

Electric forklift trucks.

The perfect combination
of performance and efficiency.



INTRO

HIGHLIGHTS

Equipped with superior lithium-ion technology or lead-acid batteries, the EFG trucks from Jungheinrich impress with a wealth of tangible benefits. 03

THE EFG SEGMENT

SERIES 1**110 | 110k | 113 | 115**

Optimum ergonomics and precise manoeuvrability thanks to compact truck dimensions. 04–05

SERIES 2**213 | 215 | 216 | 216k | 218 | 218k | 220**

Agility in the tightest spaces with market-leading visibility levels. 04–05

SERIES 3**316 | 316k | 318 | 318k | 320**

A perfect blend of agility and stability, even on very uneven surfaces. 06–07

SERIES 4**425 | 425k | 430 | 430k | S30**

Power and stamina for flexible use in indoor and outdoor areas. 08–09

SERIES 5**535 | 535k | 540 | 540k | 545 | 545k | 550 | S40 | S50**

The high-performance truck for the heaviest loads and attachments. 10–11

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LITHIUM-ION ENERGY

The longest-lasting energy carrier by far thanks to ultra-quick charging times and zero maintenance requirements. 12–13

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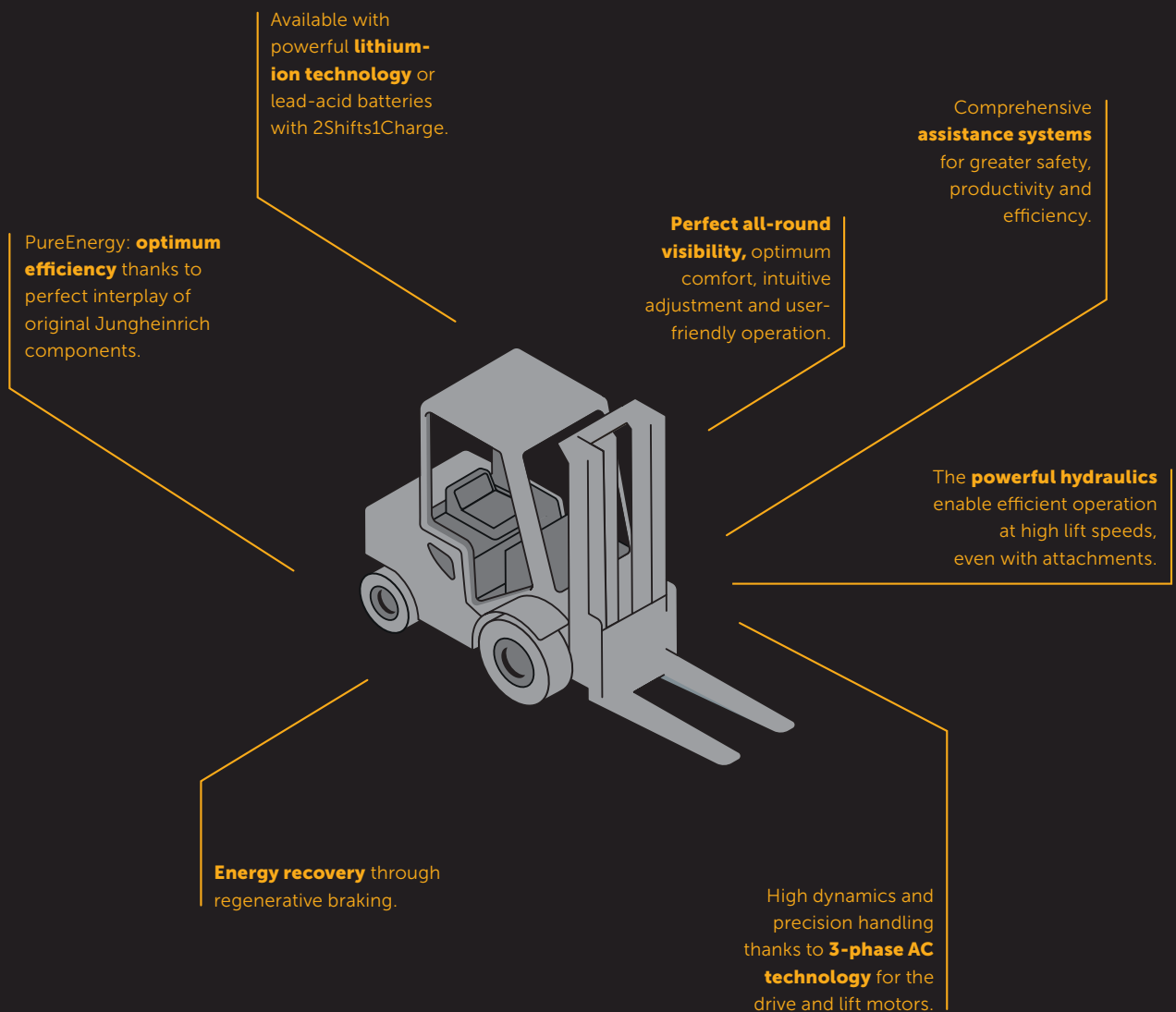
Every warehouse environment, every load and every operator is different. We can tailor your truck to suit all needs. 16–17

