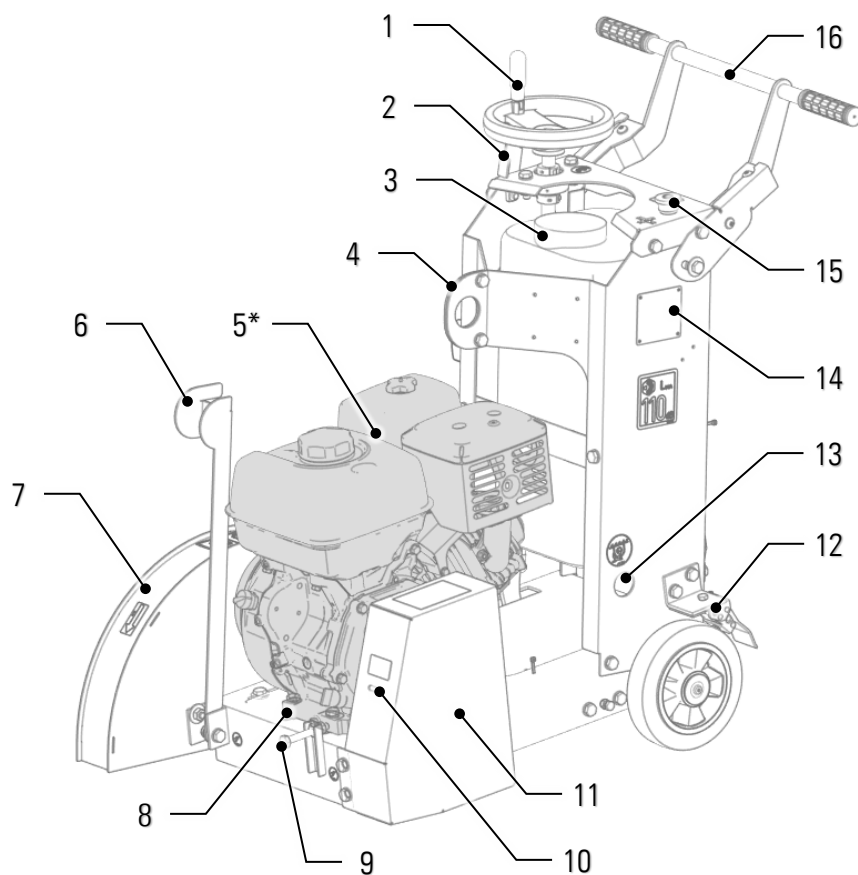
	Packaging material, cleaning agents, used or remaining operating supplies, and unwrapped wear parts, such as drive belts or engine oils, must be recycled in accordance with local environmental regulations.
--	--

2.10. Disposal

	Render the worn-out devices unusable once the period of use has expired, and especially when there are malfunctions. Dispose of the machine according to the environmental regulations valid in your country. Electrical waste must not be dumped in general waste. Take the machine to a central collection point.
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3. DEVICE DESCRIPTION

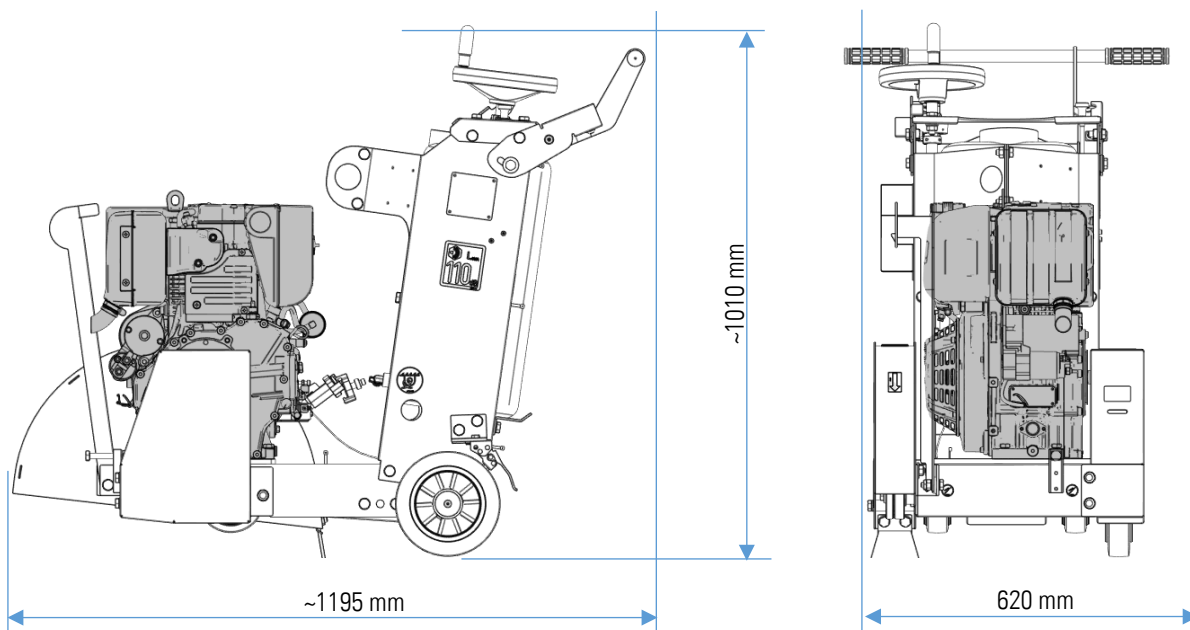
3.1. Names Of the Machine Parts



Pos. 1	Handwheel for setting the depth of cut	Pos. 9	V-belt tensioning bolt
Pos. 2	Handwheel lock	Pos. 10	Opening for checking the belt tension
Pos. 3	Water tank	Pos. 11	Drive belts cover
Pos. 4	Attachment point for lifting gear	Pos. 12	Parking brake
Pos. 5	Motor (P,PV, D)	Pos. 13	Lashing point
Pos. 6	Steering rod	Pos. 14	Nameplate
Pos. 7	Blade guard	Pos. 15	Motor stop switch
Pos. 8	Motor oil drain plug	Pos. 16	Handlebar

3.2. Technical Data

	COMPACTCUT 202 P	COMPACTCUT 202 PV	COMPACTCUT 202 D
Max. cutting depth	200 mm		
Max. saw blade diameter	500 mm		
Saw blade holder	25.4 mm		
Saw blade speed	2500 1/min		2400 1/min
Weight	110 kg		126 kg
Water tank volume	25 liters		
Drive motor	Honda GX	Briggs&Stratton Vanguard	Kohler
Rating	8.7 kW	10.4 kW	7.5 kW
Fuel	Petrol E10 ROZ95		Diesel B7
Tank capacity	6.1 l	5.7 l	4.3 l
Engine oil	10W40		
Cooling	Air cooled		
Dimensions L/W/H	1195/620/1010 mm		



3.3. Sound power level



WARNING

Danger of Hearing Damage

Wearing hearing protection is mandatory for sound power levels above 85 dB (A).

- Wear your personal hearing protection.

NOISE EMISSION VALUES

Specification in accordance with EN ISO 4871

Values determined in accordance with the noise measurement rule according to EN 13862:2021, Annex B

Operating conditions (for Directive 2000/14/EC)	Diameter of the cutting disk 500 mm idling at full engine speed
Single-number measured A-weighted emission sound power level, L_{WA} (related to 1 pW), in decibels (guaranteed value for Directive 2000/14/EC)	CC202P 116 CC202PV 114 CC202D 115
Operating conditions (for Directive 2006/42/EC)	Diameter of the cut-off wheel 500 mm under full load (motor speed at rated power)
Two-number measured A-weighted emission sound pressure level, L_{pA} (based on 20 μ Pa) at the operating position in decibels (value for Directive 2006/42/EC)	CC202P 101 CC202PV 102 CC202D 106
Uncertainty, K_{pA} , in decibels	2,5
The values were determined in accordance with EN 13862:2021, Annex B. These are noise emission values that are suitable for comparison with the specified values of other floor grinders tested to the same standard. These specified values are not noise exposure values. They are not directly suitable for use in risk assessment. The exposure values measured at individual workplaces may be higher. The actual exposure values depend on the operator's mode of operation, the actual operating conditions (in particular the material being processed), the duration of exposure and the machine's place of use.	

3.4. Hand-arm vibration



WARNING



Vibration hazard

Vibration can lead to bone and joint damage, as well as to circulation problems.

- Take regular breaks when working with the machine.

The value given was determined with the maximum saw blade diameter.
The impact may be inversely proportional to the weight of the operator.

Vibration total value:

CC202P $a_{HV} 4,5 \text{ m/s}^2$

CC202PV $a_{HV} 5,8 \text{ m/s}^2$

CC202D $a_{HV} 6,7 \text{ m/s}^2$

The values given were measured while cutting concrete at a cut depth of 5 cm. This value is influenced in practice by the following conditions:

- Quality of the saw blade - Weight of the operator - Composition of the aggregate
- Feed rate - Condition of the machine

4. COMMISSIONING

4.1. Connections and operating materials

Engine oil	Check the oil level before starting up.
Fuel	Check the tank level before commissioning.
Water	Clean water from canister or direct hose connection with max. 5 bar pressure.



These specifications refer to the usual operational and ambient conditions.
Other specifications may be required for use under extreme weather conditions.

