



Automated Guided Vehicle System stacker truck

ERC 213a / 217a

Lift height: 3100-4400 mm / Load capacity: 1300-1700 kg



The versatile AGV-S for the efficient transport of goods.

For standardised load aids and accessible stations.

As an Automated Guided Vehicle (AGV), our reliable and versatile ERCa takes on recurring transport tasks. Due to its compact design, the ERCa is the perfect choice to boost the efficiency of your transport processes in narrow spaces.

A 2.8 kW 3-phase AC motor ensures constant power and the electrically controlled, high-performance lift motor ensures gentle, quiet lifting and lowering – even at high lift heights. 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 direction of travel, load direction and when cornering. The vehicle 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 stacker truck is based on our tested standard truck and can be easily integrated into existing IT structures or used as a stand-alone system.



**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

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

Your Jungheinrich AGV-S 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 ERC 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. Optional 3.2 kW with the drivePLUS option.
- Automatically controlled high-performance lift motor giving energy-efficient lifting and lowering.
- Sturdy design with steel frame and enclosed frame contours.

Lithium-ion technology.

- High availability thanks to extremely short charging times.
- No battery exchange required.
- Optionally available with automatic charging.
- 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.

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

Safety system installed in the truck.

- 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.
- Emergency disconnect on the truck.

Process reliability in the warehouse.

- Everything at a glance – with the AGV-S 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.
- For communication, the existing WLAN structure can be 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 system enhancements.

- Charging contact plates on the AGV for automatic battery charging.
- Floor spot.
- Barcode scanner.
- Obstacle detection scanner.

Overview

The right solution for your applications:

Name	ERC 213a	ERC 217a
Load capacity/load	1300 kg	1700 kg
Lift height (max.)	4400 mm	4400 mm
Retracted mast height (h1)	2075 mm	2075 mm
Overall length	2393 mm	2393 mm
Overall width	965 mm	965 mm
Height, lowered	90 mm	90 mm
Service weight (incl. battery)	1410 kg	1460 kg
Travel speed unladen	9 km/h	7 km/h
Travel speed laden	9 km/h	7 km/h
Voltage	24 V	24 V

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

ISO 9001
ISO 14001

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