

# Electric pallet stackers.

Compact and efficient trucks  
for flexible applications.



**JUNGHEINRICH**

## INTRO

**HIGHLIGHTS**

Electric pallet stackers. Powerful assistants for every application. 03

## LOW-INTENSITY MODELS

**AMC AND EJC 010i**

Your smart alternative to manual pallet stackers. Move more efficiently with an electric drive. 04–05

## SHORT-DISTANCE USE

**EJC 1i**

Compact assistants for short distances. Agile and powerful solutions for narrow storage spaces. 06–07

**EJC 2**

All-rounders for short distances. Electric pallet stackers for intensive use, even at high lift heights. 08–09

**EJD 1i AND EJD 1 & 2**

Pedestrian-controlled double-deck stackers. Versatile all-rounders for short distances. 10–11

## MEDIUM-DISTANCE USE

**ERC 1i & 2i**

High performers for transporting goods over medium and long distances. Ergonomic, pedestrian-controlled stackers with a compact design. 12–13

**ERC 2**

Electric pallet stackers with a fixed or hinged stand-on platform. Ideal for stacking and retrieving at great heights. 14–15

**ERD 1i & 2i**

Compact pedestrian-controlled stackers with lithium-ion technology. Flexible and agile in double-deck transport. 16–17

**ERD 1 & 2**

Electric pallet stackers with an integrated stand-on platform. For greater efficiency with double-deck transport. 18–19

## LONG-DISTANCE USE

**ESC 2 & 3 AND ESD 1 & 2**

Powerful electric sideways stand-on/seated stackers with top operator comfort. 20–21

## OPTIONS AND ADDITIONAL INFORMATION

**LITHIUM-ION TECHNOLOGY**

For greater performance and fast charging times. 22–23

**NOERPEL RELIES ON THE ERD 220i STACKER**

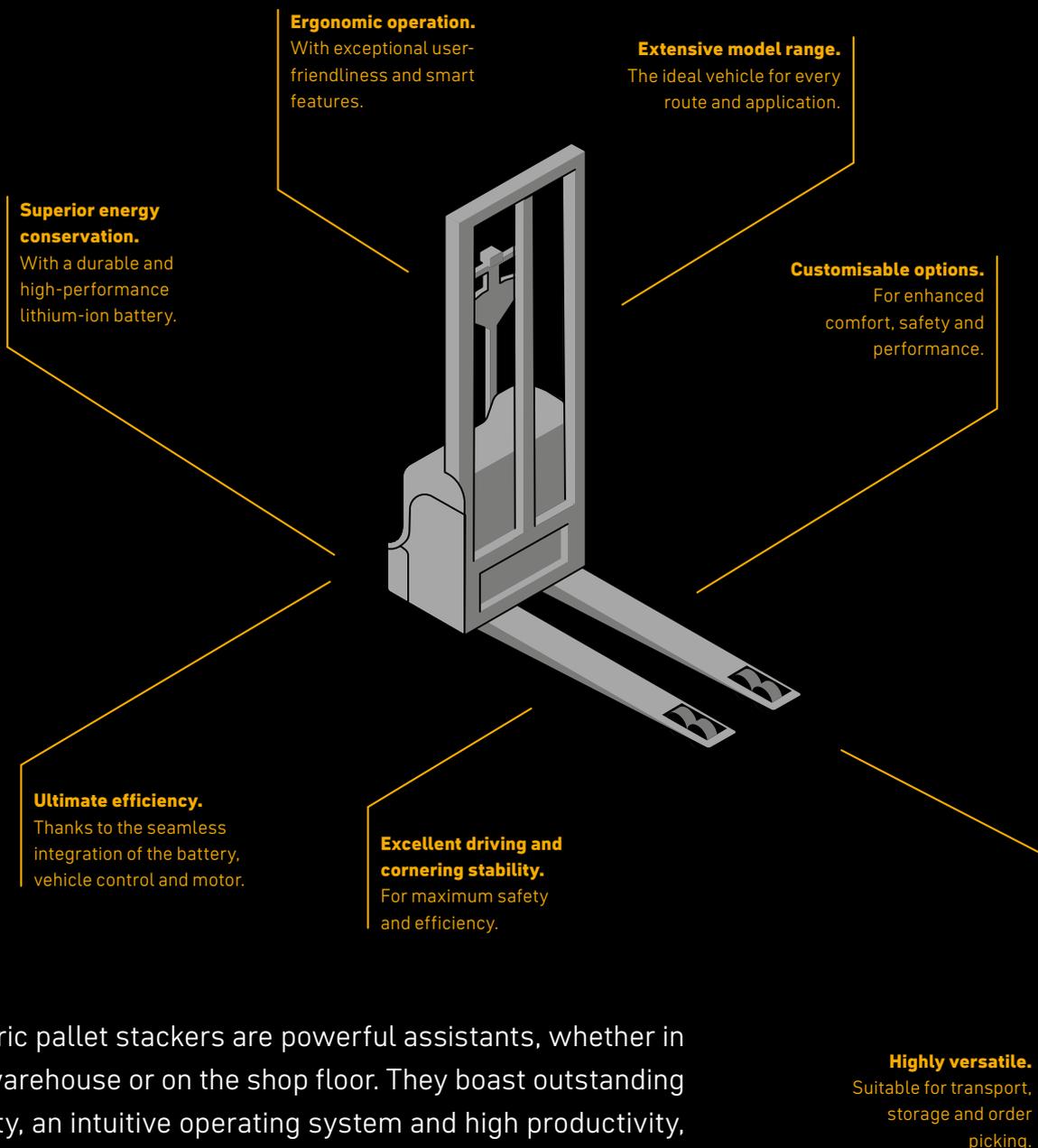
Intralogistics reimaged. 24–25

**JUNGHEINRICH SNAPSHOT**

Globally connected, yet close to your operation: the Jungheinrich portfolio at a glance. 26–27

# The right assistant for every job.

Electric pallet stackers. Strengths at a glance.