4.2. Parking brake



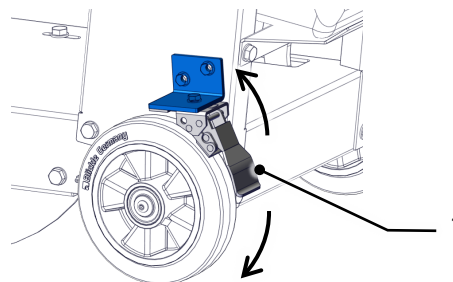
WARNING



Unpredictable change of position of the machine

Crushing due to rolling away of the machine or cutting injuries from the rotating saw blade.

- Activate the parking brake at every stop.
- Switch off the motor before leaving the machine



Sequence



To engage:

- Tread down on the wheel lock (#1) with your foot until it locks into place.

To release:

- Lift the wheel lock (#1) with your foot

4.3. Refueling



WARNING

Fire and explosion hazard

Extremely flammable fuel vapors. Danger of burns or severe injuries from explosion.

- Smoking is strictly forbidden during the process.
- Keep all sources of ignition away.
- Do not overfill tank or spill fuel.
- Only refuel in the open air or in a well-ventilated place



CAUTION

Danger of burns

Burns from touching hot motor parts.

- Do not touch any motor part.
- Wear protective gloves.
- Let the motor cool down before refueling.

NOTICE

Store fuel safely

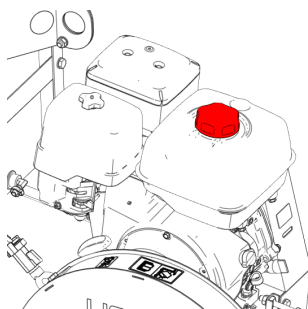
Fuel must only be stored in approved containers.
The containers must be marked accordingly.



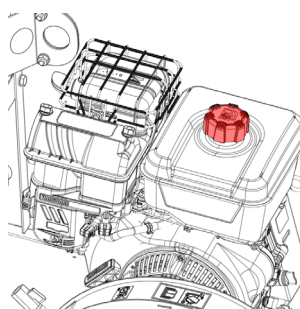
NOTICE

Check fuel type

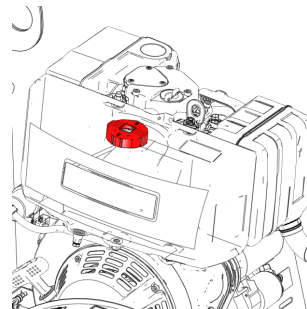
Before refueling, check the engine variant and only fill with the permissible fuel.



Petrol



Petrol



Diesel

Sequence:

- **Stop the motor** and, possible 2min, allow it to cool down.
- Clean the lid on the fuel engine, then open
- Fill with fuel through the filter screen in the opening.
- Only fill up to the filter screen! Do not spill any oil.

4.4. Establish water supply



WARNING

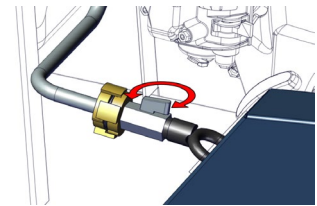


Destruction of the saw blade due to lack of cooling water

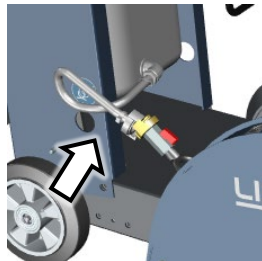
If the saw blade is not supplied with sufficient cooling water for wet cutting, parts may break out and there is a risk of overheating. The grinding dust is not sufficiently bound.

- Always supply saw blade cooling
- Wear personal protective equipment

- Use only clean water to avoid clogging the spray nozzles.
- Regulate water quantity during operation via the hand lever.



Supply via water tank (30 l / 8 gal)



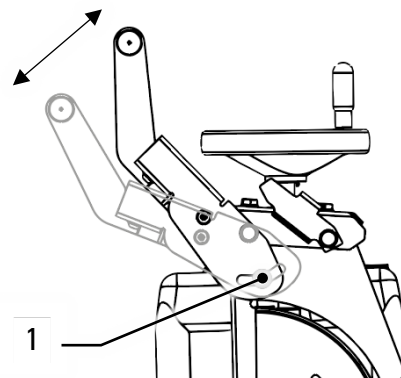
Supply via hose connection

Alternatively, connect a water hose with GEKA coupling directly to the blade guard.

4.5. Adjusting the push handlebar



- Loosen the screw fitting (#) on both sides.
- Set the handlebar at the suitable height for the operator.
- Tighten screw fitting.



4.6. Setting the depth of cut, display

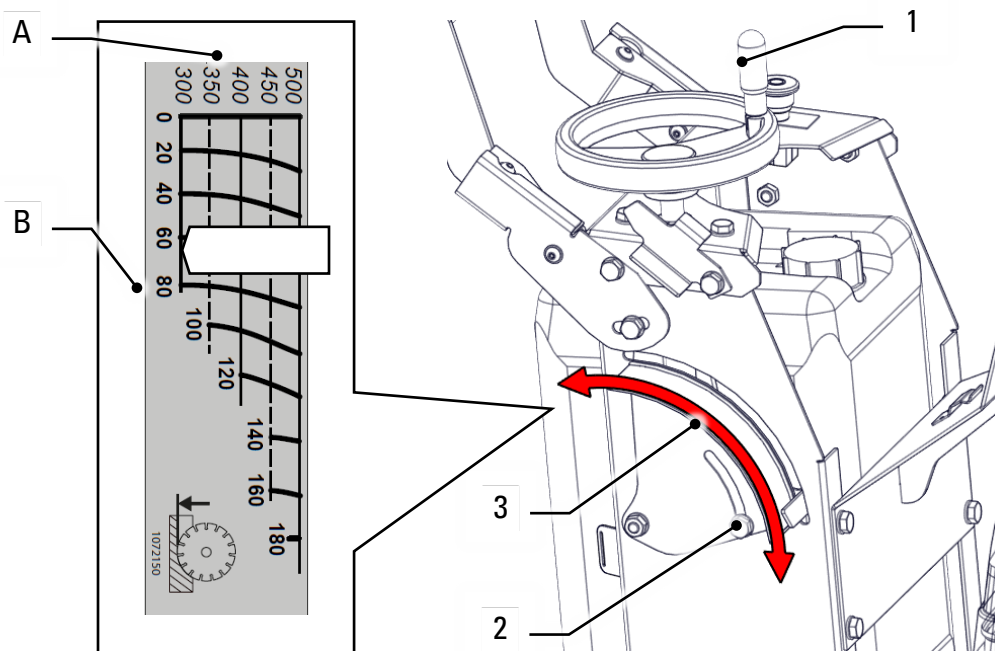


NOTICE

Always lower the blade slowly to prevent damage to the segments.

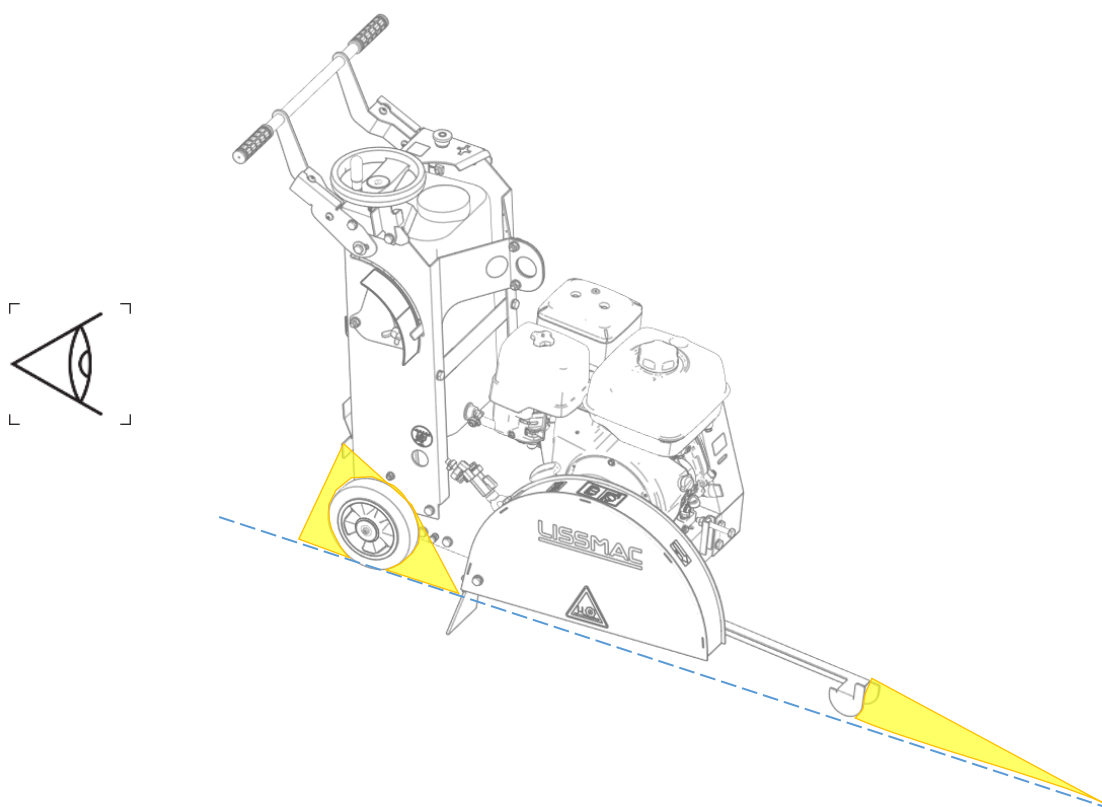
- Lower the saw blade with the crank (#1) until it makes slight contact with the floor.
- Loosen the wing bolt (#2) and set the scale (#3) to "0".
- Tighten the wing bolt.
- ➔ The depth of cut can now be read on the scale.

