



AVERO 240 / 160

Operator's Manual

Original Operator's Manual

Validity of manual

This manual is valid only in connection with the Operator's Manual of the machine in question. This manual only covers the information deviating from the Operator's Manual.

This manual applies to machine / front attachment:

Designation	Type	Serial number	
		-	-
AVERO 240	451	451 00011	-
AVERO 160	450	450 00011	-

Safety and accident prevention regulations

- In addition to the instructions contained in this operator's manual, also observe the general safety and accident preventive regulations.
- Always check the operating and road safety of the machine before using it.
- Always comply with local traffic regulations when driving on public roads.
- Before starting work, familiarise yourself with all the controls and instruments and their functions. During work or road travel it is too late!
- Before starting the diesel engine ensure that all guards are installed and in their correct position.
- Start the diesel engine only from the operator's seat. Never attempt to start the diesel engine by shortening across the starting motor terminals as the machine may immediately start to move.
- Before starting the diesel engine and before starting up the machine:
 - Ensure that there are no persons / children or objects in the hazard area.
 - Watch out for children!
 - Sound the horn!
- Before driving off:
 - Ensure that there are no persons / children or objects in the hazard area.
 - Ensure adequate visibility!
 - Check if persons / children are present near the machine!
 - Watch out for children!
 - Sound the horn!
- Never run the diesel engine in a closed building!
- Clothing worn by the operator must be close-fitting. Avoid wearing loose jackets, shirts or ties.
- Handle fuel with care. – It is highly flammable. Never refuel the machine in the vicinity of naked flames or sparks. Do not smoke during refuelling.
- Always stop the diesel engine and remove the ignition key before refuelling. Fill the fuel tank outdoors. Clean up any spilled fuel immediately!
- Prevent fires by keeping the machine clean!
- Take care when handling brake fluid and electrolytes.
Toxic and corrosive!
- Stay a safe distance away from low overhead power lines. Pay attention to any broadcast or radio antennas.
- The warning and instruction signs placed on the cutterbar provide important recommendations for safe operating.
These instructions involve your safety – observe them at all times.
Replace any damaged and illegible safety decals immediately.
When parts with safety decals are replaced, ensure that the suitable safety decals are fitted to the new parts.
- Do not stay in the engine compartment while the diesel engine is running.
- Ensure that the access ladder, the platform and other access areas of the machine are always free of oil and grease.

Safety and accident prevention regulations for combine-harvesters

- ▶ Never stand in the slewing range of the unloading auger tube while the engine is running. Instruct other persons, too, to leave this area!

Prior to putting into operation, general

- Observe the permitted axle loads and the total weight!
- Before driving off and starting work, adjust the mirrors so that they enable full view of the road and of the working area behind the machine!
- Check the brake function and the brake fluid level at regular intervals every time before driving off! Use only the specified brake fluid and change it as specified!
Be careful when handling brake fluid.
Toxic and corrosive!
 - Dispose brake fluid properly!
- During road travel, the brake pedals must be coupled with one another.
- Remove any protruding machine parts while travelling on public roads and lanes or fold them into the vehicle profile.
- Check the specified tyre pressure of the drive and rear axle tyres every time before driving off.

Identification of warning and danger signs

In this Operator's Manual, we have marked all points concerning your safety and the safety of the front attachment or of the machine with the symbols below. Please pass all safety precautions on to other users as well.

DANGER

Nature and source of danger

Consequences: death or serious injury

- ▶ Countermeasures
-

WARNING

Nature and source of danger

Consequences: injuries

- ▶ Countermeasures
-

CAUTION

Nature and source of danger

Consequences: material damage

- ▶ Countermeasures
-

NOTICE

Nature and source of information

Consequences: enhanced machine economy or easy assembly

- ▶ Measures
-

Environment!

Nature and source of danger

Consequences: damage to the environment

- ▶ Countermeasures
-

Road traffic

The provisions of road traffic regulations in the various countries may differ. In case of discrepancies between the instructions provided by the manufacturer and the traffic regulations of the relevant countries, the traffic regulations of the countries concerned apply.

The information below primarily refers to the Federal Republic of Germany.

This self-propelled machine usually requires an operating permit and an exceptional approval for driving on public roads.