Electric pallet stackers are powerful assistants, whether in the warehouse or on the shop floor. They boast outstanding quality, an intuitive operating system and high productivity, particularly in the double-deck version. Whether you need a pedestrian or ride-on model for short, medium or long distances, Jungheinrich offers a tailored solution to meet your requirements.

The AMC 12z provides an excellent view of the forks and load thanks to its low chassis and optimal mast visibility.



Efficient and space-saving for lighter transport tasks: the EJC 010i.



AMC 12: easy handling with the multifunction tiller handle, multifunction display and curveCONTROL.

| SERIES               | ENTRY-LEVEL SEGMENT |             |
|----------------------|---------------------|-------------|
|                      | AMC                 | EJC 0i      |
| Model designation    | 12   12z            | 010i        |
| Lift height in mm    | 2,514–3,514         | 2,300–3,600 |
| Load capacity in kg  | 1,200               | 1,000       |
| Travel speed in km/h | 4.5                 | 5.3         |
| Lifting speed in m/s | 0.16                | 0.27        |

# Your smart alternative to manual pallet stackers: the AMC and EJC 0i.

Work more efficiently with an electric drive.

## AMC SERIES

12 | 12z

Whether for occasional load transport or efficient storage and retrieval, the agile electric stackers from the AMC 12 series give your pallet handling the perfect boost as reliable entry-level models in the electric stacker segment. These compact helpers for light-goods transport manoeuvre effortlessly in confined warehouse environments.

- ▶ The initial lift version, the AMC 12z, offers increased ground clearance for use in warehouse environments with uneven floors and inclines.
- ▶ Maintenance-free lithium-ion battery with an integrated charger ensures maximum flexibility — with fast charging times and the freedom to choose charging locations.
- ▶ Dual-handed multifunction tiller handle and display enable safe manoeuvring with the tiller raised in confined spaces.
- ▶ The assistance system automatically reduces speed when cornering.
- ▶ Colour markings on the mast make it easier to read the remaining load capacity.

## EJC 0i SERIES

010i

Compact, easy to use and perfect for small tasks: the EJC 010i is the ideal entry-level model among electric pallet stackers. Thanks to its compact design and small turning radius, the EJC 010i performs well even in confined spaces. As an ergonomic lifting table, it is ideal for loading machines. Its low height ensures optimal visibility of the forks and surrounding area.

- ▶ The entry-level vehicle for light-duty material handling offers a narrow working aisle width, a small turning radius and a low overall height.
- ▶ The preconfigured basic equipment is readily available and offers lift heights from 2.30 to 3.60 metres.
- ▶ The maintenance-free lithium-ion technology ensures high availability with the option for interim charging.
- ▶ The intuitive controls allow easy operation even by inexperienced personnel.



AMC 12: a multifunction tiller grip, easy to use with either hand.



EJC 010i: flexible, decentralised charging at any standard socket thanks to the built-in charger.

# Compact assistants for short distances. The EJC 1i.

Your agile and powerful solution  
for narrow storage spaces.

## EJC SERIES 1i

110i | 112i | 110zi | 112zi | 110bi

The entry-level segment for electric stackers redefined: the agile electric high-lift stackers in the EJC 1i series are suitable for almost any application. They excel in tight storage spaces and narrow aisles. The EJC 110zi/112zi variants also offer the ability to carry two pallets at once, thanks to an additional lift, and can transport particularly heavy loads (up to 1.6 tonnes). The EJC 110bi is perfect for handling special load carriers and closed pallets.

- ▶ The combination of compactness and impressive performance makes this series the ideal all-round solution for the entry-level segment.
- ▶ Excellent visibility of the forks, load and obstacles ensures safe stacking and retrieval.
- ▶ High residual load capacity due to a sturdy mast and optimised weight distribution.
- ▶ Tailored energy solutions with various battery capacities and powerful built-in chargers.
- ▶ The built-in charger allows flexible, on-the-go charging, boosting availability.
- ▶ The high energy density enables space-efficient housing of high-performance batteries within the vehicle.

