



ATOS 240-230-220

Operator's manual

Original operator's manual

Using the operator's manual

This is the original operator's manual. It will simply be referred to as the "operator's manual" throughout this document.

This operator's manual complies with the regulations currently in force in the tractor's first country of delivery.

This operator's manual contains the instructions for using, adjusting, servicing, cleaning and transporting the tractor. It is essential to be familiar with all of these instructions in order to:

- improve the output of the tractor.
- increase the tractor's availability.
- prolong the tractor's service life.
- ensure the correct working conditions in terms of both safety and comfort.

Failure to carry out maintenance operations or incorrect use of the tractor can cause the following:

- An increased safety risk.
- Premature wear on the tractor.
- A reduction in tractor performance.
- Loss of output and time.

Have the tractor service performed regularly by an approved CLAAS distributor.

This operator's manual cannot be considered contractually binding. CLAAS has a policy of continuously making technical improvements to all of its products, and therefore reserves the right to change without notice and at any time the details contained in this operator's manual.

The description of the models contained in this operator's manual was established from technical specifications known at the time the operator's manual was written. The operator's manual contains all of the equipment (standard or optional) that exists for these models. The presence of this equipment within the tractor depends on the tractor version and options chosen by the purchaser and the country of sale for this tractor.

Servicing operations during the warranty period are mandatory; failure to carry them out will nullify the contractual warranty.

Failure to observe the instructions for use and maintenance of the tractor as described in this operator's manual definitively excludes any possibility of recourse to the CLAAS warranty system.

The instruction and warning plates affixed to the tractor give important information about possible risks relating to use. Following these instructions will guarantee your safety during use!

Front/rear implements have a separate operator's manual.

The CLAAS distribution network is available to respond to any questions that you may have relating to the content of this operator's manual.

Important information concerning this operator's manual

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Important information concerning this operator's manual appears on the back of the manual:

	Description
1	Address of CLAAS company headquarters
2	Phone number to call if necessary
3	Address of CLAAS company website
4	Reference for this operator's manual
5	Designation for this operator's manual
6	Language code for this operator's manual
7	Publication date for this operator's manual
8	Country where this operator's manual was printed

The reference, designation and publication date of this operator's manual also appear at the bottom of each page of the operator's manual. The reference of the operator's manual should be quoted in any query concerning the operator's manual and when ordering additional copies.

Structure based on tractor subassemblies

Where permitted by the contents, the sections in this operator's manual are categorised on the basis of the tractor subassemblies. These subassemblies are structured identically in each section of this operator's manual.

The operator's manuals for CLAAS products are structured differently depending on the group of products to which they refer. CLAAS always endeavours to retain this subassembly-based document structure for each of its products.

Search and find

This information structure based on the tractor subassemblies means it is easier and quicker to find the information you are looking for. The table of contents and the headers in this operator's manual also make it easier to find information.

Furthermore, the index of this operator's manual is another useful tool for finding subjects. The index is found in the final pages of this operator's manual.

Direction indications

Specifications such as front, rear, right-hand and left-hand are always in the context of the direction of travel of the tractor.

In the illustrations, the direction of travel may be indicated by a direction arrow.

Specific terminology

In this operator's manual, "implement" refers to any equipment hitched to the tractor, whether carried or towed.

Likewise, the term "risk zone" refers to all locations with an increased risk of accident:

- around the tractor and the implements hitched to the tractor.
- between the tractor and the carried/towed implements.
- In the deployment or movement area of the implements.

Optional and additional equipment

Optional equipment consists of tractor equipment variants. Different variants are available but only one can be fitted at a time.

Additional equipment consists of tractor equipment variants which can be fitted as accessories but which are not part of the tractor's standard equipment.

The two terms refer to the possible variants. Standard equipment and equipment variants may vary depending on the country.

Symbols and instructions

Text and illustrations



Photos and graphics have been kept neutral wherever possible. If this is not the case, additional information is added underneath the illustration.

Texts and illustrations have been kept neutral wherever possible. If this is not the case, the preceding subtitle takes into account the differences.

Specific formatting is used to distinguish the type of information. The different formatting used in this operator's manual is as follows:

Formatting	Meaning	Description
Description	Descriptive text	Additional information on the subject
- Action instruction	Action	Action which must be performed successively
<i>Result</i>	Result of the action	Result of actions carried out

Links to other sections in the operator's manual, or to other operator's manuals, are indicated by the following symbols:

Symbol	Meaning	Description
	Consult the page indicated or the index of this operator's manual	This symbol indicates that additional information on this subject is available in another part of this manual.
	Consult the index of the corresponding operator's manual	This symbol indicates that additional information on this subject is available in the corresponding machine or implement operator's manual.

A page number and the title of the section concerned in the operator's manual may also be added to help the reader to find the necessary information. Example:

Replacing the engine oil filter

Highlighting dangers and warnings

In the operator's manual, all points concerning personal safety and the safe use of the tractor are indicated by the following symbols. The safety advice must be passed on to all users.

