

Mobile robot low-level applications

ERE 225a

Lift height: 125 mm / Load capacity: 2500 kg

LI-ION technology

JUNGHEINRICH

The powerful AGV

for long distances.

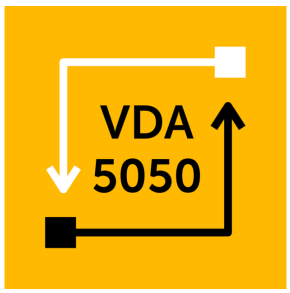
For multi-pallet transport.

As an Automated Guided Vehicle (AGV), our reliable and versatile EREa takes on repetitive transport tasks. With its long forks, the EREa is designed for multi-pallet transport and is therefore the perfect choice for increasing the efficiency of your transport processes.

A 2.8-kW 3-phase AC motor ensures constant performance over long distances. Safety is enhanced by the sturdy construction with its steel frame and enclosed structure.

The use of our Automated Guided Vehicles in mixed operation is guaranteed by safety systems such as the standard personal protection scanners. Depending on the speed, these scanners scan the travel route for obstacles in the drive direction and when cornering. The truck navigates by means of laser navigation. Reflectors on the travel route or a combination of reflectors and environmental features can be used for this purpose.

The AGV developed from our standard trucks can not only be easily integrated into existing IT structures or used as a stand-alone system, but can also be used in existing factory structures or new builds.



VDA 5050 compatibility

Mobile robots from Jungheinrich are VDA 5050-compatible and have a standardised interface for communication with the master control. This enables the mobile robots to be used with manufacturer-independent control systems.

All benefits at a glance

- Compact design for narrow aisle widths.
- Efficient, reliable completion of routine tasks.
- Precise pallet handling and optimised transport routes thanks to precise laser navigation.
- Extensive safety systems for use in mixed operations.
- Short amortisation period thanks to process optimisation.

Your Jungheinrich AGV

for maximum customer benefits.



Efficiency

Maximum performance with the most efficient automation solution.

Rely on an overall concept where intelligent software provides continuously high performance and maximum process reliability.

Established standard truck used as basis

- The basic ERE electric pedestrian pallet truck in combination with comprehensive safety technology as well as automation and navigation components.
- Future-proof investment through design of safety equipment in accordance with current standards.
- Simple manual operation in mixed mode is performed via the standard controls of the production truck.

Efficient drive technology and equipment

- 2.8-kW 3-phase AC drive motor.
- Capacity up to 2,500 kg.
- Sturdy design with steel frame and enclosed frame contours.

Lithium-ion technology

- High availability thanks to extremely short charging times.
- The use of automated charging means no battery exchange is required.
- Cost savings due to longer service life and zero maintenance when compared to lead-acid batteries.
- No charging rooms and ventilation required as there is no build-up of gas.



Safety

Best conditions for working safely.

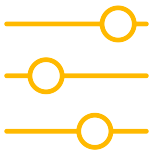
Safety components installed in the truck ensure that you can use the EREa in mixed operations with manual trucks and pedestrians.

Safety system in the truck

- Depending on the speed, the standard personal protection scanner in the drive direction scans the travel route in front of the AGV for obstacles.
- 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.
- Emergency disconnect on the truck.

Process reliability in the warehouse

- Everything at a glance with the AGV control panel.
- 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.

Our Automated Guided Vehicle systems adapt individually to your IT and network landscapes.

Simple system integration

- Integration into existing IT and network landscapes possible.
- Effortless connection to existing WMS / ERP system via Jungheinrich Logistics Interface.
- The existing Wi-Fi structure can be used for communication.

Precise navigation

- Precision 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.

Optional additional equipment

- Charging contact plates on the AGV for automatic battery charging.
- Floor-Spot.
- Bar code scanner.
- Obstacle detection scanner.

Overview

The right solution for your applications:

Name	Load capacity/load	Lift height (max.)	Travel speed unladen	total height
ERE 225a	2500 kg	125 mm	7.2 km/h	2280 mm

The German production facilities in Norderstedt, Moosburg and Landsberg are certified as well as our Genuine Parts Center in Kaltenkirchen.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet European safety requirements.

CE

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