

Save on time, energy and space but not on safety and performance.

We offer you stacker trucks for every requirement.
Simple, safe and efficient to operate.

JUNGHEINRICH
Machines. Ideas. Solutions.



	Operator	Type	Truck model	Page
Stacking and order picking				
	Pedestrian	Normal, ramp comfort	EMC	7
	Pedestrian	Wide track	EMC	7
Stacking				
	Pedestrian	Normal, ramp comfort	EJC	9
	Pedestrian	Wide track	EJC	11
	Pedestrian	Support arm lift	EJC	13
Stacking and transporting				
	Ride-on standing	normal	ERC	15
	Ride-on standing	Support arm lift	ERC	15
	Ride-on sitting	normal	ESC	17
	Ride-on sitting	Support arm lift	ESC	17
Stacking, transshipment and transportation				
	Pedestrian	Double-deck function, support arm lift	EJD	19
	Ride-on standing	Double-deck function, support arm lift	ERD	19
	Ride-on standing and sitting	Double-deck function, support arm lift	ESD	19

Something you can rely on. Engineering made in Germany.

Our stacker trucks offer you the perfect solution for various transport distances and lift height. Whether for short distances solely in pedestrian mode, medium distances with combined pedestrian/ rider operation or long distances with rider operation. Capacities of 1,000 to 3,000 kg and a range of lift heights of up to 5,350 mm to suit varied operations.



Ramp comfort

The ramp comfort significantly increases the ground clearance, especially in the front support arm area. The slight backward tilt of the truck brings the load into a safe centre of gravity position. The advantage: Easy crossing through doorways, uneven surfaces or small ramps without grounding.



Wide track

The laterally offset support arms and the forks which can be lowered to the ground pass under the load unit when lifting. This also enables closed pallets or transverse pallets to be picked up, similar to a cantilever truck.



Support arm lift

The support arm lift (also optional for double-deck use) ensures that uneven floors, ramps, crossing plates and loading bridges can all be easily negotiated. It's easy with additional ground clearance – even under full load conditions.



Double-deck

Double decker trucks (EJD, ERD and ESD) combine the performance features of stacker trucks and pallet truck in a single vehicle. The main advantage: Lifting two Euro pallets simultaneously (1x 2,000 kg or 2x 1,000 kg capacity).

Every operator drives, stacks, steers differently.

That's why we've included a number of driver friendly ideas.

More power with lower operating costs thanks to 3-phase AC technology

Three-phase AC current is a type of alternating current from the regular power supply. Three-phase AC motors feature a smaller number of components and wear parts and operate more reliably and cost-effectively while providing significantly greater output. With no travel direction contactors or carbon brushes, and featuring enhanced performance data and improved handling, these motors are optimally suited to a wide range of applications while operating costs are simultaneously reduced.

Advantages of 3-phase AC technology:

- More cost-effective than DC technology.
- Virtually maintenance-free due to lack of carbon brushes and travel direction contactors.
- Change direction of travel through frequency control without the 'pause for thought' otherwise required.
- Motor resistant to dust and moisture

Safe cornering with CurveControl

Junghenrich CurveControl automatically reduces travel speed when cornering depending on the steer angle. This significantly reduces the risk of tipping over and skidding.

Safe speed regulation with SpeedControl

SpeedControl ensures maximum safety and effortless speed control in all situations.

- Roll-back protection on gradients with self-acting brake.
- Constant travel speed on gradients/descents.
- Energy recovery with regenerative braking.
- Particularly smooth stepless travel characteristics.
- Various drive parameters can be adjusted such as acceleration and braking patterns.



Precise monitoring with CanDis control display

CanDis (optional) informs the operator about battery charge, the number of operating hours and error codes.

Keyless access and adjustable travel characteristics with CanCode (optional)

- Activation with a four to six-digit PIN instead of an ignition key. This ensures that only authorised personnel have access to the truck.
- A choice of three travel programs. The drive parameters can also be individually adjusted.
- Switches off automatically by time control to prevent unauthorised use.



