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**TALOS 130-120**

**User manual**

**Original user manual**

## Validity of the user manual

This user manual is valid for the following tractors:

Designation	Type	Tractor serial number	
		From	To
TALOS 120	A38	217301xxxx	
TALOS 130		217401xxxx	

The user manual describes the possible equipment for your tractor. Your tractor's equipment is listed in your order confirmation.

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# Safety and accident prevention instructions

This list is not comprehensive. Permanently evaluate the risks taken in the work space.

- ▶ 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.
- ▶ Never exceed the authorised tow weights for the tractor.
- ▶ Before any movement, check the tractor's brakes.
- ▶ Before any movement, check the braking efficiency of rolling implements if they have 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 shut when driving 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 equipment 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 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 instructor'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.
- ▶ Ensure that nobody is standing in the risk zone between the tractor and implement.
- ▶ Ensure that nobody is standing next to the lifting zones.
- ▶ Ensure that nobody is present near the wheels before using 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.
- ▶ Lower the implements to the ground before exiting the tractor.
- ▶ 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.
- ▶ Always use protective equipment appropriate for the work to be performed (safety shoes, gloves, overalls, mask, boots, etc.).
- ▶ Extended exposure to a high noise level may cause hearing conditions, even deafness. To avoid these risks, wear hearing protection such as ear plugs.

- ▶ Keep sufficient distance between power lines and the tractor/implement assembly.
- ▶ Each time the tyres are replaced or swapped, a new check should be carried out if tyres other than those originally designed for the model are to be used.
- ▶ The following 2 conditions should be observed when hitching a trailer or implement:
  - ▶ The limit values authorised by the hitches.
  - ▶ The limit values authorised by the country's traffic regulations.
- ▶ Above a certain size, the trailer or the rolling implement hitched to the tractor must be equipped with a braking device.
- ▶ Check the compatibility of the pressure (hydraulic or pneumatic) delivered by the braking device of the tractor's trailer (depending on equipment) with the pressure accepted by the rolling implement.
- ▶ Periodically check (or have checked) the condition of the brakes on rolling implements hitched to the tractor (a rolling implement with a faulty braking device will risk the safety of the trailer by overloading the braking device of the tractor). CLAAS declines any liability in relation to the poor maintenance (or adjustment) of the braking device of the rolling implement hitched to the tractor.

## Driving the tractor

- ▶ Do not enter or exit the tractor when it is in motion.
- ▶ Adapt the speed to the conditions of the environment in which the tractor is used.
- ▶ On journeys involving travelling downhill, use the engine brake and maintain a suitable speed.
- ▶ Consider the wheelbase and the inertia mass of hitched implements.
- ▶ Caution: risk of overturning.
- ▶ Do not turn sharply when working on slopes.
- ▶ During a break in work, even if only brief, stop the engine and apply the handbrake.
- ▶ Lower the implements to the ground before exiting the tractor.
- ▶ Consider the wheelbase and the inertia mass of hitched implements.
- ▶ Start turning in good time.
- ▶ Do not correct the tractor's steering suddenly when turning.
- ▶ When changing direction, observe traffic carefully on both sides.
- ▶ When travelling with a trailer or a hitched implement, check the steering angle in order to prevent the implement from making contact with the tractor (for example, with the tractor tyres). In case of contact, decelerate the load immediately. If necessary, reverse the tractor and take the bend with a wider radius.
- ▶ With large steering angles, implements may protrude past the outer edge of the bend. Beware of any persons or obstacles on the edge of the road as well as traffic in the opposite direction.
- ▶ In the event of malfunctions on major safety components such as the steering or brakes:
  - ▶ Immobilise the tractor immediately in a safe location.
  - ▶ Switch off the engine.
  - ▶ Chock the tractor's wheels.
  - ▶ Call an approved CLAAS distributor before using the tractor again.

# Checking the condition of the tractor

Maintaining the tractor in the best possible condition, by carrying out all routine maintenance (oil changes, level checks, overhauls, adjustments and thorough cleaning) will allow the efficiency and safety of the tractor to be optimised when working.

Check the following items first:

- ▶ High-temperature components:
  - ▶ Check that airborne particles (straw, grass, wood chips, etc.) do not accumulate in high-temperature areas.
  - ▶ Clear debris from around the engine and the exhaust system.
  - ▶ For implements hitched on the front/rear or sides of the tractor, inspect and clean the areas where various types of material can accumulate.
- ▶ Brakes:
  - ▶ Check that the brakes work properly.
  - ▶ Check the operation of the handbrake and service brake.
  - ▶ Check that when the brakes are activated (service brakes or handbrake), the tractor's front axle is engaged (for tractors equipped with four-wheel drive).
- ▶ Steering:
  - ▶ Check the operation of the hydrostatic steering.
- ▶ Transmission:
  - ▶ Check the transmission oil level (especially if external auxiliary hydraulic systems are used).
- ▶ Hydraulic circuit:
  - ▶ Check the condition of the circuit (unions, pipes, hoses), particularly that of the steering actuator supply hoses with double-action through-rods.
- ▶ Electrical circuit:
  - ▶ Check the condition of the electrical system (cables, headlights, indicator lights, hazard lights, warning beacons, windscreen wipers, etc.).
- ▶ Lighting - indicators:
  - ▶ All lighting and indicating equipment must not only be in working order, but must be fully visible; clean it if necessary.
  - ▶ Carry a spare set of bulbs.
  - ▶ Replace any defective element.

Only fit original CLAAS parts. Approved CLAAS distributors are available to supply all parts and products required for maintaining your tractor in perfect condition.

Using components which are not checked or authorised by CLAAS reduces the efficiency and safety of the tractor when working and travelling.

