



# Automated Guided Vehicle System Self-Supported Stacker AGV **EKS 215a**

Lift height: 2750-6000 mm / Load capacity: 1500 kg

**LION**  
technology

**JUNGHEINRICH**

# The flexible AGV for flexible mixed operations.

## Automated logistics processes with maximum efficiency.

A compact and versatile Automated Guided Vehicle (AGV), our EKS 215a is the perfect choice for efficient mixed operations with manual trucks and pedestrians in warehouses and production areas.

The 24-V energy concept with lithium-ion battery and automatic charging function ensures maximum flexibility in addition to the modular mast concept, while adjustable forks and a high residual capacity facilitate the handling of special load carriers in stations that cannot be driven under as well as delivery in racks.

A future-proof safety concept with integrated personal protection sensors guarantees a high level of safety in mixed operation and the user-friendly HMI touch display simplifies the interaction between man and machine.

Automate your manual processes with our innovative all-rounder – the EKS 215a.



German quality  
made by Jungheinrich

### German Quality. Made by Jungheinrich

As one of the world's leading intralogistics companies, with more than 65 years of experience, Jungheinrich is always adhering to the concept of quality first. Choose Jungheinrich's products and services, enjoy the quality of Germany and the art of Jungheinrich right now!



Genuine parts  
with fast, reliable service

### Fast, reliable service with genuine parts

Jungheinrich services stand for partnership, trust and the highest quality. We guarantee you, our customers, to trust in our excellent service so that you can feel free to focus on your core business.



### No worries. No compromise

With the Jungheinrich Li-ion Guarantee Plus, we give you a long-term performance promise of up to 5 years on our high quality lithium-ion batteries, so you can completely concentrate on your tasks without worrying.

\* In accordance with our warranty terms - see website for details.

## All benefits at a glance

- Versatile, compact AGV for safe use in mixed operations
- Lifting height up to 6 m and adjustable forks for high flexibility
- Simple operation with intuitive interaction options
- Economical 24/7 operation thanks to lithium-ion technology
- Simple connection to ERP systems via Jungheinrich logistics interface

# Your Jungheinrich high-lift AGV for maximum customer benefits



## Efficiency

Maximum performance with the most efficient automation solution.

Save valuable resources through the clever automation of transport tasks: the EKS 215a is a highly flexible all-round truck for sustainable optimisation of your processes.

### Comprehensive automated components and precise navigation

- AGV based on series components for flexible automation – even in confined spaces.
- Optimum design to meet the requirements for automating manual processes in warehouses and production areas.
- Precise laser navigation using reflectors installed on the travel route – for maximum transport efficiency.

### Compact design

- Extremely compact truck dimensions due to optimum combination of physical and virtual footprint.
- Perfectly suited to narrow working aisle widths (Ast) thanks to maximum manoeuvrability with low space requirement.

### Lithium-ion technology

- 24-V lithium-ion technology with optional automatic charging.
- High availability thanks to extremely short charging times.
- Active energy and battery management.
- No battery exchange required.
- Zero maintenance in comparison with lead-acid batteries.
- No charging rooms or ventilation required as there is no build-up of gas.



## Safety

Best conditions for working safely.

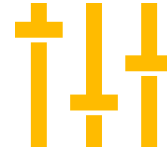
Everything in sight with 360° all-round visibility: our AGVs reliably scan the environment in your warehouse to ensure maximum safety on every journey. Optional scanners or warning fields offer even more protection in mixed operation.

### Intelligent safety functions

- Depending on the speed and steering angle, standard personal protection scanners scan the travel route for obstacles in the drive direction and load direction.
- Protection against damage through integrated safety sensors below the truck frame.
- Smart safety concept with protective and warning fields for efficient layout planning.
- Truck stops automatically in front of obstacles in its path.
- Scanning ahead for obstacles when cornering.
- Emergency disconnect on the truck and emergency control panel.

### High level of process reliability in the warehouse

- Quick overview of the status of pending transport tasks is possible on the control panel and on the HMI.
- 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

A forklift truck as individual as your business.

Create new opportunities for the future with an innovative and technically sophisticated AGV. The modular mast concept and variable equipment features allow configuration entirely in line with your requirements.

### Wide range of applications

- Use in mixed operation, in a new build or integrated into an existing factory structure.
- Transport of special load carriers, closed pallets as well as the operation of stations that cannot be driven under using adjustable forks.
- Connection to existing WMS / ERP system via Jungheinrich logistics interface.

### Intuitive interface

- Status display at a glance.
- 7-inch display with touch function: error codes and handling recommendations for efficient fault rectification.
- Manual intervention option by the operator: AGV can be sent to charge, park or a service location and orders can be specified directly on the display.

### Extended mast grid and increased residual capacity

- Wide range of masts for flexible adaptation to the warehouse layout.
- Higher payload with smaller footprint and simultaneous increase in residual capacity.

# Overview

The right solution for your applications:

Name	EKS 215a
Load capacity/load	1500 kg
Lift height (max.)	6000 mm
Retracted mast height (h1)	2590 mm
Overall length	2492 mm
Service weight (incl. battery)	3280 kg
Travel speed unladen	7 km/h
Travel speed laden	5 km/h
Voltage	24 V

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

ISO 9001  
ISO 14001

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