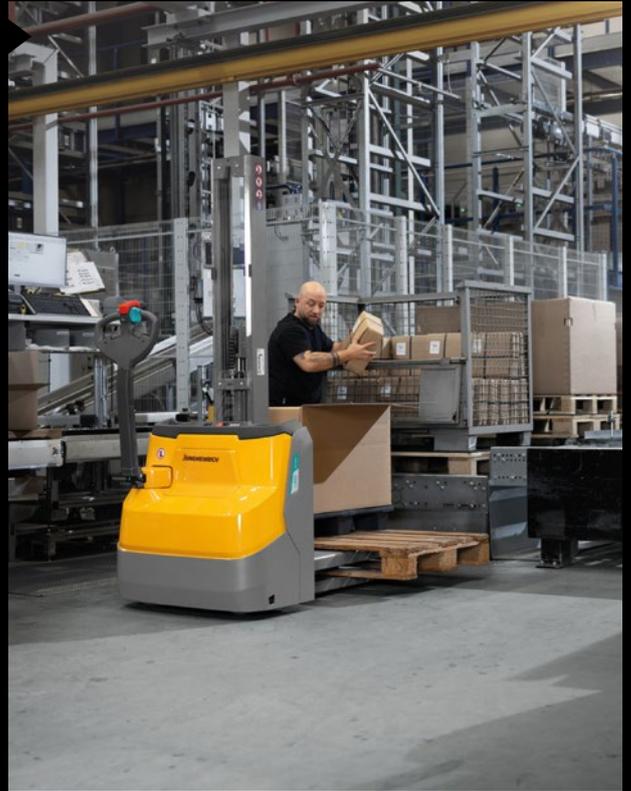


The mast's excellent visibility provides an optimal view of the forks and load.



The EJC 1i series offers four different mast options to meet varying requirements.

EJC 1i models serve as ergonomic lifting tables and are ideal for loading load carriers and machines.



EJC 110bi: adjustable forks and support arm spacing for greater flexibility.



Increased ground clearance and double pallet transport thanks to the additional lift on the EJC 1zi.

| SHORT-DISTANCE, MODERATE USE |                                     |
|------------------------------|-------------------------------------|
| EJC 1i                       |                                     |
| <b>SERIES</b>                | 110i   112i   110zi   112zi   110bi |
| Model designation            | 1,970–4,700                         |
| Lift height in mm            | 1,000–1,200                         |
| Load capacity in kg          | 5.3–6                               |
| Travel speed in km/h         | 0.25–0.33                           |
| Lifting speed in m/s         |                                     |



The EJC 216 offers high lift heights and residual load capacities, making it a powerful assistant with low energy consumption.



The EJC 216z delivers powerful acceleration and rapid directional changes, keeping material flows smooth even in demanding operations.

The EJC 216b is uniquely designed for handling specialised goods. With outwardly extended support arms, it can easily handle closed or transverse pallets.

### SHORT-DISTANCE, INTENSIVE USE

#### SERIES

#### EJC 2\*

|                      |   |
|----------------------|---|
| Model designation    | 212   212z   212b   214   214z   214b   216   216z   216b   220   220z   220b |
| Lift height in mm    | 2,500–6,000   |
| Load capacity in kg  | 1,200–3,000   |
| Travel speed in km/h | 6   |
| Lifting speed in m/s | 0.15–0.4  |

\* Some models are available with support arm lift (z) or as wide-track versions (b).

# All-rounders for short distances. The EJC 2.

Versatile electric stackers for intensive use, even at greater heights.

## EJC SERIES 2

212 | 212z | 212b | 214 | 214z | 214b | 216 | 216z | 216b | 220 | 220z | 220b | 230

The EJC series 2 provides robust, highly versatile solutions for pedestrian use. Ideal for storing and retrieving heavy loads at height. Various safety features ensure operator protection, such as the foot protection tiller and excellent visibility of the forks. The proportional hydraulics enable smooth lifting and lowering, even with large loads. With its refined operating concept, the multifunction tiller head makes lift and lower functions especially intuitive, supporting fast and precise handling. Combined with a stable chassis design and high residual load capacity, the EJC series 2 models deliver reliable and safe performance at all times.

- ▶ Designed for long, multi-shift operations.
- ▶ Available in different variants, including versions with support arm lift and wide-track design.
- ▶ Exceptionally powerful, with high residual load capacity even at lift heights up to 6,000 mm.
- ▶ positionCONTROL: pre-set lift height selection for quick and easy storage and retrieval.
- ▶ operationCONTROL: assistance system to prevent exceeding the maximum load capacity, with acoustic and visual warning signals.



With a built-in charger for quick, easy top-up charging at any 230V socket.



Everything organised — work documents are securely stored in the EJC and always within easy reach.

# Double-stack transport in pedestrian mode. The EJD 1i and EJD 1 & 2.

All-rounders for short distances: powerful, durable and versatile.

## EJD SERIES 1i

118i | 120i

The EJD series 1i combines efficient lithium-ion technology with strong performance and a compact design. The EJD 118i is the shortest universal stacker in its class and offers exceptional manoeuvrability thanks to its minimal front-end length. Its slim mono mast also provides excellent all-round visibility. The EJD 120i is available with various mast options and a larger battery capacity, making it ideal for longer and more intensive operations. Both models are highly versatile — suitable for loading and unloading lorries as well as for in-store applications. With lift heights of up to 1,520 mm, they position goods at an ergonomic working height, significantly easing sorting and order picking.

- ▶ Flexible handling with double-stack transport.
- ▶ Lithium-ion technology and an integrated charger with up to 70 A charging power for flexible interim charging at any socket.
- ▶ Compact dimensions for great manoeuvrability, even in tight spaces.
- ▶ Excellent all-round visibility, ideal for use in retail environments.
- ▶ Ideal for use in storage rooms.
- ▶ Individually configurable with a wide range of equipment options.

## EJD SERIES 1 & 2

120 | 222

The all-rounders of this series are robust and compact, making them ideal for loading and unloading lorries via ramps. They combine the strengths of low-lift and high-lift stackers in one truck, reaching lift heights of up to 2,905 mm. The ability to carry two pallets at once doubles productivity. Even inexperienced operators can quickly become familiar with the EJD, thanks to the long tiller that simplifies manoeuvring and ensures a safe operating distance.