## **Climbing into and out of the tractor**

The step used to access the cab must be cleaned regularly to prevent falls or slipping when climbing in and out of the cab.

### **Climbing into the tractor**

To climb into the tractor:

- ▶ Position yourself in front of the step for accessing the cab (depending on equipment).
- ▶ Open the door (depending on equipment).
- ▶ Grip the handrails.
- ▶ Climb the steps one by one.
- ▶ Sit in the seat.
- ▶ Close the door (depending on equipment).
- ▶ Fasten the seat belt around your body.

### **Climbing out of the tractor**

To climb out of the tractor:

- ▶ Lower the implements to the ground.
- ▶ Check that all the controls are disengaged.
- ▶ Apply the handbrake.
- ▶ Stop the engine.
- ▶ Remove your seat belt.
- ▶ Get out of the seat.
- ▶ Open the door (depending on equipment).
- ▶ Turn around in the cab or on the platform to face the tractor while descending.
- ▶ Grip the handrails.
- ▶ Climb down the steps one by one.
- ▶ Close the door (depending on equipment).

## Passengers

- ▶ Transporting passengers on the tractor is forbidden.

# Cab

## Safety structure of the cab

The cab of TALOS tractors has undergone the official tests of the OECD and of the European Community. Following these tests, the cab of TALOS tractors has been "ROPS" (Roll Over Protective Structure) and "FOPS" (Falling Object Protective Structure) certified. These certifications demonstrate that the cabs on TALOS tractors can reduce the driver's risk of being crushed if the tractor rolls over or objects fall onto the cab. To ensure this, the driver must already be in the seated position with the seat belt fastened.

The platform version of the TALOS tractor is only "ROPS" certified. If the tractor rolls over, the driver must already be in the seated position with the seat belt fastened, and holding firmly onto the steering wheel. Do not attempt to leave the driver's position.

CLAAS accepts no responsibility for any accident (impact or tractor rolling over) resulting from the cab exceeding the test loads.

An operator protective structure (cab or roll hoop) damaged (warped) in an accident must be replaced rather than repaired.

If devices or functions not planned in series or as options are to be adapted, consult an approved CLAAS distributor. Indeed, you may not drill, weld or cut cab elements, as these interventions alter the cab or roll hoop, which is no longer compliant with its homologation.

## Polluted environment



**DANGER**

The cab offers effective protection against dust, but not against aerosols or vapour.

Certain phytosanitary products used to treat crops are particularly dangerous.

- ▶ Read the user manual for phytosanitary products and the implement used for spraying carefully before use.



**DANGER**

Cab filters which have been used during spraying of phytosanitary products.

Hazardous to health.

- ▶ After spraying phytosanitary products, dispose of the cab filters rather than cleaning them.
- ▶ Dispose of cab filters in accordance with the regulations in force concerning equipment containing or having contained phytosanitary products.

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If the work is to be performed in a polluted or hazardous environment, apply the following recommendations:

- ▶ Always use personal protective equipment appropriate for the work to be performed (mask, goggles, overalls, gloves, boots, etc.).
- ▶ Always use suitable personal protective equipment when spraying phytosanitary products.
- ▶ Undertake appropriate training to guarantee efficient and correct use of the equipment used to spray phytosanitary products.
- ▶ Undertake appropriate training to guarantee efficient use of personal protective equipment during operations carrying risks, such as the spraying of phytosanitary products.
- ▶ Do not place containers containing or having contained hazardous products inside the cab.
- ▶ Remove contaminated shoes and clothing before entering the cab.
- ▶ Clean inside the cab regularly.



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- ▶ Check that the cab filters are in good condition and installed properly. Check that the seals on the cab filters are in good condition and serviceable.
- ▶ Replace the cab filters if they show signs of holes or other damage.
- ▶ After spraying phytosanitary products, dispose of the cab filters rather than cleaning them.
- ▶ After spraying phytosanitary products, dispose of cab filters in accordance with the regulations in force concerning equipment containing or having contained phytosanitary products.
- ▶ Use optimum cab ventilation and air recirculation to preserve the air quality in the cab.
- ▶ To install a control box in the cab, optimise the cable routing and seal the installation to prevent polluted air from entering the cab (e.g. during crop spraying with phytosanitary products).
- ▶ Follow the instructions issued by the manufacturers of phytosanitary products, personal protection, filtering elements and spraying implements. Apply the national recommendations on health and safety at work.

The cab is fitted with an external filtering system which significantly reduces the presence of dust in the enclosed cab.

This dust filtering level is achieved only when the following conditions are met:

- ▶ All opening elements must be closed.
- ▶ The cab ventilation must be set to obtain the maximum pulsed air.
- ▶ The cab filters must be cleaned regularly or as required, and replaced at the intervals specified in the maintenance intervals.

## Precautions to be taken before starting up

- ▶ Caution is the best guarantee against any risk of accident.
- ▶ Before starting the tractor, read the operator's manual and all of the safety advice carefully.
- ▶ Take into account all this information when using the tractor. This rule applies to everyone who uses the tractor, or is involved with its maintenance, servicing or inspections.
- ▶ When the tractor is used by a person other than the owner, the latter must provide all explanations necessary to ensure risk-free work.
- ▶ The driving position must be cleaned regularly (instrument panel, steering wheel, floor, pedals, windscreen, rear-view mirrors, etc.) and cleared of any unnecessary or obstructive objects.
- ▶ Before starting the engine, make sure that all controls are disengaged, particularly the power take-off controls.
- ▶ Only start the engine in well-ventilated areas.
- ▶ Make sure there is nobody nearby before starting the tractor.
- ▶ Release the handbrake completely before moving the tractor.
- ▶ Do not start work if the tractor is not working properly.

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