When travelling on public roads and lanes with this self-propelled machine, all conditions imposed in the operating permit and the exceptional approval must be met.

Documents to be carried on the machine

Besides the driver's licence, the driver must permanently carry the original of the operating permit and of the exceptional approval.

Objects to be carried on the machine

A warning triangle must be carried on all self-propelled machines.

A warning triangle, a warning light and a first-aid box must be carried on all commercially used machines.

In addition, at least one wheel chock must be carried on all motor vehicles above 4 t of admissible gross weight.

CLAAS self-propelled machines are usually equipped with 1 rigid or 2 folding wheel chocks. These may be used on the front wheels only.

Excess-width machines

In case of excess-width self-propelled machines (width exceeding 3 m across tyres), an individual operating permit based on a specific certificate, an exceptional approval according to § 70, section 1 of German Regulations Authorizing the Use of Vehicles for Road Traffic and the exceptional permit according to § 29 of the German Road Traffic Regulations must be carried.

All conditions imposed there must be met and all information observed. Especially the information regarding the marking of excess-width road vehicles must be followed. (two red/white striped warning plates each at the front and the rear, two yellow warning beacons).

The granting of the exceptional approval and the exceptional permit follows different rules in the various Federal States. Information can usually be obtained from the road traffic departments in charge.

Additional weights

Self-propelled machines with a rear steering axle and with front attachments fitted that are approved by CLAAS must be equipped with additional weights acting on the rear axle when driving on public roads.

This is required to ensure that the machine will not lift off at the rear and remain steerable when braking and travelling on slopes.

The required additional weights can be implements, rear-axle weights and liquid filling of the rear axle wheels.

Depending on the type of front attachment and the components fitted on the machine, additional weights must be added at the rear of the self-propelled machines.

Specific relevant information and tables can be requested from CLAAS.

Changes on the machine

When subsequently modifying machine parts whose condition is prescribed or fitting parts that may cause a hazard to other road users when in operation, the operating permit (individual operating permit) and the exceptional approval shall cease to be valid.

Obtaining a new individual operating permit requires that the machine be presented to the technical inspection agency in charge (TUEV, DEKRA) in order to prepare a specific certificate according to 19 of Regulations Authorizing the Use of Vehicles for Road Traffic.

If in doubt whether this is the case, please contact CLAAS as the manufacturer.

Carrying a transport trailer

A transport carriage for front attachments may be carried only when not exceeding the permitted trailing capacity.

When trailing a transport carriage behind the machine, the lighting cable must be connected and the proper condition of the entire lighting equipment must be checked.

Moreover, proper locking of the trailer drawbar must specifically be ensured.

Carrying other trailers in the trailer hitch is **not** allowed to self-propelled combine-harvesters when travelling on public roads.

Registration

All CLAAS self-propelled machines must be marked with 3 top speed decals at the longitudinal sides and at the rear according to § 58 of the Regulations Authorizing the Use of Vehicles for Road Traffic.

As a self-propelled machine with an allowed top speed of **up to 20 km/h**, this machine is subject only to the obligation of having an operating permit. An official number plate is not required.

According to § 4 FZV, however, the first name and the last name as well as the place of residence (company and headquarters) of the keeper must be provided permanently and clearly legible on the left side of the machine.

As a self-propelled machine with an allowed top speed of **more than 20 km/h**, this machine is subject to the obligation of having an operating permit and registration plates fitted.

The obligation of having registration plates fitted is also involves regularly recurring vehicle inspections by a technical inspection agency (TUEV, DEKRA).

Warning beacons

When travelling on public roads and lanes, the yellow warning beacons may be switched on **only** if this is explicitly prescribed in the individual operating permit or in the exceptional approval (e.g. in case of excess width).

Work lights

The work lights must absolutely be switched off when travelling on public roads and lanes.

Folding front attachments

The subsequent fitting of folding front attachments will void the individual operating permit of the machine and the exceptional approval.

Obtaining a new individual operating permit requires that the machine be presented to the technical inspection agency in charge (TUEV, DEKRA) in order to prepare a specific certificate according to 19 of Regulations Authorizing the Use of Vehicles for Road Traffic.