- ▶ Agile, efficient multifunction stacker with low energy consumption.
- ▶ Double-stack operation for enhanced productivity in material handling.
- ▶ Compact size allows use in tight spaces, such as narrow-aisle retail areas.
- ▶ Safe operation on ramps and over thresholds thanks to the ProTracLink support wheel system, with support wheels connected via a coupling rocker.
- ▶ Safe pedestrian operation: long tiller with 4-stage foot protection.



Ready to use again in no time: the integrated charger allows recharging at any 230V socket.



Ergonomic lifting table: pick goods of all kinds at a back-friendly height.



Twice as productive in the same amount of time: the EJD 222 can carry two pallets in a double stack.



Compact, agile and powerful, even in narrow aisles: the EJD 118i & 120i with innovative lithium-ion battery.



The EJD 118i & 120i offer maximum flexibility and greater ground clearance thanks to the integrated support arm lift.

| SERIES               | SHORT-DISTANCE USE, MULTIFUNCTIONAL |             |
|----------------------|-------------------------------------|-------------|
|                      | EJD 1i                              | EJD 1 & 2   |
| Model designation    | 118i   120i                         | 120   222   |
| Lift height in mm    | 1,000–1,520                         | 1,500–2,905 |
| Load capacity in kg  | 1,800                               | 2,000–2,200 |
| Travel speed in km/h | 6                                   | 6           |
| Lifting speed in m/s | 0.27                                | 0.25–0.3    |

ERC 1i and 2i easily navigate tight storage spaces with their small turning radius and compact design.



Transporting goods over medium to long distances? No problem for the ERC 1i models- with their hinged ride-on platform.



With lift heights of up to 4,700 mm (ERC 1i) and 6,000 mm (ERC 2i), the trucks handle goods effortlessly even at higher racking levels.

|                      | <b>MEDIUM-DISTANCE, MODERATE USE</b> |               |
|----------------------|--------------------------------------|---------------|
| <b>SERIES</b>        | <b>ERC 1i</b>                        | <b>ERC 2i</b> |
| Model designation    | 110i   112i   110zi   112zi          | 214i   216i   |
| Lift height in mm    | 4,300–4,700                          | 2,400–6,000   |
| Load capacity in kg  | 1,000–1,200                          | 1,400–1,600   |
| Travel speed in km/h | 6                                    | 7             |
| Lifting speed in m/s | 0.24–0.33                            | 0.35          |

# Efficient over medium and long distances. The ERC 1i and 2i.

Compact pedestrian-controlled stackers with an ergonomic design and strong performance.

## ERC SERIES 1i

110i | 112i | 110zi | 112zi

The ERC series 1i provide flexible, ergonomic solutions for goods transport over medium and long distances. Both models feature hinged ride-on platforms for fatigue-free transport. The ERC 1i can transport up to 1,200 kg and lift pallets up to 4,700 mm. Thanks to their compact dimensions and small turning radius, the models are ideal for confined storage areas and narrow aisles. Customisable battery capacities and integrated chargers in various power classes provide flexibility and high availability through interim charging. The low overall height ensures excellent visibility of the forks.

- ▶ Maintenance-free lithium-ion technology for high availability through interim charging.
- ▶ Narrow working aisle width, small turning radius and low build height.
- ▶ Lift height of up to 4,700 mm for storage and retrieval at higher racking levels.
- ▶ Increased load capacity with an initial lift of up to 1.6 tonnes and double-pallet transport.

## ERC SERIES 2i

214i | 214zi | 214bi | 216i | 216zi | 216bi

With its revolutionary combination of compact design and lithium-ion power, ERC 2i models transport goods over longer distances with outstanding efficiency — while delivering even greater performance compared with the ERC 1i models. The optional support arm lift enables double-stack transport of two pallets simultaneously, significantly speeding up material handling. The powerful and highly precise lift motor allows for smooth storage and retrieval at heights of up to 6,000 mm.

- ▶ Wide-track models available for bulky items, such as special loads or Euro pallets loaded sideways.
- ▶ A range of assistance systems for enhanced safety and increased efficiency.
- ▶ Suitable for both medium- and long-distance operations.



ERC 1i: Suitable for pedestrian operation in tight spaces or ride-on use for medium to long distances, thanks to the hinged platform.



All key data at a glance: the multifunction display on the ERC 2i models shows battery charge level, operating hours, load weight, lift load distribution and lift height.

# The powerhouses for mid-range operations. The ERC 2.

Powerful electric stackers for storage and retrieval at higher racking levels.

## ERC SERIES 2

212 | 212z | 212b | 214 | 214z | 214b | 216 | 216z | 216b | 220 | 220z | 220b

The versatile ERC electric stackers, with a hinged stand-on platform, are ideal for efficient transport over longer distances and for storing and retrieving items at higher racking levels. The precise lift motor ensures smooth lifting and lowering of loads at heights of up to 6,000 mm. With the optional support arm lift, they are perfect for double-stack transport, while the wide-track version is suited for handling closed pallets or Euro pallets loaded sideways. The four-wheel design ensures stability, and the platform suspension protects the operator's back.

