

Electric front seat / tri-lateral stacker

EFX 411/414

Lift height: 3000-9000 mm / Load capacity: 1100-1360 kg

LI-ION technology

JUNGHEINRICH

The versatile man-down stacker

with the best all-round visibility.

For combined use in narrow and wide aisles.

Our versatile and agile EFX Series 4 tri-lateral stackers are perfect for combined use in narrow and wide-aisle warehouses. The modular truck concept with front seat configuration and side-mounted mast as well as optimum visibility of forks, load and travel route facilitates efficient work according to the man-down principle.

Powerful 48-V 3-phase AC technology guarantees maximum throughput with low consumption, while standard and optional equipment options such as RFID floor control or warehouseNAVIGATION ensure a high degree of precision when driving and positioning.

In addition to various travel assistance systems, the EFX 411 / 414 also impress with their intuitive operating concept. A large display, the adjustable console, spacious shelves and ergonomic controls offer first-class working comfort.



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

- Innovative truck concept with front seat and side mast.
- High compression due to combined use in narrow and wide aisles.
- Unrestricted view of forks, load and truck.
- Regenerative braking and lowering.
- A wide range of equipment options and assistance systems.

Your Jungheinrich high rack stacker

for maximum customer benefits.



Efficiency

Maximum performance with the most efficient trucks.

Recover valuable energy: regenerating battery energy through regenerative braking enables our EFX 411 / 414 to work with particular persistence and efficiency.

Increased energy efficiency

- High torque and maximum throughput with low energy consumption.
- Doubled energy recovery through regenerative braking and lowering.
- Extended operating times of up to 2 shifts with one battery charge.
- Longer battery life and shorter charging times.

Ease of commissioning and low maintenance

- Quick and reliable commissioning through teach-in process.
- Maintenance interval 1,000 operating hours.
- Electronics with wear-free sensor technology.

Available with lithium-ion technology

- High availability thanks to very short charging times.
- Maintenance-free operation and up to 3 times greater service life in comparison with lead-acid batteries.
- Ideally suited for multi-shift operation thanks to booster and rapid charging capability.
- No battery exchange required.



Safety

Best conditions for working safely.

Always the shortest route to the destination: thanks to RFID floor control and other optional assistance systems, you enjoy maximum process reliability when working with the EFX.

Optionally available RFID floor control

- Truck control with transponder technology.
- Distance measurement for precise identification of all warehouse areas.
- High degree of flexibility in terms of switching functions.
- Speed profiles adapted to the floor topology.

Optionally integrated personal protection system (PPS)

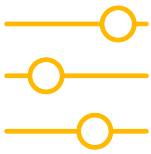
- Factory integration in the safety computer.
- Project planning, commissioning and maintenance by Jungheinrich.

Optional warehouseNAVIGATION for narrow aisles

- Warehouse navigation for maximum precision during storing and removal.
- Direct transfer of the destination position by the truck computer.
- Automatic vertical and horizontal positioning.
- RFID location detection prevents trucks travelling to incorrect destinations.
- Effective prevention of damage to racks and goods.
- Productivity increase by up to 25%.

Additionally available assistance systems

- positionCONTROL in wide aisles: for efficient stacking at defined heights.
- Fork carrier camera for best view at high lift heights.



Individuality

A forklift truck as individual as your business.

Lift heights up to 9 m, three mast variants and sophisticated, ergonomic equipment features make our EFX trucks accomplished helpers in the warehouse.

Different mast variants

- Triplex telescopic mast for high lift heights.
- Duplex mast ZT for medium lift heights.
- Triplex mast DZ for medium lift heights with free lift.

Advanced ergonomics

- Comfortable, generously dimensioned entry.
- Sprung, vibration-cushioned comfort seat.
- Infinitely adjustable control panel.
- Softkey membrane key with numeric keypad.
- Limit position / transition cushioning for all hydraulic functions.

Extensive additional equipment

- Control and CAN bus system.
- Mechanical rail guidance.
- Wire guidance for precise navigation without mechanical loading of components.
- Synchronised swivelling.
- Modular system for lift and travel cut-outs as well as speed reductions.
- Radio data terminal with mechanical and electrical interfaces for material flow management systems.
- Jungheinrich FMS fleet management system for efficient and cross-site control of the truck fleet.
- Seat belt with monitoring.

Overview

The right solution for your applications:

Name	Load capacity/load	Lift height (max.)	Travel speed unladen	Lift speed unladen
EFX 411	1100 kg	7000 mm	9 km/h	0.45 m/s
EFX 414	1360 kg	9000 mm	9 km/h	0.45 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

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