



ARION 640C-630C-620C

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 currently enforced regulations 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.

If any maintenance operations are missed or if the tractor is used incorrectly, the following are possible:

- 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 can be considered contractual. CLAAS has a policy of continuous technical improvement to all 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 in 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 user safety.

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 at the end 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 of this operator's manual
5	Designation of this operator's manual
6	Language code for this operator's manual
7	Publication date of 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 sub-assemblies

The sections in this operator's manual are categorised on the basis of the tractor sub-assemblies, as far as the contents permit. These sub-assemblies 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 sub-assembly-based document structure for each of its products.

Search and find

Thanks to this module-based structure, it is easier and quicker to find the desired subject using the table of contents and the headers in this operator's manual.

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

Indications 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:

Replace the engine air 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.

Validity of the operator's manual

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

Description	Type	Tractor serial number	
		From	TO
ARION 640C	A20	A2004406	

The operator's manual describes the possible equipment for your tractor. The tractor equipment is listed in 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

CLAAS's ARION 600C range of farm tractors has been designed exclusively for professional use in line with the recognised rules governing farming practices and agricultural work.

The ARION 600C tractor has been designed and adapted to tow, push, move or carry 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 and 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 user 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 user manual as well as the instructions in the user manual for the implement or trailer hitched. Do not use the tractor/machine or tractor/trailer assembly if all these instructions have not been followed.

Specific accident prevention instructions, as well as general rules concerning technical safety, 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 release the manufacturer from any liability in the event of damage or injury; such use is entirely at the user's own risk.

Detailed tailored information is available from approved CLAAS distributors to ensure tractors are used correctly in the context of particular applications.

Inappropriate use

Any use not foreseen by the manufacturer shall be considered to be inappropriate, and therefore as misuse. The manufacturer accepts no 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 ARION 400 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.
- non-compliance with the warnings on the tractor or in the operator's manual.
- untrained persons carrying out maintenance or repair work.
- unauthorised modifications to the tractor.
 - Material modification.
 - Software modification or addition.
- installation of unauthorised 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.
 - Depending on the tractor equipment, a passenger seat may be used to transport one person.

Safety and accident prevention instructions

This list is not comprehensive. The risks taken in the work space must be continuously evaluated.

- ▶ In all circumstances, respect the legislation relating to driving wheel-fitted farming 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 braking efficiency of towed equipment if it 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:
 - ▶ 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 systems are operating correctly.
- ▶ The signalling devices must be clearly visible.
- ▶ The working lights must under no circumstances be lit 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 tool 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 leaving 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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