- ▶ Powerful acceleration and excellent energy efficiency optimise performance.
- ▶ operationCONTROL (optional) displays load weight and lift height, with audible and visual warning signals indicating overload (accuracy +/-100 kg) — for enhanced safety in everyday operations.
- ▶ Safe cornering with the curveCONTROL assistance system.
- ▶ positionCONTROL: pre-set lift height selection for quick and easy storage and retrieval.
- ▶ Easily navigate ramps and thresholds. The optional support arm lift enables double-stack transport of two pallets at once — significantly speeding up goods handling.



Ample storage options and a clear 6-inch display for operationCONTROL or positionCONTROL make the working day easier.



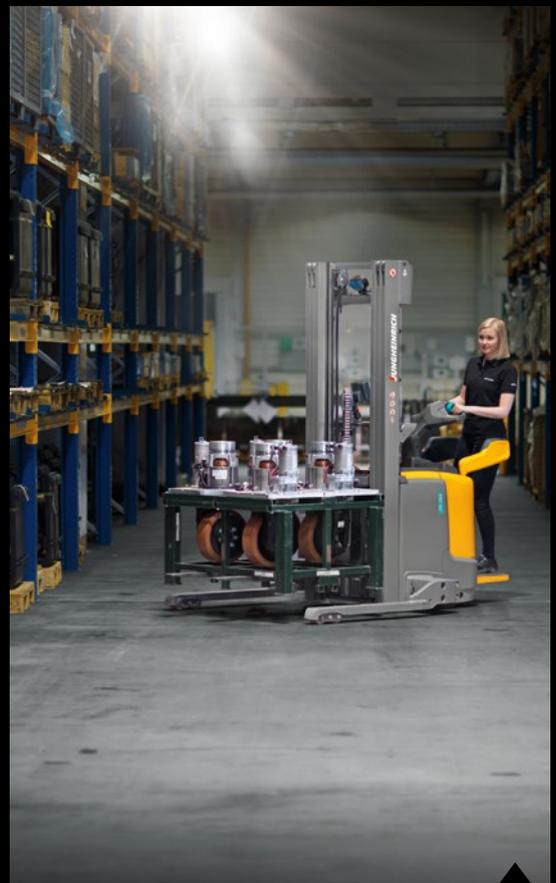
With the support arm lift, obstacles like ramps, thresholds and uneven floors are easier to navigate.



With the drivePLUS performance package, speeds of up to 11 km/h can be reached, compared to the standard 9 km/h — enabling faster operation.



The ERC 216z safely and efficiently transports two stacked pallets with a total weight of up to 2,000 kg. The integrated support arm lift increases ground clearance on uneven surfaces.



The cantilevered forks in the wide-track version safely handle closed pallets and special load carriers.

| MEDIUM-DISTANCE, INTENSIVE USE |   |
|--------------------------------|---|
| SERIES                         | ERC 2*  |
| Model designation              | 212   212z   212b   214   214z   214b   216   216z   216b   220   220z   220b |
| Lift height in mm              | 2,400–6,000   |
| Load capacity in kg            | 1,200–2,000   |
| Travel speed in km/h           | 9–11  |
| Lifting speed in m/s           | 0.3–0.4   |

\* These models are available with support arm lift (z) or as wide-track versions (b).



Compact powerhouses with additional lift — boosting throughput and efficiency.



ERD 120i: the optional lorry detection system automatically reduces speed, providing greater safety when using loading ramps and during manoeuvring.



Safe operation: the integrated floor spot warns of approaching trucks and helps prevent collisions.



Convenient charging solution for the ERD 1i and 2i: the charging interface is ergonomically positioned for easy access — allowing quick and frequent top-up charging.

Where others slow down, the ERD series 1i and 2i remain confident, effortlessly overcoming uneven floors, ramps and loading docks.

| SERIES               | MEDIUM-DISTANCE USE, HIGH PERFORMANCE |        |
|----------------------|---------------------------------------|--------|
|                      | ERD 1i                                | ERD 2i |
| Model designation    | 120i                                  | 220i   |
| Lift height in mm    | 1,520                                 | 3,760  |
| Load capacity in kg  | 1,800                                 | 2,000  |
| Travel speed in km/h | 6                                     | 14     |
| Lifting speed in m/s | 0.27                                  | 0.37   |

# The energy-efficient double-deck stackers. The ERD 1i and 2i.

Compact high performers with lithium-ion technology. For flexible transport operations.

## ERD SERIES 1i

### 120i

The ERD 120i is an agile double-deck specialist for transport over medium and long distances. Its integrated support arm lift enables the simultaneous transport of two pallets, increasing goods throughput while keeping energy consumption low. The stand-on platform with robust three-sided protection ensures a high level of safety and stable driving characteristics. A choice of mast variants allows the ERD 120i to be precisely tailored to each application, while lithium-ion batteries with capacities from 100 to 200 Ah ensure consistently high availability.

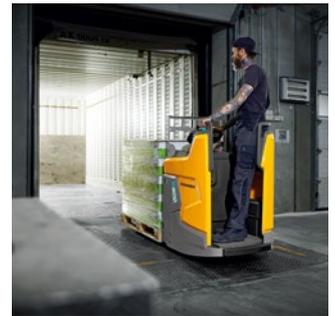
- ▶ Available with a fixed or fold-down platform for flexible applications.
- ▶ Floor spot for improved visibility in poorly visible warehouse areas.
- ▶ Lorry detection for automatic speed adjustment.

