

Powerful and efficient
with maintenance-free
AC drive motor

Electronically controlled
lift motor for sensitive
lifting and lowering

Lifting enclosed pallets
or cross pallets

Crawl speed button for
full manoeuvrability
with tiller upright



EJC B12/B14/B16/B20

Wide track, electric pedestrian controlled truck (1,200/1,400/1,600/2,000 kg)

The EJC B12/B14/B16/B20 pedestrian stackers are mainly designed for the flexible handling of special loads. With its straddled support arms and forged forks that can be lowered to the floor, the truck can lift loads by entering the load unit from below. This enables parameter based pallets or transverse pallets, for instance, to be picked up in a similar way to a counterbalanced fork lift truck.

The electronically controlled, powerful lift motor ensures smooth and quiet lifting and lowering of the load. This enables lift heights of up to 5,350 mm (EJC B14) to be reached. From smooth depositing, rapid lifting and lowering or precisely approaching the racking – the operator has everything under control at all times.

The support arms are available in different versions so they can be adjusted to different loads and pallet sizes. 4-point suspen-

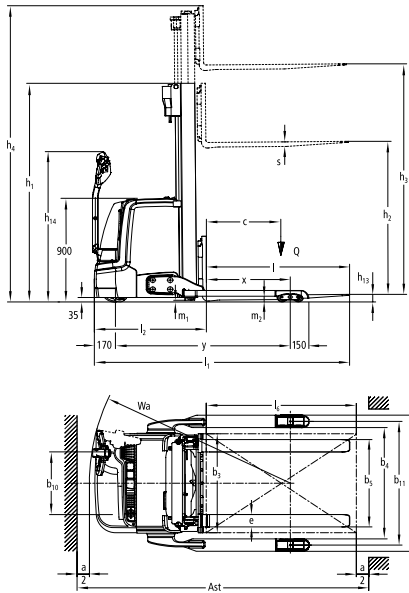
sion and the widened solid steel support arms ensure excellent stability and high residual capacities.

The low-mounted long tiller ensures that a large safety distance is maintained between the operator and truck. If space becomes tight, simply pressing the crawl speed button is sufficient to manoeuvre the EJC B with the tiller in an upright position.

The side mounting of the tiller always provides unobstructed visibility towards the load.

Electric tiller steering (optional for EJC B14/B16/B20) provides low steering forces and consequently fatigue-free steering, especially when driving with the tiller in a vertical position. The built-in charger (optional) ensures comfortable and reliable charging at any standard 13 Amp plug socket. The quick-charging function (optional) guarantees charging within one shift (EJC B12).

