

MiniZ400

Operation manual



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1. INTRODUCTION TO SAFETY MATERIALS

The user using the machine is responsible for a safe operation of the machine during its use. MiniZ 400 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 users. 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 users 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 user 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 user is obliged to familiarize themselves with safe loader operation.
- Ⓚ The user 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 user 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 move below 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.	



WARNING: ACCIDENTAL LOADER MOVEMENT PLACEMENT: ON THE LOADER	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: ON THE LOADER	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: ON THE LOADER	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: ON THE LOADER	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: ON THE LOADER	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: ON THE LOADER	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: ON THE LOADER	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.	

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.



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

While parking lower the devices straight to the ground.



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



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



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.



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.



Never transport other persons.

Make sure no authorized persons are in the work area.



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

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



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.



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

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



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



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

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



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



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

4. MANDATORY ACTIONS BEFORE LAUNCHING THE LOADER

- Before putting the loader into operation, make sure that its safe operation is guaranteed (see chapter 9.2. Operation and maintenance manuals).
- Do not remove or turn off safety devices or switches.
- Make sure there is no other person or living creature in the driving area.
- Open the upper hydraulic cover.
- Turn the connector to the correct position and push it in as far as it will go.

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:

- MANUAL FOR OPERATION:** Must be placed in the cab.
- SAFETY LABELS (STICKERS):** Replace them in case of damage.



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