## ERD SERIES 2i

### 220i

The highly adaptable and powerful high-lift stacker, the ERD 220i, excels in safety, compactness and comfort. Its innovative design, combined with its compact structure, enables versatile use even in tight warehouse spaces. The ERD 220i is 30 cm shorter than comparable models, making it even more manoeuvrable. Additionally, with its powerful acceleration allowing speeds of up to 14 km/h, it guarantees maximum efficiency and performance.

- ▶ Highly efficient double-stack operation.
- ▶ Two platform options to fit any warehouse layout.
- ▶ Optional lorry detection with automatic speed reduction.



The fixed stand-on platform with three-sided protection ensures safety and ergonomics for the operator.



The smartPILOT electric tiller steering allows for precise and effortless one-handed control.

# The double-stack specialists for higher throughput. The ERD 1 & 2.

Electric stackers with a stand-on platform — for use in pedestrian or ride-on mode.

## ERD SERIES 1

### ERD 120

Whether for transporting goods, storing and retrieving, or safely loading and unloading a lorry, the ERD 120 is a versatile all-rounder that adapts flexibly to different tasks. A variety of options for the platform, drive and mast offer tailored configuration possibilities. Double-stack transport increases productivity while keeping energy consumption low.

- ▶ High throughput with low energy consumption.
- ▶ Four platform options: hinged, spacious, compact or as an order-picking platform.
- ▶ Maximum lift height of 2,905 mm.

## ERD SERIES 2

### ERD 220

The ERD 220 excels when extremely high throughput speeds are required. It combines efficient double-stack transport, allowing two pallets to be moved at once, with excellent acceleration and travel speeds of up to 12 km/h — or even faster with the drivePLUS option. Comprehensive safety features ensure operator protection throughout.

- ▶ Designed for the highest demands in throughput and efficiency.
- ▶ With drivePLUS: boosts travel speed to up to 14 km/h.
- ▶ Load-sensitive curveCONTROL for safe cornering, even at high speeds.



All key parameters always in clear view, such as battery charge level and operating hours.



Spacious stand-on platform for maximum ergonomics and operator safety, with an optional foot protection sensor.

Designed for agile, fast manoeuvring, the ERD 220 is ideal for loading and unloading lorries. The fixed stand-on platform ensures a high level of operator safety.



The ERD 220 with a hinged platform: a space-saving, flexible solution for tight warehouse environments.



The side-entry platform allows for quick entry and exit, making it perfect for order picking.

Ready for any scenario. The ERD is available with four platform options: hinged, spacious, compact or as an order-picking platform.

| <b>MEDIUM-DISTANCE USE, MULTIFUNCTIONAL</b> |             |
|---|-------------|
| <b>ERD 1 &amp; 2</b>                        |             |
| <b>SERIES</b>                               |             |
| Model designation                           | 120   220   |
| Lift height in mm                           | 1,500–2,905 |
| Load capacity in kg                         | 2,000       |
| Travel speed in km/h                        | 9–14        |
| Lifting speed in m/s                        | 0.32        |

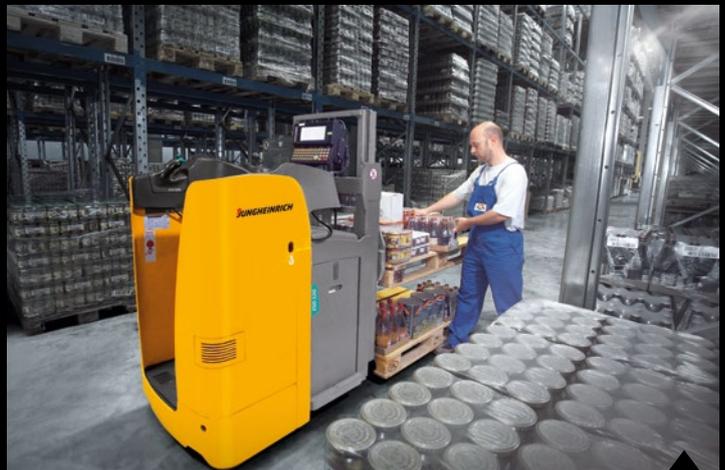


ESC 216z: The support arms can be raised independently of the forks (support arm lift), making it ideal for transport on uneven ground.

The robust chassis withstands even the toughest conditions.



The ergonomic sideways seat gives the operator excellent visibility, even during frequent direction changes.



Double-stack transport quickly boosts handling efficiency.

| SERIES               | LONG-DISTANCE USE                    |             |
|----------------------|--------------------------------------|-------------|
|                      | ESC 2 & 3                            | ESD 1 & 2   |
| Model designation    | 214   214z   216   216z   316   316z | 120   220   |
| Lift height in mm    | 2,800–6,200                          | 1,660–1,960 |
| Load capacity in kg  | 1,400–1,600                          | 2,000       |
| Travel speed in km/h | 9.1                                  | 9.1–12      |
| Lifting speed in m/s | 0.23–0.24                            | 0.22–0.39   |

# Electric stand-on and sideways seat stackers for long distances. The ESC 2 & 3 and ESD 1 & 2.

These robust machines offer high speed, excellent acceleration and exceptional driving comfort.

