



## **Electric front seat / tri-lateral stacker** **EFX 411 / 414**

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

# 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

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.



## 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.

\* 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: regenerative 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)

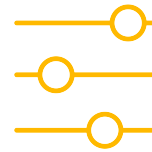
- Factory integration in the safety computer.
- Project planning, commissioning and maintenance by Jungheinrich.

### 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.
- Safety 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.

 **JUNGHEINRICH**