JUNGHEINRICH FACTS

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The Jungheinrich EFG electric forklift trucks.

The main benefits at a glance.



Our agile and versatile EFG electric forklift trucks are designed to offer maximum performance combined with minimal energy consumption. By opting for an EFG equipped with superior lithium-ion technology, you will leave the competition behind.

Energy recovery with regenerative braking on the **EFG 110**.



The **EFG 110** – panoramic mast for perfect visibility.



The powerful hydraulic system enables the **EFG 216k** to achieve very high lift speeds.

The ergonomic workplace of the **EFG 115**.



SERIES

	EFG 1¹	EFG 2¹
Model name	110 110k 113 115	213 215 216 216k 218 218k 220
Type	3-wheel	3-wheel
Lift height (mm)	2,300–6,500	2,020–7,000
Capacity (kg)	1,000–1,500	1,300–2,000
Travel speed (km/h)	12.5	16
Overall length (mm)	2,724–2,940	2,929–3,145

¹ Some models are available with a shorter wheelbase and turning radius (k).

Compact and manoeuvrable three-wheel counterbalance forklift trucks.

The EFG series 1 & 2.

Simple and accurate manoeuvring, even in confined spaces, containers and on HGVs.

SERIES 1

110 | 110k | 113 | 115

Rear-wheel drive, compact design, impressive performance data and optimum ergonomics – these are the strengths of the electric three-wheel counterbalance forklift trucks from series 1. The result: maximum agility and rapid manoeuvring in the tightest of spaces. The truck accommodates drivers of all sizes thanks to the adjustable steering column and triple adjustment of the comfort seat.

- ▶ Maximum manoeuvrability thanks to truck width of just 990 mm.
- ▶ Ultra-compact three-wheel counterbalance forklift truck with single-motor rear-wheel drive.

SERIES 2

213 | 215 | 216 | 216k | 218 | 218k | 220

Where there is little space and the ground is level, the EFG series 2 offers maximum manoeuvrability. The powerful hydraulic system enables high lift speeds, even when used with attachments. A compact mast ensures that the view remains unobstructed, giving the operator market-leading visibility.

- ▶ The highly versatile all-rounder.
- ▶ Optimum energy and cost efficiency with maximum performance thanks to PureEnergy concept.
- ▶ Protection of people, goods and vehicles with numerous assistance systems and safety options.



The **ergonomic workplace** supports efficient working and protects the operator.



Extremely manoeuvrable, even in the tightest of spaces, thanks to 180° rotations on the spot.

Reliable all-rounders for any warehouse environment. The EFG series 3.

A perfect blend of agility and stability,
even on very uneven ground.

