Elise900

Operation manual

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1. INTRODUCTION TO SAFETY MATERIALS

Machine driver is responsible for a safe operation of the machine during its use. Elise900 is a high-performance loader suitable to a variety of terrain conditions so it is necessary to abide all safety rules to prevent the possibility of injury or death. Machine provider is responsible for a proper training of all drivers. A duty of the provider is to explain all risks connected to machine use and to ensure a proper use. The provider is responsible for demonstration of proper machine control with regard to the training materials (Manual for Machine Maintenance and Operation, Manual for Machine Operation), providing these to all drivers for study:

- Manual for Machine Maintenance and Operation includes all operating information and common maintenance and service procedures.
- Manual for Machine Operation includes all safety rules and elements necessary to be known and observed to avoid injury or death.
- The driver is obliged to familiarize themselves with these documents before using the machine and have them available at any time.
- The warnings in the Manuals, on the machine or inside the machine (safety labels) are necessary to maintain the safety of the driver. Failure to observe or familiarize with these warnings can lead to injury or death.
- The driver is obliged to familiarize themselves with safe loader operation.
- The driver must always wear a protective equipment (protective clothes, protective shoes, protective helmet, protective glasses and protective gloves) according to the conditions, surrounding and load.
- The driver must be physically and mentally fit to drive the loader safely.

2. OVERVIEW OF SAFETY LABELS

- In case the safety labels are damaged, contact the manufacturer immediately with a request to supply new labels and then replace the labels immediately.

WARNING: SECURING ADDITIONAL DEVICE **PLACEMENT: HYDRAULIC ARMS**	Ensure the proper connection of additional device. Improper connection can lead to injury or death.	
WARNING: MOVEMENT NEAR THE LIFTER **PLACEMENT: LOWER PART OF HYDRAULIC ARM**	The movement near the turned on lifter can lead to injury or death. Do not move near the turned-on machine. Do not stand under the lifted arms, nor on the lifted equipment.	
WARNING: OF UPSETTING, OVERTURNING OR LOSS OF VIEW **PLACEMENT: BACK SIDE OF HYDRAULIC ARMS TOWARDS THE DRIVER**	Upsetting, overturning or loss of view from the machine can lead to injury or death. At first always familiarize yourself with the environment in which you will work.	

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WARNING: PROPER LEAVING THE MACHINE CAB

PLACEMENT: IN THE CAB

Before you leave the machine it is necessary to:

1) Lower the lift arms and place the device on the ground.

2) Turn of the motor.

3) Lift up the safety frame.

4) Unfasten the safety belt.

WARNING: FASTEN THE SAFETY SEATBELT

PLACEMENT: IN THE CAB

Failure to fasten the seatbelt can lead to injury or death.

Always ensure the seatbelt is fasten before you start operating the machine.

WARNING: ACCIDENTAL LOADER MOVEMENT

PLACEMENT: IN THE CAB

Accidental machine movement can lead to death.

Familiarize yourself with loader control - travel and hydraulics before you start working.

WARNING: RISK OF PRESS

PLACEMENT: ON LIFTING ARMS

Do not get close to a loader while in operation.

Movement near the started loader can lead to injury or death.

WARNING: DANGER OF FALLING

PLACEMENT: IN FRONT SIDE OF THE LOADER

Do not transport other persons.

Do not use the loader for lifting persons or as a work platform.

WARNING: FLUID UNDER HIGH PRESSURE

PLACEMENT: IN THE CAB

Read the User Manual for Operation and Maintenance to prevent fluid leakage from the machine.

Leaking fluid that is under high can cause injury or death.

WARNING: POSSIBLE BATTERY EXPLOSION

PLACEMENT: ON THE BATTERY COVER

When the battery is being charged, it may explode. Read the User Manual for Operation and Maintenance before handling the battery.

An explosion of the battery can cause injury or death.

WARNING: READ ALL THE SUPPLIED MANUALS FOR THE MACHINE OPERATION

PLACEMENT: IN THE CAB

Do not use the loader without reading Manual for Maintenance and Operation and Manual for Operation.

Ignorance of maintenance procedures and work with the loader can result in injury or death.

WARNING: GETTING TRAPPED IN PARTS OF THE LOADER

PLACEMENT: IN FRONT SIDE OF THE LOADER

Do not touch the places where any part of the loader is moving.