A: Blade diameter B: Depth of cut



4.7. Aligning the machine on the cutting line

Use the steering rod at the front and the tab on the frame for precise alignment of the saw blade on the cutting line.



4.8. Saw blade installation / change



WARNING

Danger of cuts and crushing injuries

Rotating saw blade or flange can catch and sever clothes or body parts.

- Shut down the engine.
- Before working on the machine, all parts must be stationary.
- Secure the machine against restart



WARNING

Cutting injuries and danger of drawing-in at the rotating saw blade

Touching the rotating saw blade can lead to burns, cutting injuries and the severing of limbs.

- Removing or opening the blade guard or interfering with the rotating saw blade is prohibited.
- The motor must be switched off and secured against unexpected start-up during work on the blade guard or on the saw blade of the floor saw.



Always check saw blades before installation!

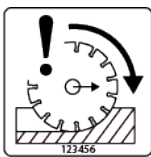
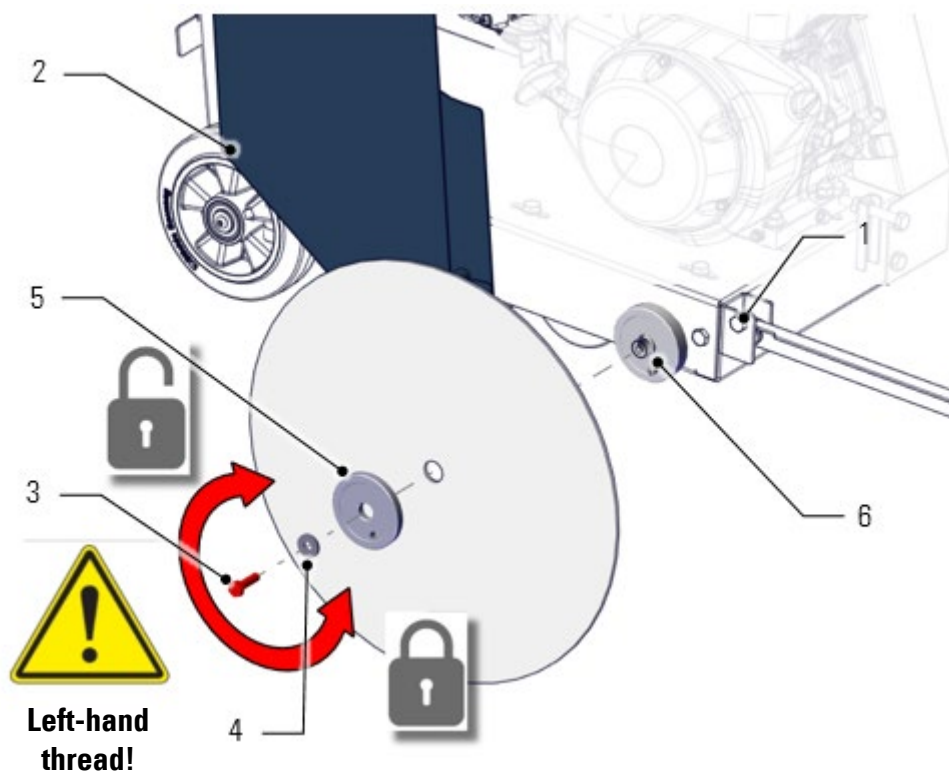
- Blade for wet cutting? (1)
- Blade suitable and approved for cutting work? (5)
- Blade and holder are of the right size? 2 (7)
- Permissible cutting speed maintained? 3 (4)
- Observe direction of rotation (6)
- All segments available?
- No undercut of the segments?
- Was the blade overheated? (shiny steel blue tarnished = do not use!)
- No cracks in the blade?

Check: Knock with piece of wood

Blade reverberates = OK

Blade sounds dull = do not use! (Exception: so-called silent blades)





NOTICE

Saw blade installation

When installing the saw blade, make sure that the flange surfaces are clean.

The saw blade must be in direct contact with the flange. Use the direction arrow to adjust the direction of rotation of the saw blade to the direction of rotation of the saw blade shaft (synchronism).

Sequence:

The following steps must be followed to install or change the saw blade:

1. Activate the parking brake.
2. Ignition switch to OFF.
3. Remove water hose from blade guard.
4. Release bolt (#1) and open blade guard (#2).
5. Release clamp screw (#3) and remove washers (#4) and thrust washer (#5).
6. Clean all contact surfaces.
7. Put the saw blade on the flange (#6). (Observe direction of rotation – synchronous cutting!)
8. Put the thrust washer and washers into position and tighten with the bolt.
9. Close the blade guard and secure with the bolt.
10. Connect water hose to the blade guard.

5. TRANSPORT

5.1. Transport position

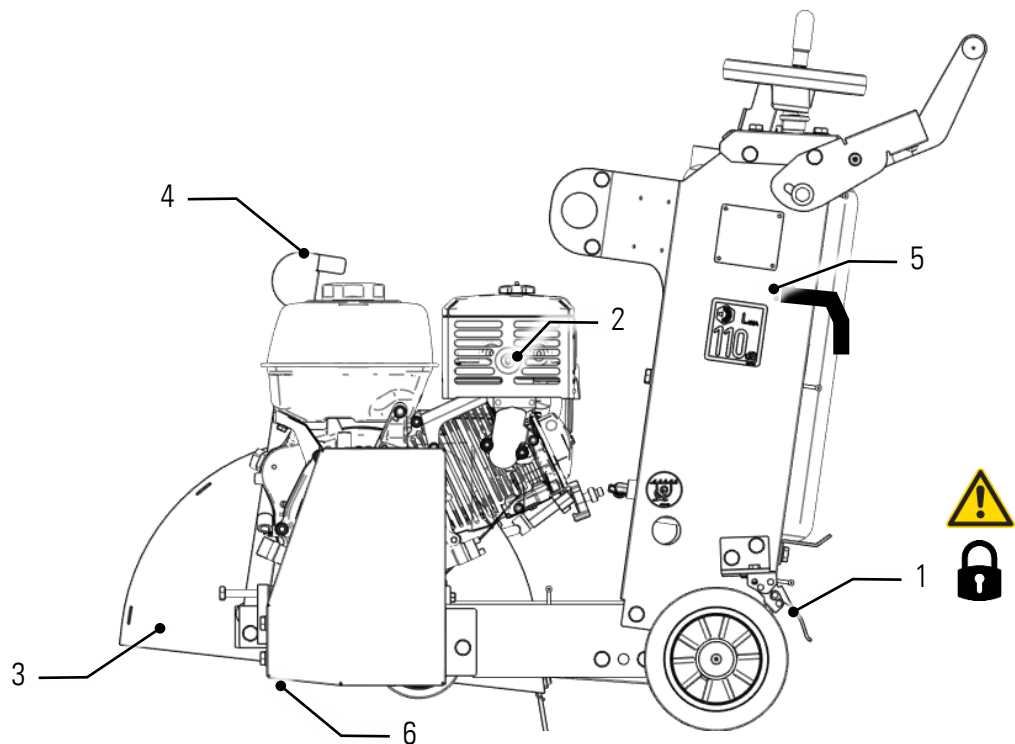


WARNING

Crushing due to unsecured machine

Injuries due to the unintentional change of the position of the machine or the falling of parts.

- Only transport the floor saw in transport position.
- Lash and secure the floor saw with suitable means.



Transport position

- Activate the parking brake (pos. 1)
- Stop the engine and close the fuel tap (pos. 2)
- Remove the saw blade and secure the blade guard (pos 3).
- Lower saw arm to floor level (pos. 6)
- Fold the steering rod in towards the machine (pos. 4).
- Empty the water tank and secure with a lashing strap (pos. 5)



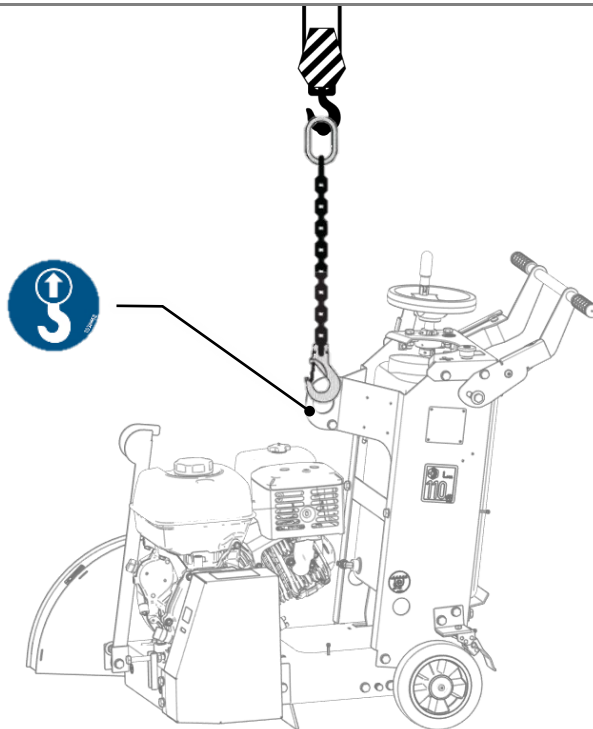
WARNING



Swinging loads

Danger of injury due to falling parts.