## ESC SERIES 2 & 3

214 | 214z | 216 | 216z | 316 | 316z

- ▶ The ESC excels in intensive long-distance operations. It is robust, agile and compact, reaching lift heights of up to 6,200 mm. The sideways seat position gives operators excellent visibility. With a width of just 820 mm, the series 2 is ideal for tight spaces. For uneven ground or obstacles like ramps, the series 3 with support arm lift is the perfect choice.
- ▶ Excellent acceleration with low energy consumption.
- ▶ Ergonomically designed seat for maximum comfort.
- ▶ Greater efficiency with high residual load capacities and a powerful lift motor.
- ▶ Ideal for storing and retrieving goods at high racking levels.

## ESD SERIES 1 & 2

120 | 220

The ESD models are versatile and powerful, ideal for loading and unloading lorries. With double-stack handling, they deliver high throughput, while the energy-efficient, powerful AC motor excels during long-distance transport. The ESD 120, with its foldable seat, allows for precise pallet positioning against lorry sidewalls, while the operator in the slightly wider ESD 220 enjoys full comfort.

- ▶ High throughput thanks to double-stack loading.
- ▶ Ergonomic seating position for excellent visibility.
- ▶ Electric steering for easy manoeuvring.
- ▶ Compact front end for tight warehouse spaces.



The ESD 1 ensures ergonomic, comfortable and fatigue-free operation, whether seated or standing, thanks to its flexible multifunction lever and foldable seat.



The smooth electric steering and intuitive controls of the ESD 2 offer maximum control of all driving functions without the need to adjust your grip.



Significantly greater endurance for multi-shift operations.



The lifespan is three times longer than that of lead-acid batteries.

# 0,0

No maintenance required.



Up to 8 years warranty.



Up to 20% less energy consumption compared to lead-acid batteries.



Charges to 50% in just 30 minutes and fully charges in 80 minutes.

# Lithium-ion technology. Uncompromising top performance.

As pioneers in intralogistics, we focus on innovative technologies to inspire our customers, streamline processes and create an optimal working environment for operators.

Over 70 years ago, we launched the first electric vehicles, marking the start of a real success story. More than a decade ago we began a new era, with the introduction of our first lithium-ion models. These extremely powerful vehicles combined excellent energy efficiency with easy maintenance,

eliminating the need for battery changes. This was a major breakthrough, and we have continued to build on it — with ongoing improvements, an expanding portfolio for every application, and innovation that never ceases to impress.

Looking to the future also means focusing on recycling. We take back old batteries, giving them a second or even third life before returning up to 95% of the materials to the recycling loop.

## INNOVATIVE SOLUTIONS THROUGH EXPERTISE

- ▶ Always at the forefront of technology thanks to in-house research, development and production.
- ▶ Fully integrated system connecting vehicle, battery and charging technology.
- ▶ Extensive expertise to deliver the ideal solution, from planning to implementation.
- ▶ Wide range of applications supported by a refined portfolio.

## ENERGY EFFICIENCY MEETS DURABILITY

- ▶ Exceptional performance thanks to high voltage stability.
- ▶ 30% more efficient than lead-acid batteries.
- ▶ Fast charging and top-up charging for maximum availability.
- ▶ Up to 3 times longer lifespan than lead-acid batteries.
- ▶ Up to 20% lower CO<sub>2</sub> emissions compared to lead-acid batteries.
- ▶ Virtually maintenance-free, with no need for battery replacement.
- ▶ Safe, with advanced lithium iron phosphate cell chemistry.
- ▶ Environmentally friendly, with very low fire risk.
- ▶ The in-house battery management system protects against overcharging, overheating and voltage imbalances.

**LI-ION**  
technology





The ERD 220i high-lift stackers in use at NOERPEL — a perfect combination of sustainability and efficiency.

In operation 24/7 — powerful lithium-ion batteries ensure maximum availability.



Optimised standing platform with three-sided protection enhances safety.



By detecting the lorry's surroundings, the vehicle automatically reduces speed, making intensive ramp driving much easier on the operator's back.

# NOERPEL relies on the ERD 220i high-lift stacker.

## CHALLENGES

In the transshipment hall of transport and logistics provider NOERPEL in Ulm, up to 5,000 shipments are stored, handled and dispatched daily. Space was often tight, making operations more difficult. During peak times, pallets blocked the pathways. Loading lorries over ramps and in dimly lit loading bays placed high demands on safety and comfort. One of the biggest challenges was reducing the CO<sub>2</sub> footprint of the intralogistics. At the same time, the vehicles needed to operate 24/6, requiring high durability and availability. The company management opted for solutions from Jungheinrich.

## SOLUTION

To tackle these challenges, NOERPEL opted for 30 electric high-lift stackers of the ERD 220i model, equipped with integrated lithium-ion batteries. Additionally, 30 rapid charging stations were installed at strategic locations within the transshipment hall. The ERD 220i offers a spacious standing platform with three-sided protection, greatly enhancing safety. Automatic speed adjustment during cornering and when crossing ramps provides extra stability. A sensor-based headlight detects the stacker's surroundings and lights up dark loading areas, further improving workplace safety.

## SUCCESS

### Faster

storage, handling and retrieval.

### Highest

safety standards to protect staff and goods.

### Maximum

fleet availability thanks to the top-up charging capability of lithium-ion batteries.

