
2. Operating the truck

This chapter presents instructions on operating the truck. The content is based on the user's manual. The chapter does not contain the entire material of the user's manual and should not be used as such. It is intended as a reference source for maintenance personnel, so that a separate user's manual is not required. The chapter covers, among other topics, usage safety, the recommended usage environment, the truck's controls, handling loads and charging the batteries.

2.1. Safety guidelines for use

This section presents safety guidelines for operating the truck in normal circumstances. Please refer to *Section 3.1 Safety guidelines and preparation* and *Section 3.2 Maintenance guidelines* for information on safety and preparation for maintenance tasks.

The trucks have been designed and built to operate in an indoor environment. They are intended for handling and transporting goods and materials preferably on pallets. Do not use the truck for any other than the intended purpose. Follow the operating instructions in this section or in the user's manual. A truck may cause danger to persons or materials if operated incorrectly. Do not attempt to use a truck before you have familiarised yourself with its operating instructions.

The trucks covered in this manual conform to the EN 1726-1 standard, which ensures their safety according to the EU machine directive 98/37/EC. The trucks also conform to the EN 12895 standard, ensuring their safety according to the electromagnetic compatibility (EMC) directive 89/336/EEG. The trucks are designed for light and heavy industry use (EN 50081-1 and EN 50082-2).

The most important safety guidelines are mentioned in this manual. Regulations vary from country to country, and you are expected to be familiar with the regulations and standards valid in your area.

2.1.1. Instructions for site supervision

- Familiarise yourself with the truck's operating instructions.

- Train the truck's operators in the use, safety and regular maintenance of the truck.
- Control that the operating and maintenance instructions, and safety regulations are followed.

2.1.2. Occupational safety

- Keep the truck clean and in good working order. Carry out the daily and weekly maintenance checks according to the maintenance schedule and instructions to avoid faults and operational errors.
- If you notice any faults or deficiencies that may effect the safe operation of the truck, take the truck out of operation immediately until the faults or deficiencies have been fixed.
- Do not repair the truck without permission from the site supervisor.
- In the event of a malfunction, switch off the truck's power and notify the site supervisor.
- When using the truck, you are responsible for both your safety and the safety of your environment.
- Immediately notify the site supervisor of an accident or injury. In such a case, leave the truck at the location of the accident.
- Do not use the truck for a purpose or in an environment for which it is not intended. The truck must be specifically equipped for use in a cold environment.

2.1.3. Requirements for the truck operator

- At least 18 years old.
- Sufficient physical (e.g. good hearing and sight) and mental abilities for operating the truck without risks.
- Appropriately trained, and familiar with the appropriate operating, safety and maintenance instructions.
- Has permission from the site supervisor to operate the truck.

- Knows and masters the driving and operational features of the truck.

2.1.4. Emergency procedures

If the truck or a load falls over or down on a ramp, release your grip from the tiller and warn people near you. If the truck malfunctions, release the tiller arm to the upright position or push it down completely. This disables the driving circuitry. In case of a malfunction, always power down the truck either normally or by pressing the emergency stop button on the main panel, if possible.

2.1.5. Noise

During use, the truck may subject the user to a noise level of 76 dB (A).

2.1.6. Work in dangerous environments

Trucks used for working in areas susceptible to fire, explosion or other hazards must be specially equipped. A standard truck is not suitable for work in hazardous environments. Contact your supplier for specially designed and equipped trucks suitable for hazardous environments.

2.1.7. Repairs and structural modifications

Do not modify the truck without the manufacturer's express permission. Do not add, remove, weld or bend any parts, as the modifications could affect the operation of the truck, weaken its construction and cause a safety hazard.

2.2. Operating environment

Use the truck in dry, indoor facilities with hard, even and level floors. You can operate the truck continuously in temperatures between +5°C and +25°C, and for short periods in temperatures between 0°C and +45°C. If you require a truck to operate in temperatures below 0°C, contact your supplier to obtain a truck outfitted with optional cold store equipment. Such a truck can be used in temperatures down to -35°C.

Never use the truck:

- To transport or lift people
- In environments with a fire hazard
- In environments with an explosion hazard
- At premises with insufficient floor load capacity
- If it is damaged
- As a mounting surface
- To tow another truck
- Under the influence of intoxicating substances

2.2.1. Free space

Make sure that the truck has sufficient moving space with respect to overhead structures and other obstructions. Before driving through aisles or door openings, ensure that there is enough space for the truck, the load and yourself. Reduce your driving speed in confined spaces.

NOTE Always drive at a safe distance from the edge of loading platforms or bridges.

2.2.2 Bearing capacity of the floor

Make sure that the combined weight of the truck and the load does not exceed the bearing capacity of the floor or driving surface.

2.2.3. Using elevators

Obtain permission from the site supervisor to use an elevator to transport the truck between floors. Make sure that the combined weight of the truck, the load and any persons present does not exceed the maximum load capacity of the elevator. Always drive the truck into elevators and any other narrow spaces with the load in front.

NOTE Make sure that there are no people in the elevator when driving the truck in or out. The parking brake of the truck must be on before the elevator moves. Release the tiller arm to the upright position to deactivate the drive and engage the parking brake.

2.2.4. Working on ramps

Obtain permission from the site supervisor to drive the truck on a slope or ramp. When the truck is loaded, travel with the load pointing uphill. Without a load, you can travel with the forks pointing downhill.

NOTE Do not turn the tiller arm abruptly on a ramp, as the truck might overturn.

2.2.5. Working on loading bridges

Always check the bearing capacity and the security of the bridge before loading or unloading. If you need to drive the truck into a vehicle, ensure that the vehicle cannot move during this procedure. Do not drive too near the edge of a loading bridge because there is always a risk of the truck overturning.

2.3. Control devices

The truck has control devices in two locations: the main control panel and the tiller arm head assembly. The main panel houses the main key switch, the charging safety socket and plug, and different operational indicators. The tiller arm head assembly houses the controls needed to drive and use the truck.

2.3.1. Main control panel

The main control panel is located on top of the main truck chassis.

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