

Pedestrian controlled
counterbalance truck

Compact and manoeuvrable

Maintenance-free
3-phase AC motor

Sensitive lifting and lowering



EJK 106/108/110/112

Self-supporting electric pedestrian controlled truck (600/800/1,000/1,200 kg)

The EJK is a pedestrian controlled counterbalance truck which can be used wherever support arm stacker trucks cannot operate (e.g. lifting perimeter based pallets directly from the floor, special load sizes, racking with collision protection). With an overall width of just 910 mm and a high degree of manoeuvrability, the truck can also be operated with ease in confined warehouse areas.

The EJK in pedestrian mode can be operated without a driver certificate and is therefore suitable for applications where personnel change frequently. Ideal for beverage markets or for production.

A flexible fork lift truck, the EJK offers many advantages:

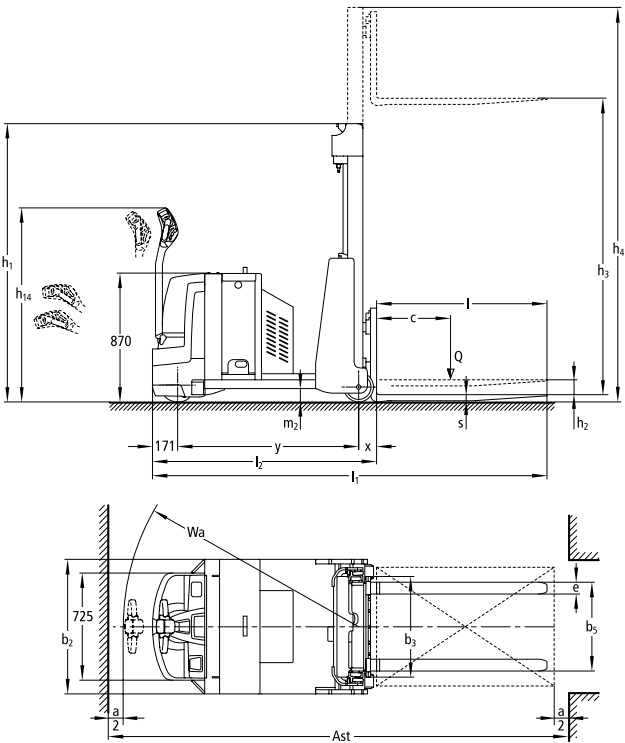
- Extremely sturdy frame and load section.
- High ground clearance and large load wheels for comfortable travel on uneven ground.
- Sensitive lifting and lowering.
- Excellent energy management.

It also offers ergonomic advantages. The low mounted, long tiller ensures a safe distance from the chassis for the operator. The crawl button assists in extremely confined areas. It allows the truck to travel at an automatically reduced speed with the tiller upright.

The EJK draws its energy from batteries with capacities of up to 375 Ah.

JUNGHEINRICH

EJG 106/108/110/112



| Standard mast designs EJG 106/108/110/112 | | | | |
|---|-----------------------|--------------------------------------|----------------------------|---------------------------------------|
| | Lift h_3 (mm) | Lowered mast height h_1 (mm) | Free lift h_2 (mm) | Extended mast height h_4 (mm) |
| Duplex ZT | 2500 | 1930 | 100 | 3153 |
| | 2700 | 2030 | 100 | 3353 |
| | 2900 | 2130 | 100 | 3553 |
| | 3200 | 2280 | 100 | 3853 |
| | 3600 | 2480 | 100 | 4253 |
| | 4100 | 2550 | 100 | 4575 |
| | 4300 | 2650 | 100 | 4775 |
| Duplex ZZ | 2500 | 1880 | 1227 | 3153 |
| | 2900 | 2080 | 1427 | 3553 |
| | 3200 | 2230 | 1577 | 3853 |
| | 3600 | 2480 | 1777 | 4253 |
| | 4100 | 2500 | 2025 | 4575 |
| Triplex DZ | 4090 | 1845 | 1338 | 4597 |
| | 4300 | 1915 | 1408 | 4807 |
| | 4700 | 2050 | 1543 | 5212 |