- Do not stay under hoisted machines or parts.
- Only use undamaged hoisting devices with the sufficient load bearing capacity and length.
- The machine must only be moved in the transport position.



Sequence:



- Move machine to transport position (see 5.1)
- Suspend the floor saw by the crane eyelet using a sling with sufficient load-bearing capacity.
- Appoint a competent instructor before the lifting operation.
- Only use a suitable transport vehicle with an adequate load-bearing capacity
- Always keep an eye on the joint cutter
- When re-starting, proceed according to the Operating Manual.

5.3. Securing the machine for transport



WARNING

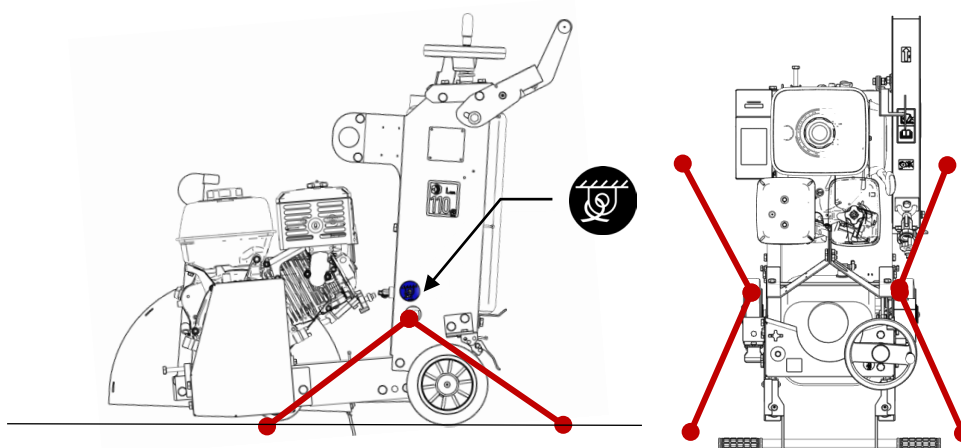


Injuries due to sliding or tilting of the machine

People can be crushed by accidental position changes of the machine.

- Only ever transport the machine in transport position.
- Secure the machine at the suitable attachment points.
- Use suitable lashing material.

Attachment points



Sequence:

- Establish the transport position (see 5.1)
- Attach the floor saw to the sufficient suitable lifting tackle at the lashing points.



CAUTION:

- Only lash the machine as described.
- Do not strain the frame with excessive pretensioning.
- Use lashing straps 25 mm wide with LC 400daN permissible lashing capacity.



6. OPERATION

6.1. Safety

General Rules



- The floor saw may only be operated by one person. Ensure that other people vacate the work area or set up a barrier.
- The operator must not leave the machine while the engine is running.
- Never start the machine when the saw blade rests on the ground. The drive will be overloaded.
- Do not correct cutting errors "by force". This will only damage the saw blade and the machine.
- Never switch the machine off while engaged in cutting. Always lift the blade out of the joint first.
- Do not operate the machine in case of fatigue and exhaustion or under the influence of alcohol, drugs or medication.
- Use only saw blades of the suitable type and size.
- NEVER use damaged saw blades.
- Keep the machine clean and operate only in a technically flawless condition.
- Ensure stable water supply.
- Remove all obstacles from the cutting area.
- Ensure good lighting at night.
- Make only straight cuts.



WARNING

Cutting injuries at the saw blade

Serious cuts due to rotating saw blade or ejected parts.



- Only cut with the blade guard in closed position.
- Keep a safe distance.
- Never touch the rotating saw blade.
- Wear personal protective equipment.



CAUTION

Risk of burns

Engine parts and tools become hot during operation and can cause burns



- Avoid skin contact.
- Wear personal protective equipment.
- Allow the engine to cool down before working on the device

6.2. Start-up preparations

NOTICE

Cutting without obstacles

Damage to objects in the cutting area or to the saw blade.

- All obstacles must be removed from the cutting area.
- Provide good lighting for the work area



Pay attention to a straight cut to avoid tilting of the saw blade.
Execute all steering and control commands slowly, in a controlled and even way.

If deep cuts must be made, this must be done in several steps.
The joint should be primary cut with a smaller (and wider) saw blade and then deepened with a larger (and narrower) saw blade.

Initial preparation

In order to use the floor saw safely and properly, the following conditions must be met:

- Check the dry extraction for damages, loose screw connections and for the completeness of the attachment's parts.
- Connect a reliable water supply.
- Mounting a suitable saw blade.
- The water-cooling system is functional.
- No objects or persons in the immediate vicinity of the saw blade.
- Set the steering rod in alignment with the saw blade.
- Lift the saw blade up - **no floor contact!**

6.3. Starting and stopping the motor



WARNING

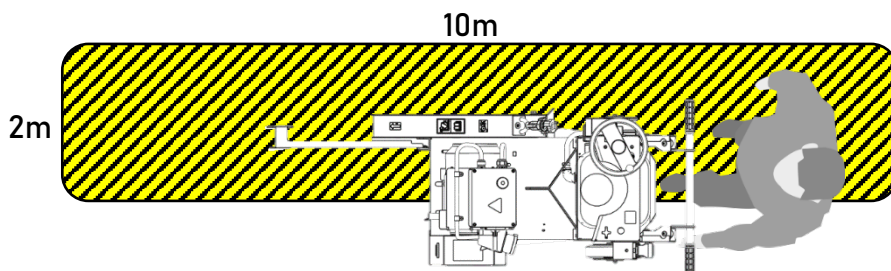


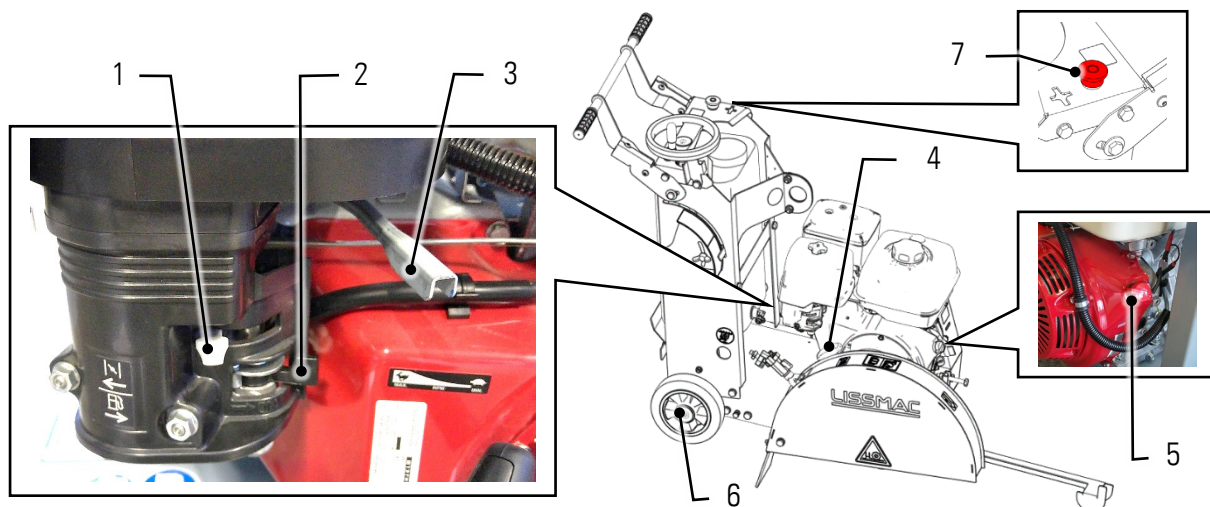
Automatic start-up of the cutting tool

The saw blade rotates as soon as the motor runs. It cannot be decoupled.

- Always maintain the greatest possible safety distance from the saw blade.

Workspace





- Pos. 1 Choke
Pos. 2 Fuel tap
Pos. 3 Throttle

- Pos. 4 Cable-pull starter
Pos. 5 Motor switch
Pos. 6 Parking brake
Pos. 7 Motor stop switch

Starting the motor CC 202 P

1. Engage the parking brake (6)

2. Check fuel, air filter and oil level
3. Pull the engine stop switch (7) to unlock it

4. Open fuel tap (2)

5. Choke (1) closed

6. Throttle (3) at 1/3 position

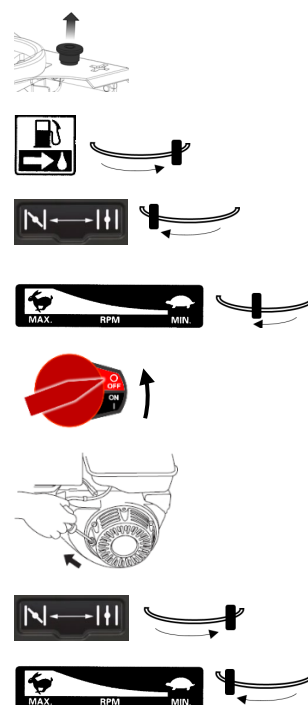
7. Engine switch (5) to **I/ ON**

8. Slowly pull the cable-pull starter (4) until resistance is felt, then pull forcefully in the direction of the arrow. Guide the cable pull handle back slowly. Do not release it when extended!