Ergonomic tiller head

- Easy control with grip contours specially adapted to the hand position for pedestrian or ride-on operation.
- Faster turnaround with direct control of all travel and lift functions without having to reach around.
- Optimum protection for the operator's hands thanks to enclosed truck perimeter on all sides.
- Arrangement of keys on both sides (optional) ensures equal ease of operation for both right-handed and left-handed operators.
- The crawl speed button allows for safe and effortless shunting of pedestrian trucks even in very narrow spaces and when the tiller is vertical. The travel speed is then automatically reduced to a slow speed.

Easier electric steering.

Electric tiller steering reduces the steering forces while at the same time saving valuable energy for both 'man and machine'. This makes it possible to handle even heavy loads precisely and with minimum effort. Especially when driving with the tiller vertical using the crawl speed button, electric steering allows the driver to steer easily and work safely.



Service-friendly 'bayonet castor wheel'

If a wheel change is required, the bayonet castor wheel can be easily and quickly removed with just a few manual actions. The truck does not have to be completely raised.



Long safety tiller ensures large safety distance

The long, low-mounted safety tiller in all our pedestrian trucks ensures the necessary distance from the truck. Other advantages: Less steering force and optimum operation of the tiller head.



Exact positioning of the load when stacking and retrieving

The lift trigger control is a further development of the proportional lifting and lowering. The lift trigger control adjusts the rotational speed of the lift motor precisely as specified by the button. The more forcefully the button is pushed, the faster the motor turns. The more forcefully the button is withdrawn, the slower the motor turns.

Advantages:

- Exact positioning of the load.
- Significant reduction in noise during slow lifting.
- Less wear because contactors are eliminated and starting currents are lower.
- More cost-effective due to lower power consumption. Proportional technology is used to lower the load.



JUNGHEINRICH
1896 111

EMC 110:

When you need one truck for all your needs.

Easy pushbutton operation

The EMC 110 with electrical drive and lift motor is user-friendly in every detail. It provides safety in every situation right from the start, even for inexperienced operators.

Two-stage lowering

The 2-stage lowering speed (optional) ensures that the load is deposited very gently in the rack or on the floor.

Fast, easy loading

The on-board battery charger ensures extremely simple operation and fast charging, resulting in less strain on the battery. The battery discharge indicator provides a continual reading of the battery charge status.

Maintenance-free 2x12-V-/70-Ah batteries can be charged at any 230-V socket with the mains plug.

EMC B10 wide-track version

The EMC B10 wide-track version (optional) offers especially great flexibility. It enables closed pallets to be picked up or even the use of attachments (e.g. crane hooks).

EMC 110 RK with ramp comfort

The ramp comfort feature clears the way for more output, especially on uneven floors and at ramp transitions: Two heavy-duty cylinders increase floor clearance in the otherwise critical support arm areas. The slight additional backward tilt brings the load into a safe centre of gravity position.

Options package

EMC 110/EMC B10

(Technical details pages 3–5)

- 3-phase AC technology
- Crawl speed button
- Long safety tiller
- Ergonomic tiller head
- CanDis (optional)
- CanCode (optional)
- SpeedControl

	Capacity (kg)	Lift height (mm)	Type
EMC 110	1,000	1,540/2,000	Normal/ramp comfort
EMC B10	1,000	1,540/2,000	Wide track





EJC 110/112:

Short and sweet.

Easy stacking and retrieval

The mast offers the best view of the load and stacking position. For the easy, safe and reliable handling of loads. Masts with lift heights up to 3,600 mm move the load safely up to the required height. Also available with a load backrest upon request.

Excellent manoeuvrability

The EJC series 1 really shows its strength wherever space is limited: Its low aisle width of just 2,121 mm guarantees easy, safe and reliable handling in restricted conditions.

Fast, easy loading

The on-board battery charger (optionally rapid charging function for charging within a shift) guarantees easy, gently and reliable charging at any 230-V socket.

