

Medium/High Level Order Picker

EKS 412s

Lift height: 5000-12500 mm / Load capacity: 1200 kg

LI-ION technology

JUNGHEINRICH

The new high performer

for narrow aisles.

For picking heights up to more than 14 metres.

The powerful and efficient EKS 412s medium/high level order picker masters all tasks convincingly while saving energy, even in high-performance operations. Ideally suited for use in narrow-aisle warehouses, the EKS also allows you to achieve a significantly higher picking performance. With an extended mast portfolio, the medium/high level order picker reaches heights of more than 14 metres. Speed and load capacity can be increased as required with individual performance packages. The seamless integration of the EKS into your existing Warehouse Management System by means of warehouseNAVIGATION and RFID technology allows for significantly faster processes.At the heart of the new generation is the synchronous reluctance motor, which maximises efficiency while minimising energy losses. Whether with powerful lithium-ion power or lead-acid batteries and our 2Shifts1Charge guarantee: Our EKS enables you to achieve maximum picking performance with optimum space utilisation and energy efficiency.



No worries. No compromise.

The Jungheinrich Li-ion Guarantee Plus provides you with a long-term performance promise of up to 8 years on our high-quality lithium-ion batteries. We are certain that the high performance and long service life of our lithium-ion technology will convince you. This is why we guarantee that you can easily and quickly switch back to your original technology at any time within 6 months of delivery.



Use your data to your advantage.

Utilise the data from your trucks to save time, energy and costs and increase efficiency. Our Telematics box (ex works) provides you with a free fleet management starter package that can be flexibly expanded with various hardware and software components.

Warranty conditions

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

All benefits at a glance

- 48-V synchronous reluctance drive for maximum efficiency
- Ergonomic and individually adjustable operating concept
- Intelligent system connection via logistics interface
- Optimum view and visibility in warehouse operations
- warehouseNAVIGATION for up to 25% more throughput (optional)

Your Jungheinrich order picker

for maximum customer benefits.



Efficiency

Maximum performance with the most efficient trucks.

The versatile EKS 412s provides maximum picking performance and efficiency, from the first racking level to more than 14 metres in height. Precise, fast and always via the shortest route.

Maximum picking performance

- Synchronous reluctance motor for maximised efficiency with minimum energy loss.
- 48-V control concept: Increased performance despite compact unit – thanks to fewer cables, fewer plugs and reduced energy consumption.
- Area-specific speed profile via transponders.

Cost-effective energy management

- Lead-acid batteries with 2Shifts1Charge: Longer operating times with only one battery charge (up to 2 shifts).
- Active energy and battery management.
- Longer battery life.

Available with lithium-ion-technology:

- High availability thanks to extremely short charging times.
- No battery exchange required.
- Cost savings thanks to freedom from maintenance (when compared to lead-acid batteries).
- No charging rooms or ventilation required as there is no build-up of gas.



Safety

Best prerequisites for working safely.

Your safety is important to us: Technical innovations and a multitude of assistance systems ensure that your employees can concentrate 100 percent on their core tasks.

Integrated personal safety and collision protection system PSS Standard, PSS Plus & PSS Anti Collision (optional)

- On-site integration with the safety computer.
- Project planning, commissioning and maintenance by Jungheinrich.

RFID technology (optional)

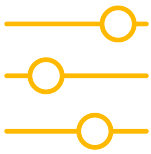
- Truck control with transponder technology.
- Permanent distance measuring for exact positioning within the warehouse.
- High level of safety due to lift/travel cut-outs.
- Travel speeds optimised according to the floor topology.

warehouseNAVIGATION (optional)

- Linking the EKS to the warehouse management system (WMS) via radio data terminal or scanner.
- Direct acceptance of the target destination in the narrow aisle on the truck display.
- Automatic vertical- and horizontal positioning.
- High degree of automation.
- Improved order-picking performance.
- Elimination of incorrect positioning through RFID location detection.

Commissioning and maintenance:

- Fast and reliable commissioning.
- Integrated diagnostic system.
- Maintenance interval of 1,000 operating hours.



Individuality

A forklift truck as individual as your business.

The well thought-out operating concept with the additional integrated viewing windows and an even more user-friendly control panel noticeably relieves the strain on the operator.

Individual, performance-enhancing options

- liftPLUS: Increased lift speed.
- drivePLUS: Increased travel speed.
- capacityPLUS: Increased residual capacity.
- positionCONTROL: semi-automated approach to the lift height.

Ergonomic workplace:

- Optimised operating concept: all information at a glance.
- Best all-round visibility for an overview of every situation.
- Easy entry with low entry height and smooth-running yet robust side barriers.
- Spacious cabin with ample storage.
- Ergonomics package with ergonomic floor mat and foot switch optionally available.

Overview

The right solution for your applications:

Name	Load capacity/load	Lift height (max.)	Travel speed unladen	Lift speed unladen
EKS 412s Z_I	1200 kg	12500 mm	12 km/h	0.5 m/s
EKS 412s Z_SF	1200 kg	12500 mm	12 km/h	0.5 m/s
EKS 412s L_I	1200 kg	12500 mm	12 km/h	0.5 m/s
EKS 412s L_SF	1200 kg	12500 mm	12 km/h	0.5 m/s
EKS 412s O_I	1200 kg	12500 mm	12 km/h	0.5 m/s
EKS 412s O_SF	1200 kg	12500 mm	12 km/h	0.5 m/s

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

JUNGHEINRICH