9. Gradually return the choke (1) while the motor warms up.

10. Throttle lever (3) to full throttle (left stop)

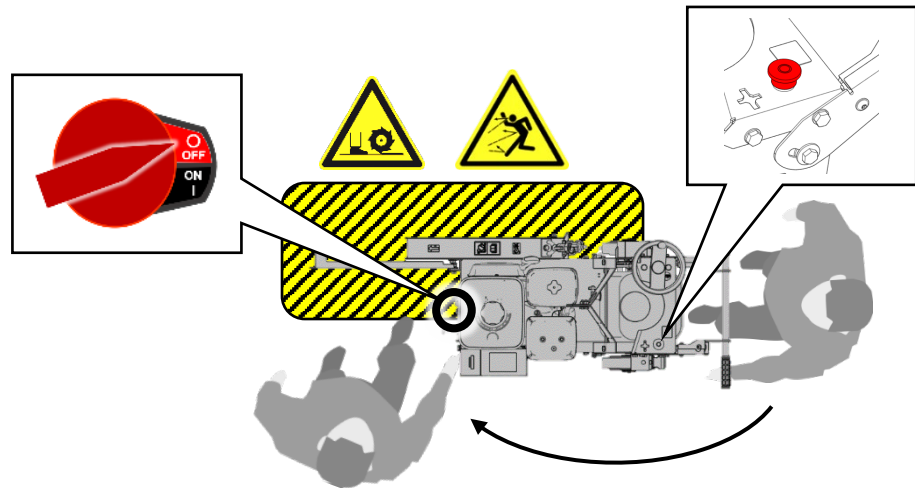
→ Ready to cut



The ignition on/off switch is on the front of the motor.

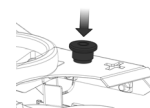
The operator must always switch the motor off from the side opposite the saw blade.

CAUTION: Always maintain the greatest possible safety distance from the saw blade.

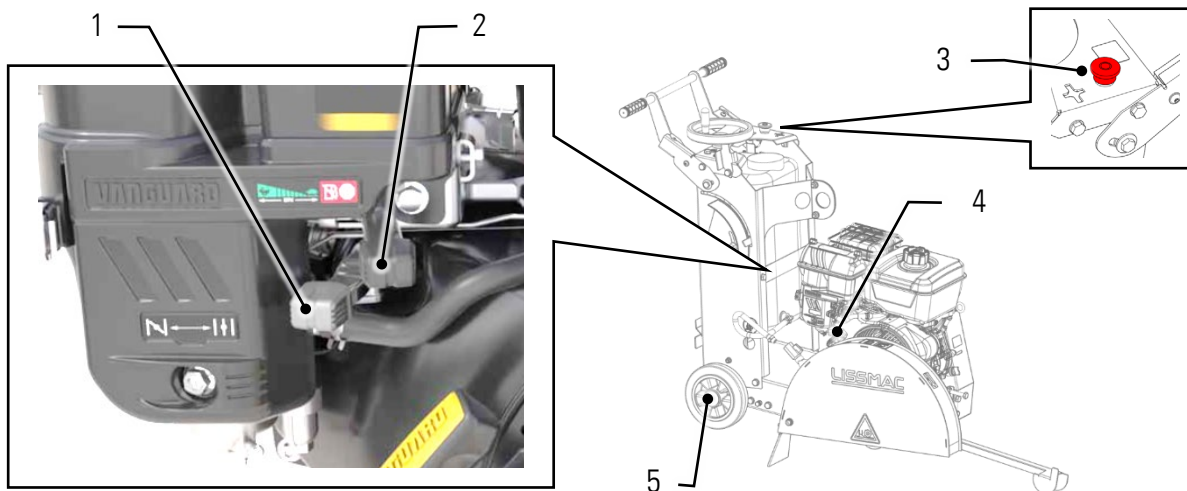


Stopping the engine CC 202 P

1. Engage the parking brake (6)
2. Press the engine stop switch (7)
3. Close fuel tap (2)
4. Move the throttle lever (3) to the transport position (right stop).
5. Engine switch (5) to **0/ OFF**



A detailed description can be found in the operating instructions of the combustion motor.



- Pos. 1 Choke
Pos. 2 Fuel tap / throttle lever
Pos. 3 Motor stop switch

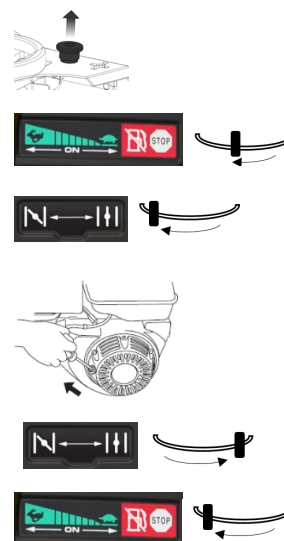
- Pos. 4 Cable-pull starter
Pos. 5 Parking brake

Starting the engine CC 202 PV

1. Engage the parking brake (5)

2. Check fuel, air filter and oil level
3. Pull the engine stop switch (3) to unlock it
4. Move the fuel tap / throttle lever (2) from the transport position to the center position.
5. Choke (1) closed
6. Slowly pull the cable-pull starter (4) until resistance is felt, then pull forcefully in the direction of the arrow. Guide the cable pull handle back slowly. Do not release it when extended!
7. Gradually return the choke (1) while the motor warms up.
8. Throttle lever (3) to full throttle (left stop)

→ Ready to cut



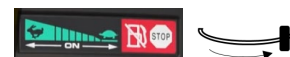
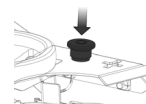
Stopping the engine CC 202 PV

1. Lift the saw blade free (lift the blade fully out of the cutting joint)

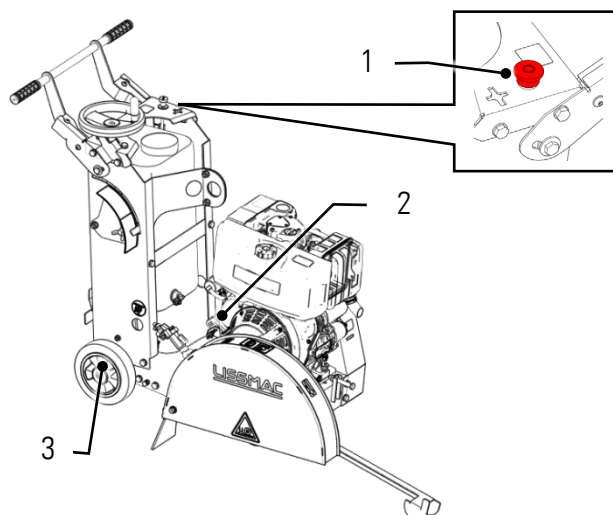
2. Engage the parking brake (5)

3. Press the engine stop switch (3)

4. Move the fuel tap / throttle lever (2) to the transport position (right stop).



A detailed description can be found in the operating instructions of the combustion motor.



Pos. 1 Motor stop switch

Pos. 2 Cable-pull starter

Pos. 3 Parking brake

Starting the engine CC 202 D

1. Engage the parking brake (3)

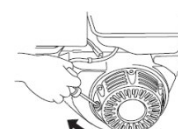
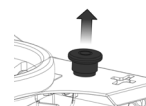
2. Check fuel, air filter and oil level

3. Pull out the motor stop switch (1) completely.

4. Slowly pull the cable-pull starter (2) until resistance is felt, then pull forcefully in the direction of the arrow. Guide the cable pull handle back slowly. Do not release it when extended!

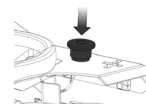
5. Allow the engine to warm up in cold weather.

→ Ready to cut



**Stop the engine
CC 202 D**

1. Lift the saw blade free (lift the blade fully out of the cutting joint)
- 2. Engage the parking brake (3)**
3. Press the motor stop switch (1) all the way down.



6.4. Setup and moving the floor saw



WARNING



Risk of injury due to rotating saw blade

By touching the rotating saw blade clothes can be pulled in and limbs severed.

- Any movement of the machine outside the area where cutting work is to be performed must be done when the tool is not rotating.



