

AVERO 240

AVERO 160

Operator's Manual

Original Operator's Manual

Validity of manual

Machine	Type	Vehicle identification number	
		From	To
AVERO 240	561	56100011	–
AVERO 160	560	56000011	–

Information about this Operator's Manual

Read this Operator's Manual thoroughly in order to make yourself familiar with safe and correct operation, maintenance and transportation of the machine. This avoids injuries and machine damage. If you cannot understand parts of the Operator's Manual, contact a CLAAS Sales Partner.

This Operator's Manual is part of the machine and must be handed over to the buyer of the machine in case of resale. In case of loss or damage, the Operator's Manual and the safety decals applied to the machine can be reordered from a CLAAS Sales Partner. This Operator's Manual is also available in other languages.

Directions such as front, rear, right and left refer to the direction of forward travel.

Safe handling of operating materials and auxiliary materials

Improper handling of operating materials and auxiliary materials may cause poisoning or even death. Foodstuffs and fodder contaminated with operating materials are a health hazard.

- ▶ Store operating materials and auxiliary materials in a safe, locked area. Never store such substances near foodstuffs or fodder.
- ▶ Keep operating materials and auxiliary materials away from children.
- ▶ Store operating and auxiliary materials in their original containers.
- ▶ Dispose of empty containers responsibly and properly.
- ▶ Separate out contaminated food and fodder and dispose of it properly. Ensure that contaminated food and fodder will not end up in the food chain.

Fuel is harmful to your health

Fuel vapours are carcinogenic. When swallowed, fuel can cause lung damage.

- ▶ Do not inhale vapours.
- ▶ Do not swallow fuel.
- ▶ To prevent skin damage, avoid skin contact.
- ▶ Wear suitable gloves and safety goggles.

Refrigerant is harmful to your health

Refrigerant and its vapours are harmful to your health. Danger of suffocation in closed rooms.

- ▶ Do not inhale vapours.
- ▶ Do not touch refrigerant.
- ▶ Have damage on the air conditioner removed only by a qualified authorized workshop.

Environmental protection and disposal

Operating and auxiliary materials may damage the environment and the health of persons.

- ▶ Use leak-proof and liquid-tight containers when draining operating and auxiliary materials. Do not use any foodstuff containers.
- ▶ Do not let operating materials escape into the environment.
- ▶ Absorb any escaped operating materials with absorbent material or with sand and fill it into a liquid-tight and marked container.
- ▶ Dispose of operating materials filled into containers and rags soiled with oil or grease responsibly and according to regulations issued by authorities.

Keep the cab free of chemicals

Hazardous and aggressive chemicals pollute the air inside the cab. Hazardous substances and substances with aggressive reactions include:

- Solvents
- Fuels
- Oils and greases
- Detergents
- Acids

These chemicals can cling to clothing and can be introduced into the cab this way. Gases and fluids can escape even from closed containers.

The chemicals can impair people's health and their power of concentration and therefore cause accidents. Electrical components can become damaged, e.g. control units and plug-in connections. This can cause malfunctions, system failure or short circuits, which in turn can cause fires or accidents.

- ▶ Keep the cab interior clean.
- ▶ Do not store or transport any hazardous or aggressive chemicals in the cab.
- ▶ Before entering the cab, remove any clothing that may have come into contact with the chemicals.
- ▶ Remove soil and other matter from shoes or boots. The soil may be contaminated with chemicals.
- ▶ If the user instructions for the substance in question state that respiratory protection should be worn, wear respiratory protection in the cab as well. The closed cab does not offer protection against inhalation of vapours, aerosols or dust.

Fire hazard

During operation or due to animals, crop or other combustible material can accumulate. Danger of soiling exists in particular when working in dry conditions and when material is whirled up. Dust, dirt and harvesting residues may ignite on hot components, causing fires and injuring persons.

- ▶ Remove dirt and harvesting residues every day.
- ▶ Carry out all maintenance work at the specified maintenance intervals.
- ▶ Never operate the machine near an open fire.

Possibly lethal electrocution from overhead lines

During operation or when fitted with the components below, the machine may reach the height of overhead lines:

- Grain tank cover
- Grain tank unloading tube
- Antennas

This can make voltage flash over to the machine and cause mortal electrocution or a fire.

- ▶ When opening and closing the grain tank cover, keep a sufficient distance from electric high-voltage lines.
- ▶ Keep a sufficient distance from electric high-voltage power lines when rotating the grain tank unloading tube.
- ▶ Never open or close the grain tank cover near transmission towers and power lines.
- ▶ Never rotate the grain tank unloading tube near transmission towers and power lines.
- ▶ With the grain tank cover open and the grain tank unloading tube rotated out, keep a sufficient distance from electric high-voltage lines.
- ▶ To avoid the danger of electrocution by voltage flash-over, never leave or climb on the machine underneath an overhead line.

Behaviour in case of voltage flash-over from overhead lines and when lightning strikes

Voltage flash-overs and lightning strikes generate high electric voltages on the outside of the machine. Large voltage differences result on the ground around the machine. Long steps, laying down on the floor or supporting your body with your hands on the ground can cause mortal electric currents (step voltage).

- ▶ Do not leave the cab.
- ▶ Do not touch any metal parts.
- ▶ Do not establish any conductive connection with the ground.
- ▶ Warn persons: Do not approach the machine. Electric voltages on the ground can cause serious electrocution.
- ▶ Wait for help by professional rescue personnel. The overhead line must be switched off.

If persons must leave the cab despite a voltage flash-over, e.g. because of imminent mortal danger from fire:

- ▶ Jump away from the machine. Jump so that you land standing upright.
- ▶ Do not touch the outside of the machine.
- ▶ Move away from the machine in small steps.

Electrocution by electrical system

Contact with damaged electrical parts can result in serious electric shock, which could lead to injury or death.

- ▶ Have damaged insulation and electrical system components repaired immediately by a qualified specialist workshop.

Noise may cause health damage

Continuous work with the machine may cause damage to health, such as hearing impairment, deafness or tinnitus. When the machine is used at a high speed, the noise level increases.

- ▶ Before putting the machine into operation, assess the danger from noise. Determine and wear suitable hearing protection, based on the environmental conditions, working hours and working/operating conditions of the machine. In doing so, take into account the sound pressure level.
Sound pressure level and vibrations
- ▶ Establish rules for the use of hearing protection and for the working period.
- ▶ Keep cab doors and windows closed during operation.
- ▶ Remove hearing protection for road travel.

Oscillations may damage your health

Oscillations of the machine/implement combination may cause serious health damage and delayed after-effects. The type of work and of the fitted implements, operating hours, speeds, tyre pressure and ground conditions affect the loads.

- ▶ Adjust the driver's seat to suit the driver.
Driver's seat
- ▶ Measure the oscillations of the machine/implement combination when needed. Select suitable measures for reducing the oscillations. Limit the personal operating hours.

Compressed air

Damaged compressed-air hoses may cause compressed-air system hoses to tear off. Hoses that move around uncontrolled may injure persons seriously.

- Contact a qualified authorized workshop immediately when suspecting that the compressed-air system is damaged.

Toxic exhaust gas

Exhaust gas can cause serious and mortal health damage.

- ▶ Ensure sufficient ventilation while the diesel engine is running so that persons are not permanently exposed to the exhaust gas.
- ▶ When in closed rooms, let the diesel engine run only with a suitable exhaust gas extraction system in place.

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