A new individual operating permit must be applied for with the administration authority in charge (registration office) after submitting a new specific certificate and the exceptional approval.

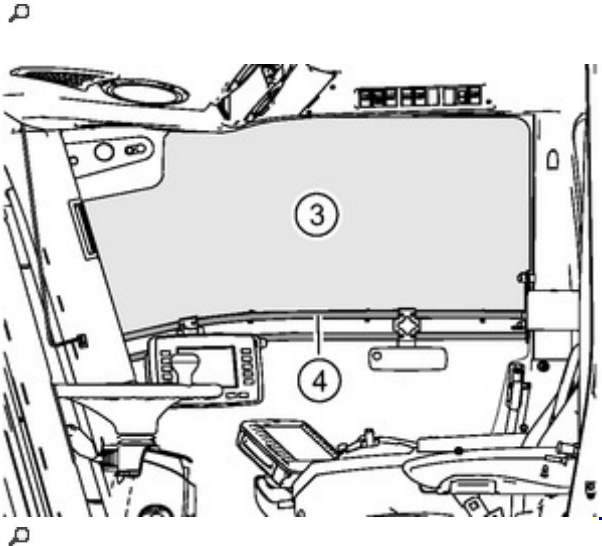
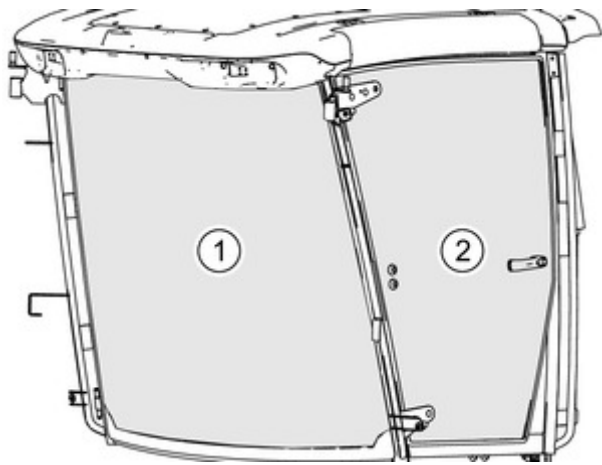
To make the process for obtaining the specific certificate easier for the technical inspection agency, CLAAS can issue a sample certificate while stating the machine type, the serial no. and the year of construction.

Especially the required weight increase on the rear axle must be observed so that the machine will not lift off when braking and remains steerable.

If the required additional weights are missing, the technical inspection agency will usually not issue a specific certificate.

If the machine is a new CLAAS self-propelled machine with a folding front attachment fitted and acceptance has been carried out by the technical inspection agency in the works, the above shall not apply.

General driving operation



- During road travel, the viewing areas (1) and (2) as well as the right viewing area (3) above bracket (4) must not be covered up.
- When travelling on roads with the front attachment raised, the road travel/fieldwork switch must be set to road travel.
- Never leave the operator's platform while driving!
- The machine is allowed to travel on public roads and lanes only with an empty grain tank / bin.
- When travelling on public roads and lanes, the finger bars, crop lifters or divider points of front attachments must be covered up.
- Be particularly careful when crossing level crossings. If crossing a level crossing quickly and without stopping is not possible due to road traffic or because of an obstacle, stop in front of the St. Andrew's cross. Otherwise cross the level crossing without waiting or stopping.
- The driving properties of the machine are influenced e.g. by the road surface and by vehicle-mounted implements. The way of driving must therefore be adapted to the terrain and ground conditions. Be particularly careful when working and turning on slopes and with a filled grain tank / bin. – Never shift gears when driving downhill!
- The ground speed must be adapted to road and traffic conditions in public road traffic so that no persons will be endangered or hindered more than can be avoided.
- The operator must be familiar with the driving properties of the machine and adapt the ground speed to his/her abilities at all times.
- When the diesel engine is Off or when the hydraulic steering force is not available, steering requires a considerably higher effort.
- Stop the machine immediately when detecting any malfunction on the steering or the brake systems. Have faults removed without delay!

Combine harvester driving operation

- When travelling on public roads swing in the grain tank unloading tube all the way.
- When travelling on public roads swing in the grain tank cover all the way.
- Existing traffic regulations must be observed.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com