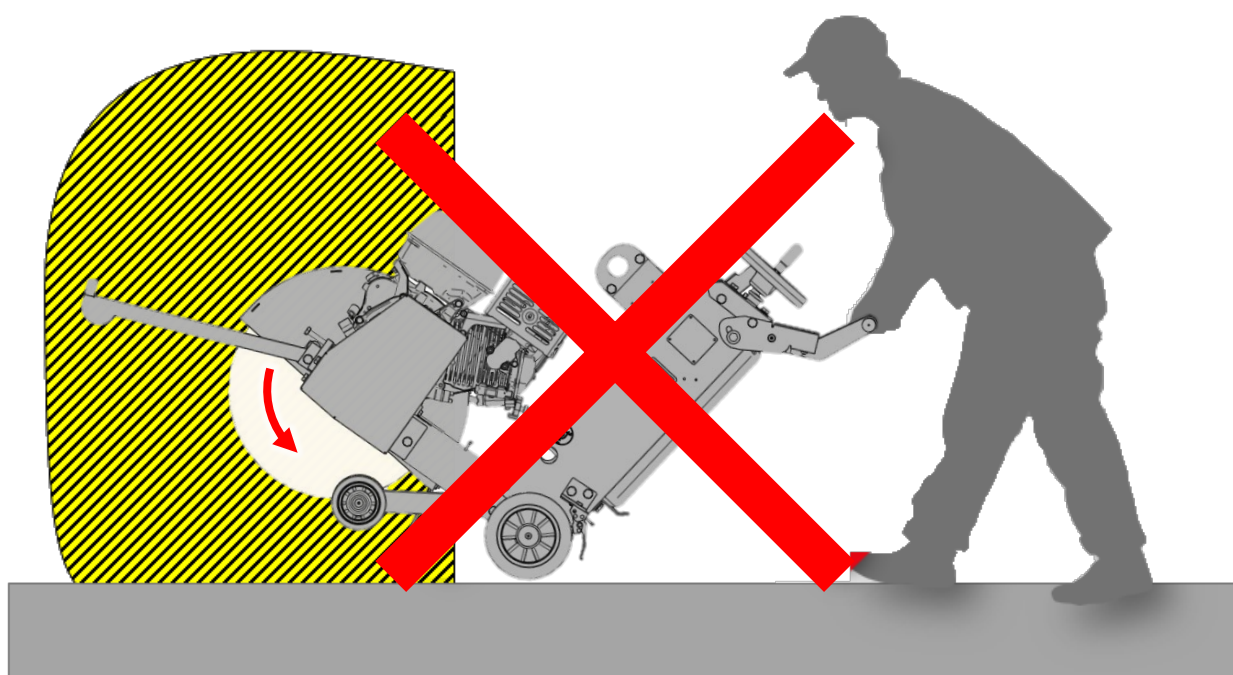
WARNING



Danger in the work area

The running machine has a high potential for injury if it is not operated and used responsibly and in accordance with the specifications.

- The operator must initiate the forward motion with the handlebar and must stay behind the push rods when cutting.
- The floor saws may only be operated by one person. Instruct other persons to leave the cutting area or cordon off this area.



6.5. Cutting with the floor saw



Pay attention to a straight cut to avoid tilting of the saw blade.

Carry out deep cuts in several passages.

Do not use any excessive pushing force.

Carry out all movements when handling the machine in a controlled manner which is not abrupt or jerky.

Always ensure you have secure footing and a clear view.

Sequence:

1. Put the floor saw in position.
2. Engage the parking brake.
3. Fold steering rod down.
4. Align the steering rod and saw blade on the cutting line.
5. Start the motor.
6. Move the throttle to the stop.
7. Open the ball valve on the water tank or the water connection.
8. **Slowly** lower the blade to cutting depth using the hand wheel.
9. Release the parking brake.
10. Initiate forward motion with the handlebar.
11. Cut with adjusted speed of forward motion.



WARNING



Destruction of the saw blade due to lack of cooling water

If the saw blade is not supplied with sufficient cooling water for wet cutting, there is a risk of overheating and parts may break out. The grinding dust is not sufficiently bound.

- Ensure that the saw blade cooling is supplied when cutting.
- Do not carry out any dry cutting.

6.6. Safe parking of the machine

Sequence:

1. Park the machine on a level surface capable of carrying the load.
2. Activate the parking brake.
3. Move the throttle back completely.
4. Close fuel tap.
5. Set ignition switch to 0/OFF.

7. MAINTENANCE

7.1. Maintenance



WARNING



Danger of injury due to rotating parts.

Serious injury from rotating saw blade or belt drive.

- Maintenance and repairs must only ever be carried out when the machine is switched off.
- Maintenance and repairs may only be carried out by qualified personnel.
- The machine must be secured against being switched on by other persons

Cleaning



To protect the painted surfaces, do not use aggressive cleaning products.
Do not use a high-pressure cleaner for the motor and switch elements.

Spare parts

Only original spare parts provided by the manufacturer may be used.

Stickers

Regularly check the machine for damaged or detached safety warning signs.
Illegible or damaged danger and warning signs on the device must be replaced immediately.

	Before each use	daily	weekly	monthly
Conduct a visual inspection for obvious damage and defects	•			
Check engine Oil level	•			
Thoroughly clean the floor saw		•		
Grease cutting shaft bearing		•		
Spray the saw blade height adjustment spindle with spray-on grease				•
Check and correct the belt tension			•	
Screw connections	Retighten all screw connections after 20 operating hours.			
Replace engine oil and filter Petrol	For the first time after 5 operating hours, then annually			
Replace engine oil and filter Diesel	For the first time after 50 operating hours, then annually			
Replace internal oil filter (diesel only)	Annually			
Replacing the fuel filter	Annually			
Clean the air filter	Weekly, more often with intensive use			
Replace air filter	Annually, earlier if required			
Replace spark plug	Annually			

The maintenance instructions refer to normal, intended use. When the machine is used under extreme weather conditions, or under continuous operation, the service intervals should be adapted accordingly.

ATTENTION!

The engine manufacturer's operating instructions must also be observed for all information and maintenance tasks relating to the combustion engine.



WARNING



Cutting and crushing injuries at open belt drive

Danger of drawing-in of hands and clothing when the belt cover is open.

- Never operate the machine without the belt covering in place.
- Work may only be carried out when the drive motor is switched off.

Effects of incorrectly tensioned drive belts:

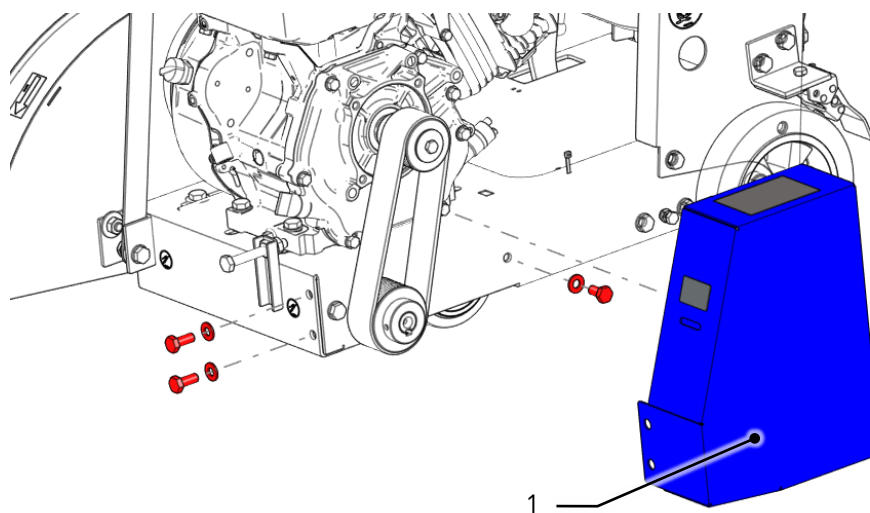
Drive belts too loose:

Drive belts slip on the V-belt pulley

No or poor power transmission, excessive wear.

Drive belts too tight:

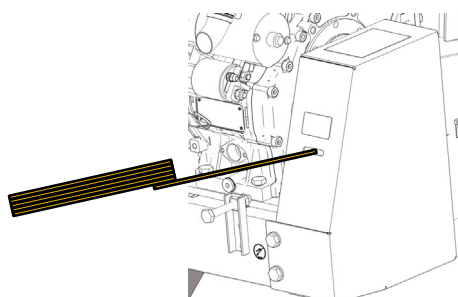
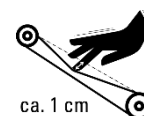
Excessive wear, excessive heating of the V-belt pulleys with consequential damage



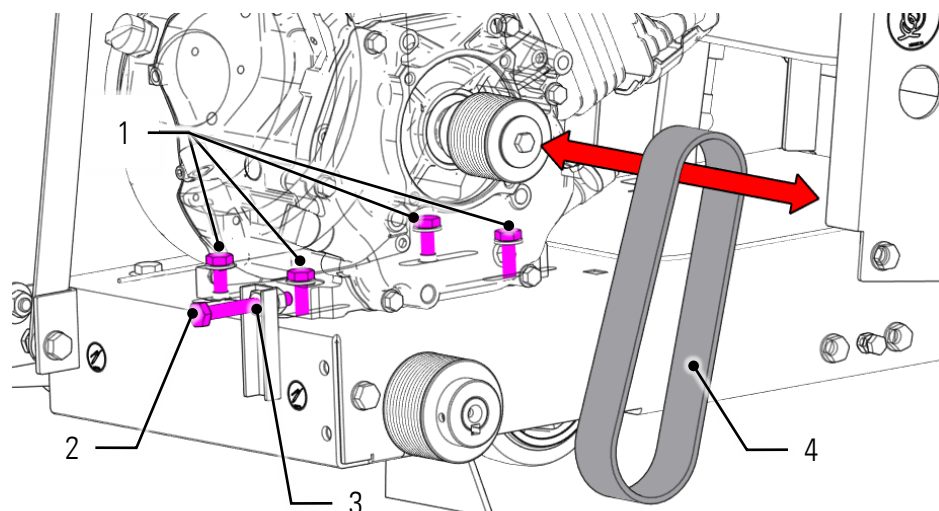
Checking

Check the tension of the drive belts but pushing on them.