EFG SERIES 3

316 | 316k | 318 | 318k | 320

Our series 3 electric forklift trucks offer the perfect balance of stability and manoeuvrability on very uneven ground. The powerful hydraulic lift enables high lift speeds even when attachments are used. Thanks to the PureEnergy technology concept, the forklift trucks in this series combine reduced energy consumption with increased throughput. The lithium-ion battery technology enables rapid intermediate charging so that the devices are ready for the next job with no delay. The compact mast gives the operator an unobstructed view of the load, increasing safety and control during the operation.

- ▶ Maximum stability and travel safety due to optimum weight distribution across all four wheels.
- ▶ Fatigue-free working thanks to the ergonomic workplace.
- ▶ Versatility and flexibility, both indoors and outdoors.



The **electric parameter steering** ensures utmost precision and minimises unwanted steering movements.



The **ergonomic workplace** offers plenty of freedom of movement and a range of adjustment options for highly efficient working.



The **EFG 320** offers maximum ease of use with its ergonomic workplace.

Optimum stability on any surface with the **EFG 320**.



Maximum efficiency thanks to PureEnergy technology concept with the **EFG 320**.



SERIES

SERIES	EFG 3 ¹
Model name	316 316k 318 318k 320
Type	4-wheel
Lift height (mm)	2,020–7,000
Capacity (kg)	1,600–2,000
Travel speed (km/h)	17
Overall length (mm)	3,140–3,248

¹ Some models are available with a shorter wheelbase and turning radius (k).



EFG 430 for industry-specific applications.



EFG 425k with a special rotating device.



Precise handling of special loads with the **EFG 425k**.



EFG 425 with minimal vibrations thanks to decoupling of cab and chassis.

SERIES

Model name	EFG 4^{1,2}
Type	4-wheel
Lift height (mm)	2,900–7,500
Capacity (kg)	2,500–3,000
Travel speed (km/h)	20
Overall length (mm)	3,446–3,612

¹ Some models are available with a shorter wheelbase and turning radius (k).

² Some models are available with higher capacity and wider tread (S).

Versatile forklift trucks for demanding applications. The EFG series 4.

Power and stamina for flexible use in indoor and outdoor areas.

EFG SERIES 4

425 | 425k | 430 | 430k | S30

Our series 4 robust electric four-wheel counterbalance forklift trucks are suitable for a wide range of indoor and outdoor applications. They can be adapted to industry-specific requirements using individual attachments and can also move heavy loads quickly and efficiently. With high ground clearance, these devices are ideal for use outdoors. Thanks to the PureEnergy technology concept, the forklift trucks in this series combine reduced energy consumption with increased throughput. The ergonomic equipment and technical innovations support fatigue-free work in high-performance environments.

- ▶ Market-leading visibility enabled by a wider field of view.
- ▶ S range for particularly tough and demanding applications.



Ideal for specific industry requirements and the use of **special attachments**.



Optimum ground clearance and tyres to suit virtually all ground conditions.

For challenging applications in all sectors. The EFG series 5.

Ideal for the heaviest loads and use of complex attachments.

EFG SERIES 5

535k | 540 | 540k | 545 | 545k | 550 | S40 | S50

Our series 5 ergonomically perfected electric four-wheel counterbalance forklift trucks are ideal for the toughest applications, both indoors and outdoors. Thanks to clever attachment options, an individual attachment can be implemented for almost every item to be transported. Even the heaviest loads are transported safely. The PureEnergy technology concept ensures excellent cost and energy efficiency. The compact mast with extended field of visibility and intelligent control elements that adapt to the application and driver profile enable optimum performance at all times.

- ▶ S range for heavy loads with attachments.
- ▶ Safety even in extreme conditions thanks to numerous assistance systems and equipment options.



Market-leading visibility thanks to compact mast with extended field of view.



Tailored to a wide range of sectors with individual **attachments**.

The **EFG S50** with diverse attachment options for virtually all loads.



The **EFG S50** with dynamic handling based on the selected travel program.



The **EFG S40** is a veritable powerhouse for the most demanding applications.