EJC 112 with ramp comfort

The ramp comfort feature clears the way for more output, especially on uneven floors and at ramp transitions: Two heavy-duty cylinders increase floor clearance in the otherwise critical support arm areas. The slight additional backward tilt brings the load into a safe centre of gravity position.

Options package

EJC 110/112

(Technical details pages 3–5)

- 3-phase AC technology
- Crawl speed button
- Long safety tiller
- Ergonomic tiller head
- CanDis (optional).
- CanCode (optional).
- SpeedControl
- Lift trigger control (optional)

	Capacity (kg)	Lift height (mm)	Type
EJC 110	1,000	3,600	–
EJC 112	1,200	3,600	Normal/ramp comfort





EJC 212–220: Heights up to 5,350 mm.

Drive faster. Stack higher. Use for longer.

The EJC series 2 offers everything professionals need:

- Powerful drive and lift motors.
- High lift heights up to 5,250/5,350 mm (EJC 216/214)
- High residual capacities.
- Long uptimes with battery capacities up to 375 Ah.
- Electric steering (optional).

Sturdy chassis design

The EJC is built for demanding conditions. Its 8-mm thick chassis design can withstand even the toughest stress effortlessly. Also available with a frame for lateral battery replacement.

Powerful motors

The powerful 1.6-kW drive motor ensures that there is no difference in the driving speed with a load or without. Even with a load of 1,600 kg, the EJC series 2 reaches the maximum allowable travel speed of 6 km/h. The powerful 3 kW pump motor (EJC 212, 1.9 kW) and sensitive control of lifting and lowering speeds provide the ultimate in precision, safety and comfort.

Extra powerful: EJC 220

For especially tough applications: The EJC 220 with 2,000 kg capacity.

	Capacity (kg)	Lift height (mm)	Type
EJC 212	1,200	4,700	–
EJC 214	1,400	5,350	–
EJC 216	1,600	5,250	–
EJC 220	2,000	4,800	–
EJC 230	3,000	3,500	–
EJC B12	1,200	4,700	Wide track
EJC B14	1,400	5,350	Wide track
EJC B16	1,600	5,250	Wide track
EJC B20	2,000	2,800	Wide track

Options package

EJC 212–220

(Technical details pages 3–5)

- 3-phase AC technology
- Crawl speed button
- Long safety tiller
- Ergonomic tiller head
- CanDis (optional)
- CanCode (optional)
- SpeedControl
- Lift trigger control
- Electric steering (optional)





EJC 212z–216z: The advantage of floor clearance.

Small z – big difference

The EJC 212z–216z is able to raise the support arms an additional 125 mm. This makes it possible to lift and transport closed pallets and negotiate uneven areas on floors, ramps, crossing plates and loading bridges – even with a full load. Two pallets can also be transported at the same time, thus doubling throughput speed compared to transporting one pallet (optional).

Work safely and comfortably

- The key assignment for the additional support arm lift can be arranged on both the left and right side of the tiller head (optional).
- The crawl speed button ensures safety in highly confined areas when driving with the tiller upright.
- The speed-controlled hydraulic motor with reduced noise lifts loads precisely and gently.
- Proportional hydraulics is especially useful for setting loads down gently in the racking.
- Travel speed reduction starting at a height of about 1.8 m.
- The four-wheel concept ensures maximum stability.

A sound, need-based investment

- Different battery capacities (2 PzS 250 Ah/3 PzS 375 Ah).
- Integrated charger for wet cell batteries and maintenance-free batteries. Simple charging at any 230-V mains socket (optional).
- Standard side battery removal is useful for intensive multi-shift operation.
- The special cold-store version makes the EJCz fit for operation in the non-condensing area from 0 to –28 °C (optional).
- Battery lids made of steel plate ensure high resistance to damage especially in difficult operating conditions.