- Check through the opening in the guard using a folding rule, for example.



**Mounting and
dismounting, or
tensioning, the drive
belts**



Sequence:

1. Remove belt cover.
2. Release nuts on the motor slide (#1).
3. Release the lock nut (#3).
4. Increase or decrease the belt tension with the tensioning screw (#2).
5. Take off the drive belt (#4) in a slack state and replace with a new set.
6. Adjust the belt tension with the tensioning screw.
7. Lock the tensioning screw and secure the motor slide.
8. Mount the belt cover.

7.3. Lubrication points

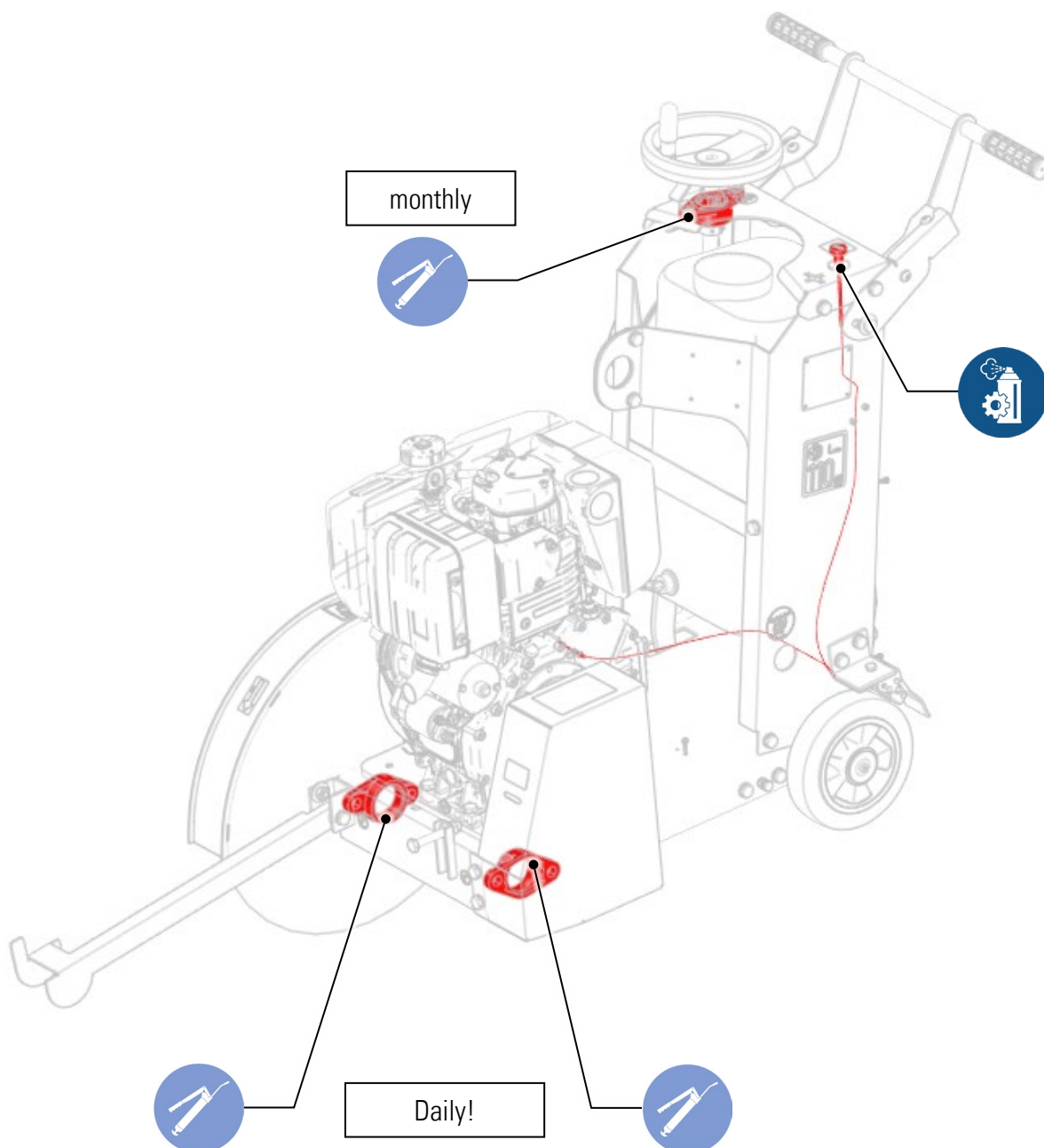


The motor must be shut down before starting any maintenance or repair work.

Secure the machine against unexpected start-up.

Maintenance and service work may only be carried out by qualified technical personnel.

The motor manufacturer's manual for service details.



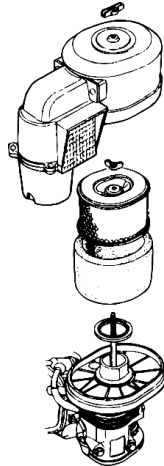
7.4. Cleaning/changing the air filter



The air filter filters the ambient air and prevents foreign matter from penetrating into the combustion chamber. Over time, this foreign matter accumulates on the air filter and reduces the flow through of air.

The air filter should be checked regularly and replaced in a timely fashion to prevent motor damage. Operating the engine without an air filter is not permissible!

Honda GX



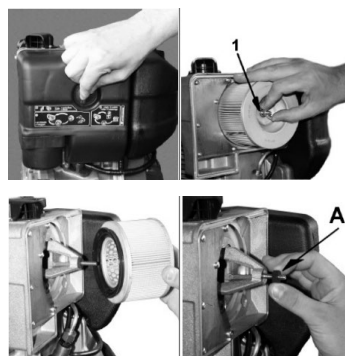
- Unscrew wing nut and pull off lid.
- Unscrew wing nut.
- Remove and wash out the foam cladding.
- Tap out or replace air filter element.
- Visual check of the sealing.
- Reassemble in reverse order

Briggs&Stratton Vanguard



- Opening fasteners C
- Tap out or replace air filter cartridge B.
- Visual inspection of housing and seal
- Reassemble in reverse order.

Kohler



- Open shutter
- Loosen wing nut 1 and remove main filter.
- Knock out/blow out or replace the filter.
- Visual inspection of housing particular seals A
- Reassemble in reverse order.

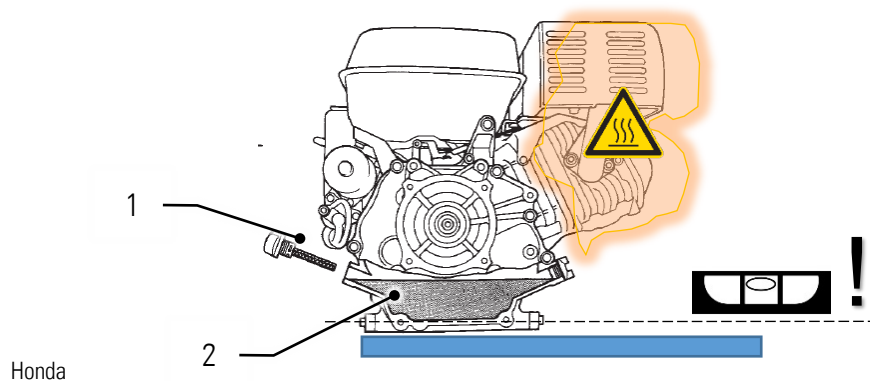
7.5. Checking the oil level



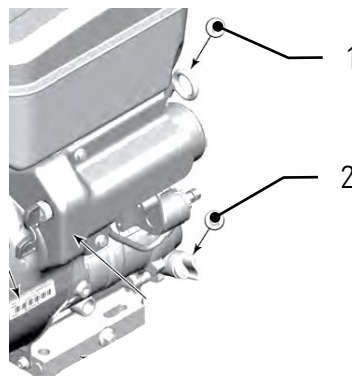
- Set the machine on a horizontal surface.
- Engage the parking brake.
- Deactivate the motor safely.

Sequence:

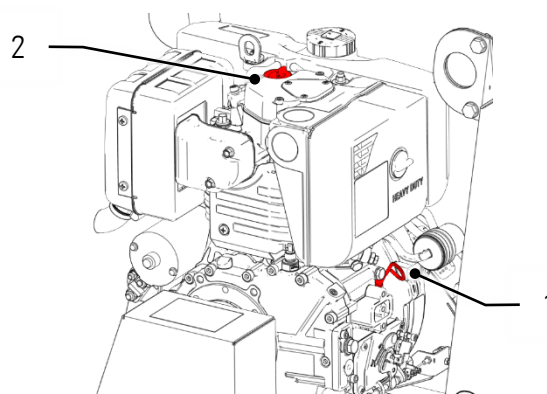
- Check the oil level with the dipstick (#1).
- Slowly fill up the oil lacking through the filler neck (#2).
Use a clean funnel to prevent any spillage.
- Close the filler inlet securely again.