SERIES

SERIES	EFG 5 ^{1, 2}
Model name	535k 540 540k 545 545k 550 S40 S50
Type	4-wheel
Lift height (mm)	2,480 – 7,500
Capacity (kg)	3,500 – 5,000
Travel speed (km/h)	17
Overall length (mm)	3,805 – 4,102

¹ Some models are available with a shorter wheelbase and turning radius (k).

² Some models are available with higher capacity and wider tread (S).



Three times longer service life than with lead-acid batteries.



Significantly higher endurance in multi-shift operation.

0,0

Zero maintenance.



Up to 8 years on the warranty.



50% charge in just 30 minutes, and fully charged in 80 minutes.

Lithium-ion energy – your competitive edge. 100% satisfaction. Guaranteed.

ADVANTAGE: LITHIUM-ION TECHNOLOGY

With Jungheinrich lithium-ion batteries, you can enjoy the benefits of what is by far the longest-lasting energy source. Jungheinrich develops and produces the batteries, chargers and all important truck components in-house. This ensures perfect interplay between all parts of the system, thus ensuring optimum performance at all times. Ultra-fast charging times and zero maintenance requirements enable virtually uninterrupted deployment of lithium-ion trucks. Power is always available, with no signs of fatigue. With the Jungheinrich Li-ion Guarantee Plus, we promise a lasting performance of up to 8 years. Because we know that a long service life and maximum battery performance are crucial to the success of your business.

ADVANTAGE: PUREENERGY

Thanks to our PureEnergy technology concept, the EFG electric forklift trucks combine maximum performance with minimal energy consumption. PureEnergy reduces consumption while simultaneously boosting throughput performance by a significant margin. This is enabled by sophisticated 3-phase AC technology in conjunction with the compact controller and compact hydraulic unit.



LI-ION
technology



Perfection in every detail. Our assistance systems and performance packages.

Sophisticated solutions to enhance your safety, efficiency and productivity.

ASSISTANCE SYSTEMS

addedVIEW 360° camera system

Four digital cameras provide the operator with perfect all-round visibility. As well as benefiting from front and reversing cameras, the operator can also call upon an external, bird's eye view of his truck. All camera feeds can be viewed directly on the cockpit display – either individually or using a split-screen function.

curveCONTROL

When cornering, the truck speed is actively reduced based on the current load and steering angle. This ensures maximum travel stability and safety for the transported load – while also boosting throughput performance.

driveCONTROL

The truck speed is adjusted automatically based on the current lift height. This ensures that the raised load is always transported safely.

liftCONTROL

Based on the current load, the tilt speed of the mast is controlled automatically as of a lift height of approx. 1,500 mm. This ensures that the transported goods are raised safely and drastically reduces the risk of accidents.

tiltCONTROL*

When approximately one third of the rated capacity is reached, the mast angle is adjusted automatically. This actively prevents the truck from tipping, allowing the operator to focus on the task at hand.

zoneCONTROL

This electronic system monitors and controls the motion sequences in predefined warehouse zones. It can perform automatic actions, such as opening a gate or activating a warning light. Where necessary, it can also intervene in the truck functions, e.g. in the case of lift height restrictions, when unloading is prohibited or by actively braking in danger zones.

PERFORMANCE PACKAGES*

EFFICIENCY

The Efficiency package ensures highly energy-efficient lifting and travel, thus enabling a massive reduction in consumption. It is ideal for applications where the emphasis is on quick and efficient lifting and travel, rather than on the maximum achievable throughput speed.

drive&liftPLUS

By offering greater travel/lift speeds, the drive&liftPLUS package exploits the full technical capability of the forklift truck. This ensures maximum performance and highest throughput speeds.

* Available for EFG series 4 and 5.



liftCONTROL controls the lift speed to ensure that loads are lifted safely.

driveCONTROL enables even more precise manoeuvring during the work cycle.



With **tiltCONTROL**, the tilt angle of the mast is automatically adjusted to the load.