DANGER!

Nature and cause of danger.

Consequences: death or serious injuries.

► Measures to follow to prevent danger.

WARNING!

Nature and cause of danger.

Consequences: death or serious injuries may result.

► Measures to follow to prevent danger.

 **CAUTION!**

Nature and cause of danger.

Consequences: minor injuries may result.

▶ Measures to follow to prevent danger.

NOTICE!

Nature and cause of danger.

Consequences: equipment may be damaged.

▶ Measures to follow to prevent danger.

Information!

Nature and origin of notes.

Consequences: more efficient use or simpler assembly.

▶ Measures to follow.

Environment!







Nature and cause of danger.

Consequences: damage caused to the environment.

▶ Measures to follow to prevent danger.

Icons for location of components

Below is the list and description of the icons used in this manual to illustrate the location of the components fitted on the tractor.

Icon	Description	Icon	Description
	Front view		Rear view
	Left-hand view		Right-hand view
	Plan view		View from below, with the operator lying on his/her back, head pointing towards the front of the tractor

Information!

Location of components.

- ▶ A small square placed over the icon shows the location on the tractor of the components affected by the described procedure.

Validity of the operator's manual

This operator's manual is valid for the following tractors:

Description	Type	Tractor serial number	
		from	to
ATOS 200	A78	A7800050	

The operator's manual describes the possible equipment for your tractor. The tractor's equipment is shown on the order confirmation.

Technical information

The technical specifications, dimensions and weights are provided on a non-binding basis. CLAAS reserves the right to modify them as part of technical development, subject to errors.

Appropriate use

The ATOS 200 range of CLAAS farm tractors has been designed exclusively for professional use in line with the recognised rules governing farming practices and agricultural work.

The ATOS 200 tractor has been designed and adapted to tow, push, move, carry or activate implements/equipment/loads authorised by the manufacturer, and to control certain implements or compact using implements (weights) authorised by the manufacturer as part of agricultural work.

The farm tractor must only be used, maintained and repaired by persons with a thorough knowledge of the tractor, who are aware of the possible risks. The tractor must only ever be used by qualified personnel who have been trained how to drive it. Always keep children away from the tractor and agricultural machinery.

Appropriate use also requires strict observance of the instructions contained in the operator's manual, as well as the operating, maintenance and repair regulations laid down by the manufacturer. When an implement or trailer is hitched to the tractor, always comply with the instructions in this operator's manual as well as the instructions in the operator's manual for the hitched implement or trailer. Do not use the tractor/machine or tractor/trailer assembly unless all these instructions have been followed.

Specific accident prevention instructions, as well as general rules concerning technical safety, occupational health and safety regulations and the highway code, must be observed by the user and owner.

Any use other than that defined above will be considered inappropriate, and will exempt the manufacturer from any liability in the event of damage or injury; such use is entirely at the user's own risk.

For any specific cases, please contact your approved CLAAS repair agent to ensure use of the tractor is compliant.

Inappropriate use

Any use not specified by the manufacturer shall be considered inappropriate, and therefore misuse. The manufacturer will be exempted from any liability in the event of damage or injury; such use is entirely at the user's own risk.

Examples of inappropriate use of CLAAS tractors/farm tractors from the ATOS 200 range:

- Use of surfaces or spaces not defined as working or maintenance areas in the operator's manual.
- Failure to follow the information in the operator's manual when performing adjustment, cleaning or maintenance operations.
- Carrying out breakdown or maintenance work while the system is in operation and/or the engine is running.
- Failure to comply with the warnings on the tractor or in the operator's manual.
- Untrained persons carrying out reconditioning or repair work.
- Unauthorised modifications to the tractor.
- Installation of unauthorised optional equipment.
- Use of replacement parts other than original CLAAS parts.
- Use of devices/equipment not authorised by the manufacturer.
- Use of implements/devices/equipment which are not compatible with each other.
- Use in sporting events.
- Exceeding the total technically authorised weight.
- Transporting persons outside of the seats intended for this purpose.
 - o Depending on the tractor equipment, a passenger seat may be used to transport one person.

European regulations

ATOS 200 tractors put in circulation meet amended European Directive 2003/37.

For countries which do not form part of the European Union, respect the relevant applicable national prescriptions.

Preparing the tractor

Good practice to follow when preparing the tractor

To avoid accidents caused by incorrect preparation of the tractor:

- ▶ Use the PPE required for the type of work or task to be performed.
- ▶ Ensure that no-one is on-board the tractor, implement or trailer, except harvesting machines.
- ▶ Always keep children well away from where work is being carried out.
- ▶ The tractor must only be started if all the controls are in neutral and the parking brake is applied.
- ▶ Never start the engine by bypassing the electric starting motor's electrical connections. This operation could cause the tractor to move or shift unexpectedly and uncontrollably.
- ▶ When starting, check that all the tell-tales and indicator lights come on correctly.

