

# EFG 213-220 / 316k-320

## Three- And Four-Wheel Counterbalanced Truck

2,500-4,000 lbs. capacity

 **JUNGHEINRICH**<sup>®</sup>





# The choice is yours.

## Three or four-wheel variants.

**The latest generation of our three- and four-wheel lift trucks with three-phase AC drive systems set the standard for high performance:**

- Energy-efficient with up to two shifts / one battery charge run time
- Optional Jungheinrich Lithium-Ion battery configuration available
- Side battery access / innovative battery management
- Electric steering
- soloPILOT, duoPILOT and multiPILOT electronic controls
- Driver assistance systems
- Five adjustable performance modes
- Automatic parking brake
- Available in 36 and 48 voltages

**The Essential Difference:**

The EFG 213-220 three-wheel trucks have a twin wheel which provides you with ease of maneuverability, while the EFG 316k-320 four-wheel trucks have a high mounted fully floating axle which ensures excellent operational stability. Your individual application area will determine which is the right and most cost-effective solution for you.



**Li-Ion Technology:**

As a pioneer in lithium-ion technology, Jungheinrich provides batteries, charging units and vehicles that are designed to work synergistically for maximum energy efficiency.

Li-Ion batteries from Jungheinrich are covered by a 5-year, unlimited hour warranty to instill confidence that the investment in advanced battery technology will be backed by factory support.

**Benefits Of Moving To Lithium-Ion Technology:**

- Fast charging throughout the course of the shift during breaks allows the truck to stay charged when customers need it.
- Li-Ion Batteries are smart power solutions designed to communicate directly with the truck, resulting in increased efficiency and output.
- The Li-Ion solution is completely maintenance free, reducing total overall cost of ownership and the downtime associated with maintaining and caring for traditional lead acid batteries.
- Battery life expectancy of up to 3,000 full cycles (vs. 900 to 1,200 cycles in lead-acid batteries)
- No risk of escaping gases during charging or acid associated with conventional lead-acid batteries

\* Please refer to the Jungheinrich Lithium Ion Brochure for complete information

# Our latest generation of 3-phase AC technology.

## High energy efficiency

Jungheinrich's energy-efficient design allows the EFG series to run up to two shifts on one battery charge. Additionally, several EFG models also qualify for the two shifts / one battery charge guarantee program.\* The advantage: In many cases, you can do without a large charging station or replacement batteries.

## Increased throughput efficiency

High torque values, no drops in torque level and no loss of speed result in dynamic travel and maximum throughput. The advantage: Significantly faster goods handling, maximum performance when using attachments and even the potential of a reduction in your lift truck fleet.

## More application areas

Our IP54 rated electric motors and IP65 rated sealed connectors permit the trucks to be used in environments that were once the sole domain of IC engine trucks. Our EFG Series trucks are protected against dust, water and some chemicals.

## Electric steering

- Fewer steering wheel turns
- Smaller steering wheel
- Low effort
- Narrow steering column creates more legroom
- No hydraulic noise





# Innovative battery management.

## Energy-efficient with up to two shifts / one battery charge run time

- Up to two standard shift operations without having to recharge, thanks to greater energy efficiency
- Easy battery charging / servicing via side door opening
- Easy battery handling by side battery removal
- Battery retainer prevents travelling with unsecured battery

## Different options for battery replacement to fit your needs

Our EFG Series trucks also offer cost-effective battery handling solutions to suit individual requirements:

- Flexible side removal of any battery size using a lift truck or crane
- Easy, intuitive replacement method with little effort required
- Safe battery removal through on-board guidance, limit position retainer and fastening by means of SnapFit

## SnapFit battery removal system (option)

The reliable, cost-effective and user-friendly SnapFit battery replacement system is easy to use with any of our pedestrian pallet trucks. The universal adapter for 36, 48 and 80-volt batteries can be simply attached and removed again without the aid of a tool.



# Advanced security features.

## **curveCONTROL / driveCONTROL**

curveCONTROL automatically reduces the travel speed when cornering, as a function of the steer angle. Electric braking applies irrespective of the travel program selected and keeps the centrifugal forces acting on the operator, load and truck to a consistently low level. The driveCONTROL option also reduces travel speed from a specific lift height.

## **Easier handling on ramps**

If the operator takes their foot off the accelerator on a ramp, the truck stops automatically. When the truck starts up, the brake is automatically released and the truck moves off carefully without rolling backwards. Advantages: Greater operator confidence and easier handling.

## **A choice of operating / travel modes**

Five different operating / travel modes offer the ideal versatility to cope with a wide range of applications and operator skills.

## **liftCONTROL (optional)**

In addition to the features of driveCONTROL, liftCONTROL offers:

- Automatic mast tilt speed reduction from a specific lift height
- Tilt angle display

## **accessCONTROL (optional)**

accessCONTROL only releases your truck for operation when a valid access code is recognized and the 'seat occupied' and belt lock detection systems have been activated.





# Our productivity-enhancing ergonomics.

## Sitting comfortably equals working better

- Low entry height and level cab floor
- Electric steering and a narrow steering column create more legroom
- The infinitely and intuitively adjustable steering column and armrest allow for adjustment to suit a wide range of operator sizes.
- Minimal vibrations through cushioned 'floating cab' operator position module
- Automotive type pedals (twin pedal optional)
- Extremely low noise levels
- Ergonomic operation
- Optional 15° seat swivel to the right (EFG 220 and EFG 316–320)

## soloPILOT integrated in the armrest:

### Fingertip control

- soloPILOT attached to the seat, accompanying the arm movement for a relaxed posture
- Individually adjustable armrest, regardless of the seat position
- Precise control of travel and lift functions by fingertip control alone – no hand movement required
- Finger levers have the same function as conventional hand levers
- Combination of all hydraulic functions plus the horn and travel direction switch in a main control unit

## multiPILOT control lever

All hydraulic functions plus selection of travel direction and the horn can be controlled by the Jungheinrich multiPILOT. All of this with minimum effort and using just one hand, without having to reach – the arm rests comfortably on the horizontal, vertically adjustable armrest.

The result: Quicker and more precise stacking / retrieval operations and the ability to perform two operations simultaneously, such as lifting and reverse tilt.



soloPILOT fingertip controls



multiPILOT control lever







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# WHO IS Jungheinrich?

## THE LEADING ELECTRIC LIFT TRUCK MANUFACTURER

**Our name may sound strange – JUNGHEINRICH (Young-Hine-Rick).**

But it's a name you should know. We're the world's leading brand of electric lift trucks. While others are new to electric, our 5<sup>th</sup> generation technology and more than 60 years of electric lift truck design experience allow us to deliver two shifts on one charge – guaranteed on many Jungheinrich products – for greater productivity.

**Strong Local Support And Expertise.**

- » 340+ dealer locations throughout the US, Canada and Mexico
- » 24-hour parts delivery guarantee
- » Industry's only 1,000-hour service intervals



\* The 2 Shifts On 1 Charge Guarantee is offered on several Jungheinrich models, please contact your local dealer for a full list of those applicable products.

\* To take advantage of the Parts Fast or Parts Free Guarantee orders must be placed through your local dealer by 5:00 p.m. Eastern Standard Time, and you must advise the dealer at the time of order that the part is to be expedited under the terms of the guarantee. There are some exclusions, including parts over 100 lbs and paint, chemicals or lubricants that require special handling. Ask your dealer for a full list of terms and conditions for the Parts Fast or Parts Free Guarantee. Programs may be subject to change without notice and may vary by region. Please ask your local Jungheinrich dealer for complete terms and conditions.