When the loader is moving the limbs may get trapped in the loader which can lead to injury or death.

WARNING: FALL IN A SLOPE

PLACEMENT: IN FRONT SIDE OF THE LOADER

Do not stand under the loader scoop or arm.

The moving loader can cause a fall or possibility of getting stuck under the lifting equipment of the loader which can result in serious injury or death.

WARNING: OVERTURNING THE MACHINE IN THE SLOPE

PLACEMENT: IN THE CAB

In the slopes, drive the heavy side of the loader towards the hill.

Driving with the arms lifted can cause the loss of stability and overturning of the loader resulting in injury or death.

WARNING: OVERTURNING THE MACHINE AS A RESULT OF IMPROPER OPERATION

PLACEMENT: IN THE CAB

Do not drive nor turn with the arms lifted.

Load, unload and turn the machine on the straight surface.

Do not exceed the permitted operating capacity.

WARNING: DANGER OF CRUSHING A BODY PART

PLACEMENT: IN THE CAB

When working on an unstable surface or in a hazardous environment, use the stand to secure the machine.

An unsecured machine can cause injury or death.

WARNING: DANGER OF PARTS EJECTED INTO THE FACE

PLACEMENT: IN THE CAB

When working with the machine, the object may be thrown into the face of the machine operator. Always check the work environment and wear protective clothing (protective shield).

Not using protective equipment can result in injury or death.

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3. SUMMARY SAFETY RULES

Before the start of operation the operator must have all the necessary instructions for the machine operation. The untrained operators can cause injury or death.

Do not use the loader without completed training. Read the labels (stickers) on the machine, Manual for Maintenance and Operation and Manual for Operation.

Always use the safety frame and keep the safety seatbelt tighten.

Keep your feet always on the footrests while operating the machine.

Do not use the loader without the cab with the homologation ROPS and FOPS.

Do not use the loader as a platform for lifting the person.

Do not use the loader in the environment with air containing explosive dust or explosive gases or where the loader may come into contact with flammable material.

Never transport other persons.

Make sure no authorized persons are in the work area.

Keep the scoop and other devices as low as possible.

Do not drive nor turn the machine with the arms lifted. Load, unload and turn the machine on the straight surface.

Do not exceed the rated operating capacity of the loader and individual additional devices.

Do not operate the loader while or after ingestion of drugs, alcohol or medication affecting the reactions of a person.

Do not leave the motor turned on and arms lifted without any supervision.

While parking lower the devices straight to the ground.

Do not adjust the work equipment. Use only the equipment approved by the company Kovaco Electric for the given loader model.

The braking distance is extended during the travel of loaded loader. Therefore, take extra care while working on a sloping, muddy, icy or uneven surfaces.

Before the use, check the technical condition of the loader.

Damaged components need to be replaced immediately. Check the tire pressure regularly.

For loading the material and travel with the material do not exceed the speed of 6 hm/h.

Keep the operated device in the lowest possible position while driving.

Do not lift the load to extreme heights during the travel in the slope.

Pay attention to the condition of the terrain (evenness, strength).

Avoid rapid brakes or rapid turns while driving with a load.

Keep a safe distance from power lines while working near them.

Do not stick the limbs or any objects out of the side grilles and boarding opening of the loader.

4. MANDATORY ACTIONS BEFORE LAUNCHING THE LOADER

1. Tighten carefully the safety seatbelt.
2. The safety frame must be lowered and clicked shut (closed).
3. Keep your feet on the footrests and hands on operating levers.
4. Make sure there is no other person or living creature in the driving area.
5. Make sure the windows are clean and you have a good view.
6. Set your rear-view mirrors properly for a good view.

5. SAFETY EQUIPMENT

The loader Elise900 must be always equipped with safety components during every use. Information about the safe use of equipment and devices will be provided by your dealer.

SAFETY EQUIPMENT:

1. **SAFETY SEATBELT:** Always check out the fastening components and make sure neither the belt nor clip are not damaged.
2. **SAFETY FRAME:** If it is lifted, operating components of the loader must be blocked.
3. **CAB (ROPS and FOPS construction):** Must be assembled to the loader and all connecting components must be tightened.
4. **MANUAL FOR OPERATION:** Must be placed in the cab.
5. **SAFETY LABELS (STICKERS):** Replace them in case of damage.

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