02

01

07

03

04

06

05



EFU S306-FN668747
BATTERIE
KEIN LG



Customised equipment options.

Every warehouse environment, every load and every operator is different. We can tailor your truck to suit all needs.

01

Driver dialogue system – ergonomically integrated in the armrest. This allows operators to perform quickly during work processes.

02

Adaptable control lever – soloPILOT (standard), multiPILOT or duoPILOT (as shown).

03

Full-colour TFT display – high-resolution and high-contrast, with intuitive user guidance – for relaxed, productive working.

04

Space-saving steering column – infinitely adjustable in two directions. Ergonomic adjustment to suit all drivers.

05

Generous footwell with single or double pedal operation (from series 2)

06

Low-vibration seat for maximum driver comfort and relaxed, fatigue-free working.

07

Adjustable armrest with large storage compartment – perfect ergonomics for operators of all sizes.



soloPILOT: All hydraulic functions, travel direction selection and horn in a single lever. Control of all functions with millimetre precision.

multiPILOT: Smooth input of all control commands without moving your hand – with ergonomically optimised grip.

duoPILOT: Precision control of the truck via two independent levers. Individually configurable on request.

A leader in intralogistics.

There for you across the globe.



● Our own direct sales companies in 40 countries.

○ Partner companies in more than 70 other countries.

Over 18,000 employees.

More than 5,500 service engineers across the globe.

Founded in 1953, Jungheinrich is one of the world's leading providers of intralogistics solutions. With a comprehensive portfolio of industrial trucks, automated systems and warehouse equipment and services, we offer tailor-made solutions that allow you to devote your full attention to your core business. With our unique direct sales and service network, you can call upon a reliable partner who is at your side at all times, wherever you may be in the world.



AUTOMATED SYSTEMS

Based on our comprehensive process knowledge and extensive experience in a wide range of industries, we can provide you with tailor-made automated systems, ranging from semi to fully automated solutions. We will thus work together to raise your efficiency and productivity to a whole new level.



NEW TRUCKS

Lifting, stacking, transporting, order picking – electrically, by combustion engine or by hand? Our product portfolio contains the perfect trucks for your needs.



WAREHOUSE EQUIPMENT

From pallet racking to automatic small parts warehouses, we have the right solution for every item and warehouses of all sizes. Combined with Jungheinrich industrial trucks and IT solutions, the result is a future-proof, holistic intralogistics concept of unique quality.



RENTAL

Forklift truck rental is not just an ideal solution for addressing short-term or seasonal requirements. Jungheinrich offers "power on demand" for all companies, regardless of their size or industry. There are rental solutions available to suit all requirements, with trucks available instantly in a wide number of variants across the globe.



USED TRUCKS

JUNGSTARS are used trucks from Jungheinrich, which are among the best on the market. With high-end reconditioning according to our 5-star principle, every truck is returned to an outstanding technical and visual condition to satisfy the highest safety and sustainability standards.



DIGITAL SOLUTIONS

With intelligent software and sophisticated hardware components, we ensure complete digital networking within your warehouse. All processes can be monitored centrally and controlled with utmost efficiency. Systems from different manufacturers can also be integrated with ease.



CONSULTING

Products and services must meet your exact requirements. That is why our consulting combines a high level of technical know-how with process knowledge and in-depth industry expertise. We can thus work together to identify the perfect complete solution.



FINANCING

Jungheinrich Financial Services is your reliable partner throughout the entire life cycle of your Jungheinrich product. We offer individual solutions for trucks, racking, warehousing and system solutions, while taking your budget and the special requirements of your business into account.



AFTER SALES

The trouble-free operation of your intralogistics solution is our top priority. That is why we offer reliable, global support for your trucks and systems with more than 5,500 qualified service engineers. This allows us to be on-site within a very short time frame to restore the availability of your trucks and systems.

ISO 9001 The German production facilities
ISO 14001 in Norderstedt, Moosburg
and Landsberg are certified.

 Jungheinrich trucks
conform to the European
Safety Requirements.

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