



Automated Guided Vehicle System pallet truck **ERE 225a**

Lift height: 122 mm / Load capacity: 2500 kg

The powerful AGV-S

On the long haul.

For multi-pallet transport

Our advanced and efficient ERE 225a is an Automated Guided Vehicle System (AGV-S) based on our standard trucks in order to sustainably optimise your warehouse processes. Automation is particularly feasible when used for consistent, recurring transport tasks. The automated pallet truck convinces with its future-proof navigation components, sophisticated safety features and powerful three-phase AC drive technology. A robust design, variable fork lengths and high load capacities of up to 2,500 kg enable efficient and ergonomic operations on long-haul routes as well as multi-pallet transport. Our AGVs are piloted by laser navigation using reflectors installed on the ground, allowing for extremely precise positioning that is accurate to the millimetre. Whether in mixed operations, integrated into an existing factory structure or as a stand-alone solution – the modular system allows flexible adaptation to changing warehouse requirements.



5 years carefree. Guaranteed.

Extremely fast charging times and zero maintenance make lithium-ion batteries by far the most enduring energy source. With our 5-year guarantee on lithium-ion batteries, we give you a long-term performance promise, regardless of operating hours.



100% satisfaction. Guaranteed.

We are convinced our lithium-ion technology is right for you. That's why we guarantee that you can easily and quickly switch back to the technology you originally used at any time within the first 6 months after delivery – without giving reasons.

All benefits at a glance:

- High capacity
- Optimized transport routes
- Utilisation of existing routes
- Short payback period thanks to process optimisation
- Precise pallet handling thanks to laser navigation

Your Jungheinrich pallet truck for maximum customer benefits.



Efficiency

Maximum performance with the most efficient automation solution.

Innovative energy concepts ensure optimum output in every work situation – even in 24/7 use.

Established standard truck used as basis

- Standard truck ERE electric pedestrian pallet truck combined with appropriate safety technology as well as automation and navigation components.
- Simple manual operation in mixed mode is performed via the standard controls of the production truck.

Efficient drive technology and equipment

- AC drive technology.
- High capacity (up to 2,500 kg).
- Robust design.
- Variable fork length.

Lithium-Ionen-Technology

- High availability thanks to extremely short charging times.
- No battery exchange required.
- Saving costs due to longer service life and zero maintenance as compared to lead-acid batteries.
- No charging rooms and ventilation required as there is no build-up of gas.



Safety

Best prerequisites for working safely.

Extensive safety sensors and scanners reliably prevent damage to goods and peripherals.

Safety system on the vehicle

- Standard personal protection scanner in the drive direction scans the travel route in front of the AGV for obstacles depending on the speed.
- Should an obstacle be located in the path of the truck, the AGV will reliably come to a halt in front of it.
- The sensor also scans ahead for obstacles when cornering.
- Side sensors to protect the sides of the truck.
- Emergency disconnect on the truck.

Process reliability in the warehouse

- Everything in view with the FTS control console
- The graphic display on the AGV control panel displays all the information relating to the AGV in use.
- Quick overview of the status of pending transport tasks.
- Prioritised orders can be entered and processed in the corresponding order.
- Depending on the project-specific requirements, individual customer functions can be specially implemented and activated for the respective system.



Individuality

An automated solution as individual as your business.

We make automation easy for you: Benefit from the uncomplicated integration into existing structures and processes.

Simple system integration

- Can be easily integrated into existing IT and network landscapes.
- Effortless connection to existing WMS/ERP system via Jungheinrich Logistics Interface.
- For communication, the existing WLAN structure is used.

Precise navigation

- Millimetre-accurate positioning of trucks and loads at the defined stations.
- Different navigation types can be used as hybrid navigation.
- Project- and environment-specific design and implementation.

Single and multi-pallet transport

- Maximum capacity of 2.5 t for the transport of heavy loads at floor level.
- Optional equipment with long forks for the transport of multiple pallets.

Optional additional equipment

- Charging contact plates on the AGV for automatic battery charging.
- Floor spot.
- Barcode scanner.
- Personal protection system in load direction (on request).
- Obstacle detection scanner.
- Fork tip sensors to detect faulty pallets.

Overview

The right solution for your applications:

Name	ERE 225a
Load capacity/load	2500 kg
Lift height (max.)	122 mm
Retracted mast height (h1)	
Overall length	2403 mm
Overall width	893 mm
Height, lowered	85 mm
Service weight (incl. battery)	
Travel speed unladen	6.1 km/h
Travel speed laden	6.1 km/h
Voltage	24 V

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

**JUNGHEINRICH**