



Automated Guided Vehicle System high rack stacker

ETX 513a / 515a

Lift height: 10000-13000 mm / Load capacity: 1250-1500 kg

 **JUNGHEINRICH**

The automated high rack stacker with wire guidance.

High energy efficiency thanks to man-down concept.

Our flexible and innovative ETX 515a Automated Guided Vehicle System (AGV-S) demonstrates maximum flexibility in automated operation. The standard truck, our tried-and-tested ETX "man-down" high rack stacker impresses with innovative technology, maximum efficiency and outstanding flexibility. Additional components, such as automated control computers, fine positioning systems, curve control as well as centring and contour control facilitate full automation. The reliable wire guidance technology of the standard truck also ensures safe driving anywhere in the warehouse, even in automated operation.

All benefits at a glance

- Flexible automation based on innovative technology
- Various operating modes
- Optimal also for 24/7 operation
- Trackability
- Optimum stacking and retrieval performance

Your Jungheinrich high platform forklift

For maximum customer benefit.



Efficiency

Maximum performance with the most efficient automation solution.

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

Established standard truck used as basis

- Standard truck ETX “man-down” side-seated high rack stacker.
- Advantage of the man-down principle compared to man-up model in the fully automated warehouse: Significant energy saving by doing away with lifting the operator’s cab and its associated weight reduction.
- On-board battery charger, bus bar and current collector for efficient 24/7 operation.



Safety

Best prerequisites for working safely.

Secure communication: The truck communicates with the important control systems via WLAN.

Process reliability in the warehouse

- Reliable wire guidance technology for safe driving anywhere in the warehouse.
- WLAN technology allows the truck to communicate with upstream management and control systems.

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.



Individuality

An automated solution as individual as your business.

Adapt to your requirements: through the option of step-by-step automation of our trucks

Precise navigation

- warehouseNAVIGATION for highly precise approach and positioning of trucks and loads at the defined stations to relieve the operator.
- Millimetre-accurate positioning of trucks and loads at the defined stations.
- Project- and environment-specific design and implementation.

Flexible use and gradual automation

- Changing between manual/semi-automatic/automatic and automation in several stages.
- Flexibility in budgeting and optimising operating costs.
- Reduced wear in comparison with purely manual operation.
- The truck’s cornering ability enables it to reach any storage location within the high-bay racking.

Optional equipment for automation

- Various load handlers (telescopic forks or swivelling sideshift forks).
- Fine positioning systems.
- Cam control.
- Centring/contour control for load units.

Overview

The right solution for your applications:

Name	ETX 513a	ETX 515a
Load capacity/load	1250 kg	1500 kg
Lift height (max.)	10000 mm	13000 mm
Retracted mast height (h1)	3820 mm	3920 mm
Overall width	1210 mm	1210 mm
Travel speed unladen	10.5 km/h	10.5 km/h
Travel speed laden	10.5 km/h	10.5 km/h
Voltage	80 V	80 V

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

ISO 9001
ISO 14001

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