Briggs&Stratton



Kohler



7.6. Troubleshooting:

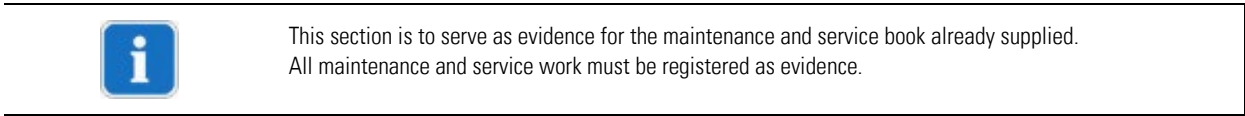
NOTICE

In the event of cutting problems, check the following points:

- Saw blade blunt or defective?
- Too little water to cool the saw blade?
- Correct saw blade selected?
- Full capacity or speed of motor?

Error	Cause	Remedy
Poor cutting performance	Saw blade is blunt	Replace saw blade
	Too little cooling water	Flush with water supply with pressure of max. 5 bar
	V-belts slipping	Check V-belt, re-tension
	Engine does not have at full power	Check power supply
Floor saw does not start	No power	Check power supply
	Fuse / RCD tripped	Check fuse / RCD
Excessive vibration	Tool blunt	Replace tool
	Engine mount has imbalance / incorrect position	Check motor position

7.7. Maintenance Schedule



 This section is to serve as evidence for the maintenance and service book already supplied.
All maintenance and service work must be registered as evidence.

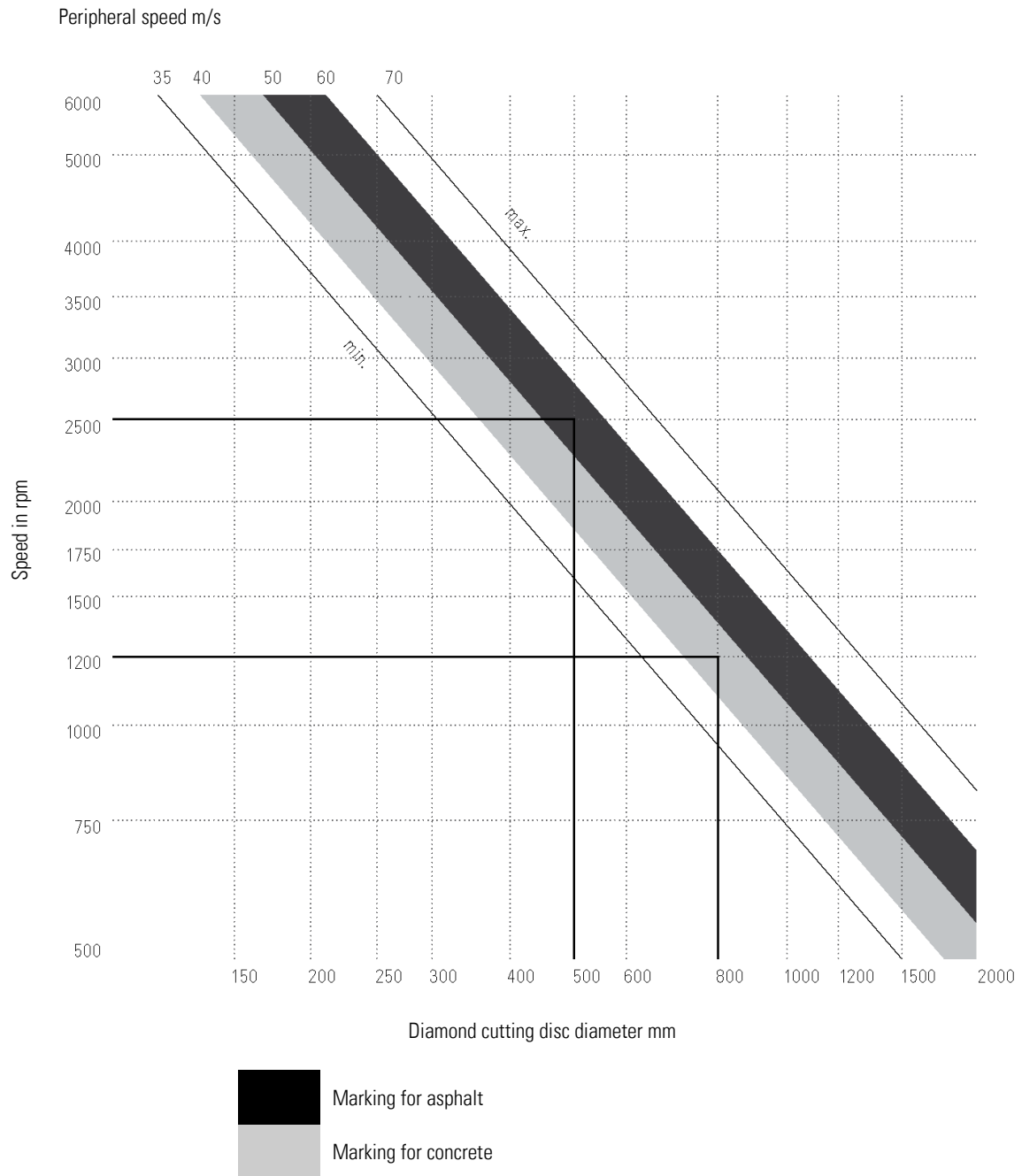
Machine/type: _____ Serial number/year of manufacture: _____

Machine/type: _____ Serial number/year of manufacture: _____

Date	Maintenance or service work carried out	Date/signature
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[illegible]

8. TOOLS



All tools in the field of diamond tools are color-coded. The tools differ, depending on the area and scope of application. For the best results, the parameters must be correct. With this diagram, the optimum cutting performance can be determined.



The prices of the tools can be determined in the LISSMAC sales booklet. This sales booklet can be obtained at any time from the manufacturer.

9. WARRANTY

	The warranty for this machine is 12 months. Warranty is only provided for the wear parts listed below if the wear is not due to operation. Wear parts are parts which undergo operation-dependent wear during the intended use of the machine. These parts have varying service lives, depending on the intensity with which they are used. The wearing parts must be maintained, adjusted, and replaced if necessary for the specific machine as set out in the manufacturer's operating manual. Operation-dependent wear does not require any claims for defects.
--	--

- Feed and drive elements such as racks, gear wheels, pinions, spindles, spindle nuts, spindle bearings, cables, chains, sprocket wheels and belts.
- Seals, cables, hoses, sleeves, plugs, couplings and switches for pneumatic, hydraulic, water, electric and fuel systems
- Guide elements such as guide rails, guide bushes, guide rails, rollers, bearings, anti-slip pads.
- Clamping elements of quick release systems
- Flushing head seals
- Plain and roller bearings which do not run in an oil bath.
- Shaft sealing rings and sealing elements.
- Friction clutches and overload clutches, braking equipment
- Carbon bushes, collectors
- Easy release rings
- Control potentiometer and manual switching elements.
- Fuses and lamps
- Operating materials and supplies
- Securing elements such as wall plugs, anchors, and screws
- Bowden cables
- Fins
- Diaphragms
- Spark plugs, heater plugs
- Parts of the reversing starter such as the cable, pawl, roller, and spring
- Sealing brushes, sealing rubber, splash guards
- Filters of all kinds
- Drive and deflection rollers and bindings.
- Running and drive wheels
- Cutting tools

EC Declaration of Conformity

LISSMAC



This EC Declaration of Conformity according to Directive 2006/42/EC Annex II A is valid for the following machine:

LISSMAC floor saw COMPACTCUT 202 P / 202 PV / 202 D

This declaration refers only to the machine in the condition in which it was placed on the market; parts and / or modifications subsequently fitted by the end user are not considered. The manufacturer declares under his sole responsibility that the machine complies with the relevant provisions of Directive 2006/42/EC and 2000/14/EC.

Manufacturer:	LISSMAC Maschinenbau GmbH Lanzstrasse 4 D-88410 Bad Wurzach	Tel: +49 (0) 7564 / 307 - 0 Fax: +49 (0) 7564 / 307 - 500 Mail: lissmac@lissmac.com www.lissmac.com
	The technical documentation is stored by the manufacturer. Authorized documentation representative: Head of Design / Technical Documentation	
Machine description:	The joint cutter is designed exclusively for cutting joints in horizontal concrete or asphalt surfaces with a water-cooled, diamond-tipped tool.	
Conformity assessment procedure:	Internal production control Directive 2000/14/EC, Annex V and Directive 2006/42/EC, Annex VIII	
Emission values:	CC200P Measured sound power level: 113 dB Guaranteed sound power level: LWA = 116 dB CC200PV Measured sound power level: 111 dB Guaranteed sound power level: LWA = 114 dB CC200D Measured sound power level: 112 dB Guaranteed sound power level: LWA = 115 dB	
Applied harmonized standards:	EN 13862:2021 Floor parting grinding machines EN ISO 12100:2010 Safety of machinery EN 60204-1:2018 Safety of machinery - Electrical equipment	
Guidelines adhered to:	2006/42/EC Machinery Directive 2000/14/EC Outdoor Directive 2014/30/EU EMC Directive	
Legally authorized representative:	Bad Wurzach den 21.08.2025  Thomas Hoffmeister (Managing Director)	