Options package

EJC 212z–216z

(Technical details pages 3–5)

- 3-phase AC technology
- Crawl speed button
- Long safety tiller
- Ergonomic tiller head
- CanDis (optional)
- CanCode (optional)
- SpeedControl
- Lift trigger control
- Electric steering (optional)
- Double deck (optional)

	Capacity (kg)	Lift height (mm)	Type
EJC 212z	1,200	4,700	Support arm lift
EJC 214z	1,400	5,350	Support arm lift
EJC 216z	1,600	5,250	Support arm lift





ERC 212–216 and ERC 212z–216z: Comfort plus flexibility.

Safe and comfortable rider mode

The ERC is ideally suited for effortless transport over extended distances and fast stacking or retrieval at heights up to 5,350 mm. The optimised cushioning of the stand-on platform facilitates comfortable driving and greatly reduces back stress, even when driving over uneven surfaces at speeds up to 9 km/h (optional). The sprung, hydraulically applied castor wheel ensures safe and stable handling in every situation with high residual capacities.

Good visibility for good driving

The panoramic mast, almost 'truck width' and with narrow mast profiles, provides fast, easy and safe handling of pallets and loads in every situation.

Greater throughput

Because the operator rides on the truck, there is a significant increase in throughput of up to 14 % compared to a pedestrian truck.

Even easier steering

Especially for narrow spaces: electric steering. The advantages: Significantly reduced steering force and greater stability in forward travel due to the underlying steering characteristics.

The right speed for every application

The ERC is continuously restricted to a speed of 4.4 km/h in pedestrian mode with the platform folded. It is available with three different maximum speeds for rider mode. Version 1: 6 km/h (stand-on platform without side arms). Version 2 (optional): 7 km/h (stand-on platform with side arms). Version 3 (optional): 9 km/h (stand-on platform with side arms and sprung hydraulic castor wheel).

	Capacity (kg)	Lift height (mm)	Type
ERC 212	1,200	4,700	normal/support arm lift
ERC 214	1,400	5,350	normal/support arm lift
ERC 216	1,600	5,250	normal/support arm lift

Options package

ERC 212–216

(Technical details pages 3–5)

- 3-phase AC technology
- Ergonomic tiller head
- CanDis (optional)
- CanCode (optional)
- SpeedControl
- Lift trigger control
- Curve Control
- Electric steering





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ESC 218r

ESC 214/216/316 and ESC 214z/216z/316z: Relaxed and efficient operation.

Compact design and high lift height.

With a truck width of only 820 mm, the ESC 214(z)/216(z) is the ideal space-saving truck for block stacking and similar tasks. The ESC 316(z) has ample leg room even for tall drivers with a width of 950 mm. Different masts (ZT, ZZ or DZ) ensure lift heights up to 5,350 mm.

Everything under control

The digital hourmeter and battery discharge indicator can be individually adjusted by the driver. Other advantages: Detailed plain text display to monitor individual operational conditions. Rapid and efficient servicing by simply checking the service data log.

Optimised operator/machine interface

The ESC is the ideal truck for high throughput over long transport distances. The crosswise arrangement of the seat ensures comfortable working with a clear view in both travel directions and relaxed sitting without twisting.

Other advantages:

- Padded knee area, height-adjustable footplate and roomy leg compartment with no annoying steering column.
- Multifunction lever provides effortless control.
- Comfort storage (optional).
- Comfort display (optional).

Options package

ESC 214(z)/216(z)/316(z)

(Technical details pages 3–5)

- SpeedControl
- CurveControl (optional)
- Electric steering



	Capacity (kg)	Lift height (mm)	Type
ESC 214(z)	1,400	5,350	normal/support arm lift
ESC 216(z)	1,600	5,350	normal/support arm lift
ESC 316(z)	1,600	5,350	normal/support arm lift





Double-deck stacker: Performance squared.