Technical data in line with VDI 2198

| | | | | | | | | |
|------------------|-------|--|--------------------------------|------|-----------------|---------------|---------------|---------------|
| Identification | 1.1 | Manufacturer (abbreviation) | | | Jungheinrich | | | |
| | 1.2 | Model | | | EJG 106 | EJG 108 | EJG 110 | EJG 112 |
| | 1.3 | Drive | | | Electric | | | |
| | 1.4 | Manual, pedestrian, stand-on, seated, order picker operation | | | pedestrian | | | |
| | 1.5 | Load capacity/rated load | Q | t | 0.6 | 0.8 | 1 | 1.2 |
| | 1.6 | Load centre distance | c | mm | 500 | | | |
| | 1.8 | Load distance | x | mm | 120 | | | |
| | 1.9 | Wheelbase | y | mm | 960 | 1,090 | 1,220 | 1,350 |
| Weights | 2.1.1 | Net weight incl. battery (see row 6.5) | | kg | 1,980 | 2,045 | 2,110 | 2,175 |
| | 2.2 | Axle loading, laden front/rear | | kg | 550 / 2,030 | 550 / 2,295 | 550 / 2,560 | 550 / 2,825 |
| | 2.3 | Axle loading, unladen front/rear | | kg | 1,000 / 980 | 1,030 / 1,015 | 1,070 / 1,040 | 1,100 / 1,075 |
| Wheels / frame | 3.1 | Tyres | | | PU | | | |
| | 3.2 | Tyre size, front | | mm | Ø 230 x 70 | | | |
| | 3.3 | Tyre size, rear | | mm | Ø 200 x 100 | | | |
| | 3.5 | Wheels, number front/rear (x = driven wheels) | | | 1x/2 | | | |
| Basic dimensions | 4.2 | Mast height (lowered) | h ₁ | mm | 1,930 | | | |
| | 4.3 | Free lift | h ₂ | mm | 100 | | | |
| | 4.4 | Lift | h ₃ | mm | 2,500 | | | |
| | 4.9 | Height of tiller in drive position min. / max. | h ₁₄ | mm | 865 / 1,320 | | | |
| | 4.15 | Height, lowered | h ₁₃ | mm | 70 | | | |
| | 4.19 | Overall length | l ₁ | mm | 2,400 | 2,530 | 2,660 | 2,790 |
| | 4.20 | Length including fork shank | l ₂ | mm | 1,250 | 1,380 | 1,510 | 1,640 |
| | 4.21 | Overall width | b ₁ /b ₂ | mm | 910 | | | |
| | 4.22 | Fork dimensions | s/e/l | mm | 40 / 80 / 1,150 | | | |
| | 4.24 | Fork carriage width | b ₃ | mm | 680 | | | |
| | 4.31 | Ground clearance with load under mast | m ₁ | mm | 60 | | | |
| | 4.32 | Ground clearance, centre of wheelbase | m ₂ | mm | 90 | | | |
| | 4.34 | Aisle width for pallets 800 x 1200 lengthways | Ast | mm | 2,730 | 2,860 | 2,990 | 3,120 |
| Performance data | 5.1 | Travel speed, laden/unladen | | km/h | 4.6 / 5.2 | | | |
| | 5.2 | Lift speed, laden/unladen | | m/s | 0.13 / 0.2 | | | |
| | 5.3 | Lowering speed, laden/unladen | | m/s | 0.43 / 0.4 | | | |
| | 5.10 | Service brake | | | electric | | | |
| Electrics | 6.1 | Drive motor, output S2 60 min. | | kW | 1.0 | | | |
| | 6.2 | Lift motor, output at S3 15% | | kW | 1.7 | | | |
| | 6.3 | Battery as per DIN 43531/35/36 A, B, C, no | | | A | | | |
| | 6.4 | Battery voltage/nominal capacity K5 | | V/Ah | 24 / 375 | | | |
| | 6.5 | Battery weight | | kg | 306 | | | |
| Misc. | 8.1 | Type of drive control | | | AC speedCONTROL | | | |

Benefit from the advantages



Lifting perimeter based pallets directly from the floor – no problem for the EJG



Ergonomic tiller



Sideways battery exit (optional)



Excellent visibility through the mast

Innovative 3-phase AC technology

Our 3-phase AC technology motors offer you more power and performance, while at the same time reducing operating costs:

- High efficiency levels with excellent energy management.
- Powerful acceleration.
- Intuitive, and fast to change direction of travel.
- No carbon brushes – maintenance-free drive motor.
- 2-year warranty on the drive motor.

Cantilever stacking

- The counterbalance design with no interference from support arms, also allows the transport of transverse pallets or special loads.
- The generous ground clearance with 200 mm load wheels also allows the truck to travel over uneven ground and low thresholds.
- The short overall length makes manoeuvring easier in confined areas.

- Precise and gentle lifting of the load by speed-controlled hydraulic motor.
- Gentle depositing of loads using proportional hydraulics.

Work ergonomically

The newly developed tiller head is perfectly adapted to the ergonomic needs of the operator:

- A clear colour coding system and buttons with abrasion-resistant symbols make for intuitive operation.
- Grip angle to suit the hand position of the operator.
- Mechanical steering with low mounted long tiller.

Fully informed at all times

Extensive control tools and settings allow the operator to control everything at a glance:

- Combined battery discharge indicator (3-colour LCD) with lift cut-off and charge status indicator (for on-board charger).

- Can-Dis information display (optional) with additional hour meter and error code logging.
- Activation of truck via PIN code and selection of 3 travel programs via CanCode (optional).
- Adjustable travel parameters via CanDis and CanCode (optional).

Reduced maintenance costs

AC systems provide a clear, long-term reduction in running costs:

- Maintenance-free 3-phase AC drive motor without carbon brushes.
- Easy access to all components.
- For example, solid protection against dust and humidity through IP 54 enclosure of the control system and connectors.

Batteries

- 3 PzS 375 Ah.
- 3 PzS 300 Ah.

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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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