Preparing the tractor

If the tractor has not been correctly prepared to drive on roads, accidents could occur when travelling on roads. If the tractor has not been prepared for working in fields, serious accidents could occur when performing these tasks.

To avoid accidents, both on the road and in the field, caused by incorrect preparation of the tractor:

- ▶ Ensure you are familiar with all the on-board instrumentation and controls.
- ▶ Take any specific features of the protection devices (e.g.: ROPS cab) installed on this tractor model into account, along with tractor's limitations in terms of use.
- ▶ Check that the clevis drawbar supports and the clevis or hitch hooks are correctly secured with pins and locked, and take the tractor's different steering and braking modes into account when pulling loads or implements.
- ▶ Only use the three-point hitch to attach suitable implements and not as a towing bar.
- ▶ Prepare and check the electrical and hydraulic connections for the implements and trailers to ensure they respond to the controls.
- ▶ Ensure the tractor has the correct ballast when pulling heavy loads or hitched to heavy implements.
- ▶ Adapt the tractor's track width to the work or task to be performed.
- ▶ Ensure the steering wheel, seats, seat belts and rear view mirrors are correctly adjusted and lock the brake pedals together (for driving on roads only).
- ▶ Before pressurising any of the hydraulic control valves, check that the connections are tightened and the pipes and couplings show no sign of damage.
- ▶ Before using the tractor, check that the screens and rear view mirrors are clean, that there are no persons, animals or objects in the vicinity of the tractor and that there is sufficient space to manoeuvre.
- ▶ When travelling on roads, lock the linkage and any hitched implements.

Keeping the tractor clean

Operating the tractor or the presence of animals (e.g.: nesting birds or rodents) can cause flammable material to build up inside the tractor. There is a risk of large amounts of dirt building up if the tractor is used in extremely dry or dusty conditions. Dust, contamination and residue from harvesting can catch fire if in contact with hot parts of the tractor.

To prevent serious injuries and death in the event of a fire:

- ▶ Remove dirt from the tractor.
- ▶ Ensure the extinguishers are always ready to use.

Safety and accident prevention instructions

This list is not comprehensive. The risks taken in the work area must be continuously assessed.

- ▶ In all circumstances, respect the legislation relating to driving wheel-fitted farm tractors applicable in your country.
- ▶ Never exceed the maximum authorised speed. If necessary, consult the police or your insurance company for more information.
- ▶ The loads on the front and rear axles must not exceed the maximum authorised loads.
Load capacities
- ▶ Before any movement, check the tractor's brakes.
- ▶ Before any movement, check the brakes of any implement which has a braking system.
- ▶ CLAAS tractors have been designed for farming applications. However, certain working environments likely to cause the tractor to tip over must be avoided (the following list is not exhaustive):
 - ▶ Unstable river banks.
 - ▶ Steep slopes.
- ▶ The doors must be securely closed when travelling on roads.
- ▶ Before travelling on the road:
 - ▶ Adjust the mirrors to optimise the field of vision.
 - ▶ Clean the mirrors if necessary.
- ▶ Make sure that the implement is hitched correctly and safely locked in position.
- ▶ Whenever possible, avoid using busy roads.
- ▶ When transporting equipment on a public road, use the warning device required by the highway code.
- ▶ Check that the signalling devices are operating correctly.
- ▶ The signalling devices must be clearly visible.
- ▶ The work lights must under no circumstances be on when travelling on the road.
- ▶ Brake pedals must always be coupled when travelling on the road.
- ▶ Do not use the hand accelerator when the tractor is travelling on the road.
- ▶ Do not use the differential lock on roads or when cornering.
- ▶ Before travelling on the road, disengage the front and rear power take-off.
- ▶ Before travelling on the road, position the hitched, mounted or semi-mounted implements in the transport position. If the implement has transport wheels, use them.
- ▶ The instructions on wearing the driver's and passenger's seat belt are set by the traffic regulations in the country of use. Comply with the regulations in force in the country where the tractor is used.
- ▶ When driving on rough roads or tracks, reduce your speed.
- ▶ Check that nobody is standing:
 - ▶ in the risk zone located between the tractor and the implement being carried/towed.
 - ▶ near the front/rear lifting areas of the tractor.
 - ▶ near the wheels before using the tractor.
 - ▶ in the deployment area of the implements hitched to the tractor.
- ▶ When the tractor is parked unintentionally or deliberately on a public road and represents a danger to traffic, it is essential to:
 - ▶ switch on the hazard warning lights.
 - ▶ place a warning triangle ahead of the danger zone (according to the regulations in force in the country where the tractor is used).
- ▶ Slow down before changing direction.
- ▶ Before exiting the tractor, lower the front and rear implements to the ground.
- ▶ When travelling downhill, always remain in gear: never declutch. The gear selected should be the same as would be used to climb an equivalent gradient.
- ▶ Always use equipment in good condition, suited to the power of the tractor and the type of work to be performed.

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