EJD 220 (pedestrian mode)

- 2,000 kg capacity.
- 2,560 mm lift height.
- 3-phase AC technology.
- Crawl speed button.
- Long safety tiller.
- Ergonomic tiller head.
- CanDis (optional).
- CanCode (optional).
- ProTracLink (hydraulic support).
- Lift trigger control.



ERD 220 (pedestrian/rider mode, standing)

- 2,000 kg capacity.
- 2,560 mm lift height.
- 3-phase AC technology.
- Electric tiller steering.
- Fixed stand-on platform (optional).
- Ergonomic tiller head.
- CanDis (optional).
- CanCode (optional).
- SpeedControl.
- ProTracLink (hydraulic support).
- ShockProtect.



ESD 120 (rider mode, standing)

- 2,000 kg capacity.
- 1,660 mm lift height.
- 760 mm width.
- Energy recovery system.
- SpeedControl.



ESD 220 (rider mode, sitting)

- 2,000 kg capacity.
- 1,660 mm lift height.
- 820 mm width.
- Energy recovery system.
- 3-phase AC technology.
- SpeedControl.



Yes or no?

Investment decisions can be difficult, but we provide the facts that make it easy for you:

BestInvest

Our stacker trucks can reduce your long-term operating costs by up to 20 %. Thanks to numerous technical and ergonomic advantages which minimise all your expenses from purchase through to disposal – The Total Cost of Operations (TCO). We call this promise BestInvest. It helps you turn your costs into profitable investments. So that you can make the best investment decision.

The right racking for the right truck

We offer you the complete solution for this: Integrated warehouse planning, where the racking and the truck work 'hand in hand' as parts of a single system. From project planning through CAD drafting to handover. From modular racking systems through system platforms to high-bay racking. From consultancy through installation to service. A one-stop shop Everything from Jungheinrich, your 'designer' for a complete intralogistics system.

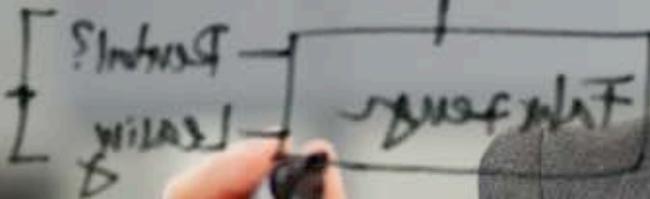
In-house financial services

We offer you a wide range of tailored solutions to suit your commercial, financial and balance sheet requirements – even if these should change over time. This will allow you to keep on the move and respond flexibly. Your consultant will be happy to work out which solution is best for your needs.



Handlungsablauf
Ergebnis

Ergebnisablauf



Ergebnis

+ Ergebnis
+ Ergebnis

A dedicated service network

Our own service engineers are available country-wide in various locations. Every one of them is a Jungheinrich professional: mechanic, electrician, electronics and hydraulics specialist combined in one person. And he will usually be with you within four hours.

25 % less CO₂ in ten years

We have drastically reduced the CO₂ missions for our entire truck range over the last ten years, and by more than 25% for the EFG series. This is thanks to a number of technological innovations which are currently setting the standards for CO₂ emissions.

Reduced CO₂ emissions also mean reduced energy costs

Our entire product cycle is now characterised by technical innovations for reducing CO₂ emissions: From manufacture through usage to reconditioning. And our high-tech solutions are really setting standards in the usage phase which is where 80–90% of all emissions occur. You can use this Jungheinrich advantage to your advantage: To immediately reduce your energy costs significantly while simultaneously achieving maximum throughput rates.

For further information, visit www.jungheinrich.co.uk/BestInvest

TÜV-certified product life-cycle assessment

TÜV-Nord has systematically analysed the life-cycle assessment and certified it in accordance with DIN EN ISO 14040, giving us the environmental rating 'Geprüfte Produkt-Ökobilanz' [Certified Product Life-cycle Assessment].





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Plants, Sales and
Services Europe
ISO 9001/ISO 14001



Jungheinrich trucks
conform to the European
Safety Requirements.

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