



Automated Guided Vehicle System medium/high level order picker **EKS 215a**

Lift height: 3500-6000 mm / Load capacity: 1500 kg

LION
technology

JUNGHEINRICH

The flexible AGV-S

In flexible use.

For standardised load aids and special load carriers

Our flexible and precise EKS 215a is an Automated Guided Vehicle System (AGV-S) based on our tried-and-tested electric medium/high level order picker, which effectively streamlines the processes in your warehouse in combination with automation and navigation components, as well as future-proof software. Modern 48-V 3-phase AC technology ensures long periods of use without battery charging. Active energy management, regenerative braking, the TÜV-certified CAN-Bus control system and other well-engineered safety components guarantee maximum performance and safety. High flexibility is provided by the adjustable forks, which enable the EKSa to transport special load carriers and closed pallets. The AGV-S works with laser navigation using reflectors on the ground. The AGV-S can be used in mixed operations with manual trucks and pedestrians. Whether integrated into existing structures or as part of a new system – the EKS 215a is the perfect choice.



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:

- Precise pallet handling thanks to laser navigation
- Efficient, process-reliable completion of routine tasks
- ERP connection via Logistics Interface for optimised processes
- Flexibility thanks to adjustable forks
- Short payback period thanks to process optimisation

Your Jungheinrich order picker for maximum customer benefits.



Efficiency

Maximum performance with the most efficient automation solution.

Cost-effectiveness begins with the selection of the correct standard truck and the highest standards in terms of quality.

Established standard truck used as basis

- Standard truck EKS electric medium/high level order picker 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

- 48-V three-phase AC technology for long periods of use without needing to charge the battery.
- Active energy and battery management.
- Energy recovery during lowering and braking.
- Wear-free inversion brake.
- TÜV-certified control system (CAN-bus).

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.

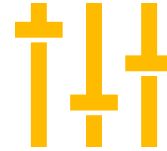
Our AGVs reliably scan the environment in your warehouse for maximum safety on every drive.

Safety system on the vehicle

- Standard personal protection scanner in the drive direction and load 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.

Made to measure: Thanks to advanced technology, order picking is done with precise navigation and millimetre-accurate positioning.

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.

Optional additional equipment

- Floor spot.
- Barcode scanner.
- Obstacle detection scanner.
- Sensors for detecting faulty pallets.

Overview

The right solution for your applications:

Name	EKS 215a
Load capacity/load	1500 kg
Lift height (max.)	6000 mm
Retracted mast height (h1)	3945 mm
Overall length	1405 mm
Overall width	985 mm
Service weight (incl. battery)	3140 kg
Travel speed unladen	7 km/h
Travel speed laden	9 km/h
Voltage	48 V

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

ISO 9001
ISO 14001

**JUNGHEINRICH**