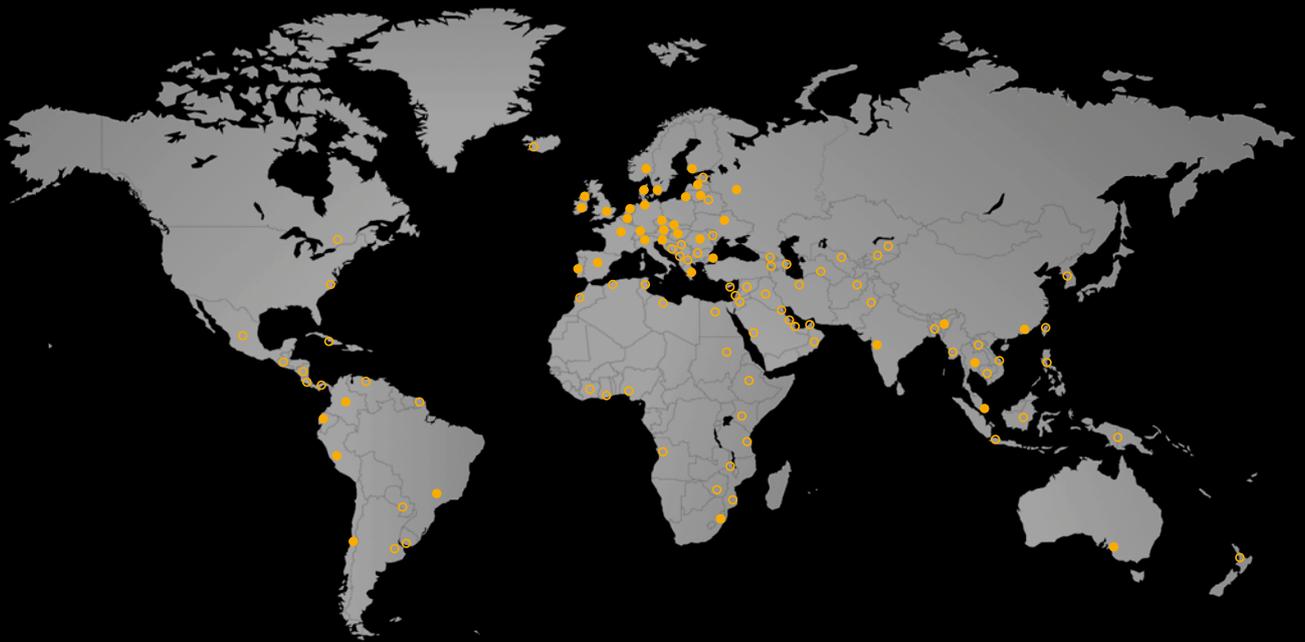
### Reduced

energy costs through active load management.



Find out more about this success story on our YouTube channel!

# Leading in material handling. We're by your side worldwide.



● Own direct sales  
companies in  
42 countries.

○ Partner companies in more  
than 80 additional countries.

○ Over 21,000 employees.

○ More than 6,300 technicians  
worldwide.

Founded in 1953, Jungheinrich is one of the world's leading solution providers for material handling. With a comprehensive portfolio of industrial trucks, automated systems and warehouse equipment as well as services, we offer you tailor-made solutions so you can focus on your core business with peace of mind. Thanks to our unique direct sales and service network, you have a reliable partner by your side at all times and anywhere in the world.



### **AUTOMATION SYSTEMS**

With extensive process knowledge and years of experience across numerous industries, we develop bespoke automation systems for you, from semi-automated to fully automated. Together, we will elevate your efficiency and productivity to a whole new level.



### **NEW EQUIPMENT**

Lifting, stacking, transporting, order picking — electric, combustion engine, or manual? Our product portfolio includes the right vehicles to suit your needs.



### **WAREHOUSE EQUIPMENT**

From pallet racking to automated small-parts storage, we offer tailored solutions for every item and warehouse size. Combined with Jungheinrich industrial trucks and IT solutions, this creates a future-proof, high-quality and unique concept for your intralogistics.



### **RENTAL**

Hiring stackers is not just for covering short-term or seasonal demand. Jungheinrich offers “Power on Demand” for every industry and business size. We provide rental solutions for all requirements, with a wide range of vehicles available immediately worldwide.



### **USED EQUIPMENT**

JUNGSTARS are used Jungheinrich vehicles that are among the best on the market. Our high-end refurbishment, based on the 5-star principle, restores each vehicle to top technical and visual condition, meeting the highest safety and sustainability standards.



### **DIGITAL SOLUTIONS**

With intelligent software and advanced hardware components, we enable full digital connectivity across your warehouse. All processes can be centrally monitored and efficiently managed, and integrating systems from various manufacturers is seamless.



### **CONSULTANCY**

Products and services need to be tailored to your specific requirements. That is why our consultancy combines outstanding technical expertise and process knowledge with deep industry insights, ensuring we find the best solution together.



### **FINANCING**

Jungheinrich Financial Services is your trusted partner throughout the entire lifecycle of your Jungheinrich product. We offer customised solutions for vehicles, racking, warehouse and system solutions, all while considering your budget and the specific demands of your business.



### **SERVICE AND SUPPORT**

Ensuring the smooth operation of your intralogistics solution is our top priority. With over 6,100 qualified service technicians worldwide, we provide reliable support for your vehicles and systems. This allows us to be on site quickly to restore the availability of your equipment with minimal downtime.

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

 Jungheinrich industrial trucks  
comply with European  
safety standards.

**Jungheinrich Lift Truck Ltd**

**J5 Maynooth Business Camus**  
**Maynooth**  
**Co. Kildare**  
**W23 AT81**

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