



Electric sideways-seated stacker **ESC 316 / 316z**

Lift height: 2800-6200 mm / Load capacity: 1600 kg

LION
technology

JUNGHEINRICH

The comfortable sideways seated stacker for long distances.

With initial lift for uneven grounds.

The ergonomic and powerful sideways-seated stackers ESC 316/316z are strong helpers for stacking in great height and for the transport of goods over long distances. Thanks to their powerful drive and lift motors efficiency is guaranteed. Due to our 3-phase AC technology you receive highest performance with low operating costs.

In case smaller bumps or uneven grounds have to be crossed during transport, the ESC 316z are the perfect choice. Their initial lift, which lifts the support arms independently from the lift arms, allows for safe crossing of these smaller obstacles.

Ergonomics and safety were central concerns during the construction of these stackers. The electric steering allows for easy manoeuvring, and the multifunction lever offers full control over all lift and drive functions, without change of grip. Additionally, the sideways seated position offers a fatigue-free all-round visibility so that frequent direction changes are effortless for the operator.



5 years carefree. Guaranteed.

Extremely fast charging times and zero maintenance make li-ion batteries by far the most enduring energy source. With our 5-year guarantee on li-ion batteries, we give you a long-term performance promise, regardless of operating hours.



100% satisfaction. Guaranteed.

We are convinced our lithium-ion technology is right for you. That's why we guarantee that you can easily and quickly switch back to the technology you originally used at any time within the first 6 months after delivery – without giving reasons.

All benefits at a glance:

- Ergonomic seating position for perfect all-round visibility
- High speed and acceleration
- High residual capacity and powerful lift motor
- Multifunctional tiller for easy operating
- 3-phase AC technology for agile load handling

Your Jungheinrich stacker truck for maximum customer benefits.



Efficiency

Maximum performance with the most efficient trucks.

Our powerful lead-acid batteries guarantee long operating hours. For even more flexibility our lithium-ion batteries come with extremely short charging times.

Innovative 3-phase AC technology

- Better performance combined with reduced operating costs.
- High efficiency levels with excellent energy management.
- Fast acceleration.
- Rapid direction change.
- No carbon brushes – maintenance-free drive motor.
- 2-year warranty on driving motor.

Long operating times with lead-acid battery

- Powerful battery with 3 PzS 465 Ah.
- Lateral battery exchange on rollers.

Available with lithium-ion technology

- High availability thanks to extremely short charging times.
- No battery exchange required.
- Saving costs due to longer service life and zero maintenance as compared to lead-acid batteries.
- No charging rooms and ventilation required as there is no build-up of gas.



Safety

Best prerequisites for working safely.

Comfort and safety go hand in hand, e.g. with the continuous driving behaviour and the automatic roll-back protection.

Comfortable and safe driving

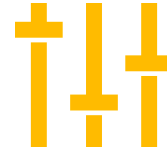
- Speed regulation with speedCONTROL impulse control system ensures maximum safety and simple travel speed control in all situations.
- Roll-back protection on gradients with automatically activated brake.
- Constant travel speed on gradients/descents.
- Energy recovery with regenerative braking.
- Particularly smooth, continuous driving.

Easy operation and good all-round visibility

- Operation of all drive and lift functions by multifunctional lever without changing grip.
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- Proportional hydraulics for precise load positioning.
- Smooth electric steering.
- Protected seating position within the enclosed truck contour.
- Excellent all-round visibility with no obstructive struts; good view through the mast and overhead guard.

Robustness and easy servicing

- Easy access to controller and electronics.
- Side opening to drive compartment.
- Robust, enclosed frame.



Individuality

A forklift truck as individual as your business.

Every application and every driver is a little different – these stackers adapt to any situation without a problem, flexible, comfortable and efficient.

Productivity enhancing ergonomics

- The arrangement of the operator workstation, sideways to the direction of travel, ensures optimum visibility and reduces potential neck complaints due to frequent changes in direction.
- Safety switch in the footwell for maximum safety.
- 930 mm vehicle width ensure comfortable leg space.
- Comfortable seat with adjustment for body weight.
- Padded armrest.
- Padded knee area.
- Grab rail for safe entry (also serves as holder for storage trays or for a data radio terminal).

Versatile utilisation and excellent manoeuvrability

- As a variant with additional lift, the ESC 316z can lift the support arms independently of the forks, thereby effortlessly overcoming uneven floors.
- Short working aisle width and well protected operator position for optimum operation in narrow working aisles.

Additional equipment

- Various storage options.
- Heatable seat.
- Load guard.
- Display (travel direction, steering setting, battery status, operating hours, time of day, travel programs).

Overview

The right solution for your applications:

Name	Load capacity/ load	Lift height (max.)	Travel speed un- laden	Aisle width (pal- let 800x1200 length)	Lift speed un- laden
ESC 316	1600 kg	6200 mm	9.1 km/h	2360 mm	0.24 m/s
ESC 316z	1600 kg	6200 mm	9.1 km/h	2433 mm	0.23 m/s

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

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



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