EJC B12/B14/B16/B20



| Standard mast designs EJC B12/B14/B16/B20 | | | | | | | | | | | | | |
|---|-----------------------|--------------------------------------|--------------------|--------------------|---------|----------------------------|---------|---------|---------|---------------------------------------|---------|---------|---------|
| | Lift h_5 (mm) | Lowered mast height h_1 (mm) | | | | Free lift h_2 (mm) | | | | Extended mast height h_4 (mm) | | | |
| | | EJC B12 | EJC B14 | EJC B16 | EJC B20 | EJC B12 | EJC B14 | EJC B16 | EJC B20 | EJC B12 | EJC B14 | EJC B16 | EJC B20 |
| Duplex ZT | 2400 | - | - | 1750 ¹⁾ | - | - | - | 100 | - | - | - | 2970 | - |
| | 2500 | 1750 ¹⁾ | 1750 ¹⁾ | - | 1950 | 100 | 100 | - | 100 | 3070 | 3070 | - | 3210 |
| | 2600 | - | - | 1850 ¹⁾ | - | - | - | 100 | - | - | - | 3170 | - |
| | 2700 | 1850 | 1850 ¹⁾ | - | - | 100 | 100 | - | - | 3270 | 3270 | - | - |
| | 2800 | - | - | 1950 ¹⁾ | 2100 | - | - | 100 | 100 | - | - | 3370 | 3510 |
| | 2900 | 1950 | 1950 ¹⁾ | - | - | 100 | 100 | - | - | 3470 | 3470 | - | - |
| | 3100 | - | - | 2100 ¹⁾ | - | - | - | 100 | - | - | - | 3670 | - |
| | 3200 | 2100 | 2100 ¹⁾ | - | - | 100 | 100 | - | - | 3770 | 3770 | - | - |
| | 3500 | - | - | 2300 ¹⁾ | 2450 | - | - | 100 | 100 | - | - | 4070 | 4210 |
| | 3600 | 2300 | 2300 ¹⁾ | - | - | 100 | 100 | - | - | 4170 | 4170 | - | - |
| | 3800 | - | - | 2450 ¹⁾ | - | - | - | 100 | - | - | - | 4370 | - |
| | 4000 | - | - | 2550 ¹⁾ | - | - | - | 100 | - | - | - | 4570 | - |
| 4100 | - | 2550 ¹⁾ | - | - | - | 100 | - | - | - | 4670 | - | - | |
| 4200 | - | - | 2650 ¹⁾ | - | - | - | 100 | - | - | - | 4770 | - | |
| 4300 | - | 2650 ¹⁾ | - | - | - | 100 | - | - | - | 4870 | - | - | |
| Duplex ZZ | 2400 | - | - | 1700 ¹⁾ | - | - | - | 1130 | - | - | - | 2970 | - |
| | 2500 | 1700 | 1700 | - | 1900 | 1225 | 1130 | - | 1235 | 3070 | 3070 | - | 3210 |
| | 2800 | - | - | 1900 | 2050 | - | - | 1330 | 1385 | - | - | 3370 | 3510 |
| | 2900 | 1900 | 1900 | - | - | 1425 | 1330 | - | - | 3470 | 3470 | - | - |
| | 3100 | - | - | 2050 | - | - | - | 1480 | - | - | - | 3670 | - |
| | 3200 | 2050 | 2050 | - | - | 1575 | 1480 | - | - | 3770 | 3770 | - | - |
| | 3500 | - | - | 2250 | 2400 | - | - | 1680 | 1735 | - | - | 4070 | 4210 |
| | 3600 | 2250 | 2250 | - | - | 1775 | 1680 | - | - | 4075 | 4170 | - | - |
| | 4000 | - | - | 2500 | - | - | - | 1930 | - | - | - | 4570 | - |
| | 4100 | - | 2500 | - | - | - | 1930 | - | - | - | 4670 | - | - |
| | 4200 | - | - | 2600 | - | - | - | 2030 | - | - | - | 4770 | - |
| | 4300 | - | 2600 | - | - | - | 2030 | - | - | - | 4870 | - | - |
| Triplex DZ | 3510 | - | - | - | 1850 | - | - | - | 1150 | - | - | - | 4255 |
| | 3990 | - | - | 1830 | - | - | - | 1260 | - | - | - | 4560 | - |
| | 4090 | - | 1830 | - | - | - | 1260 | - | - | - | 4660 | - | - |
| | 4200 | - | - | 1900 | 2080 | - | - | 1330 | 1380 | - | - | 4770 | 4945 |
| | 4300 | 1915 | 1900 | - | - | 1430 | 1330 | - | - | 4870 | 4870 | - | - |
| | 4590 | - | - | 2030 | - | - | - | 1460 | - | - | - | 5160 | - |
| | 4690 | - | 2030 | - | - | - | 1460 | - | - | - | 5260 | - | - |
| | 4700 | 2050 | - | - | - | 1565 | - | - | - | 5275 | - | - | - |
| | 4800 | - | - | - | 2280 | - | - | - | 1580 | - | - | - | 5545 |
| | 5250 | - | - | 2250 | - | - | - | 1680 | - | - | - | 5820 | - |
| | 5350 | - | 2250 | - | - | - | 1680 | - | - | - | 5920 | - | - |

¹⁾ with 100 mm free lift

Technical data in line with VDI 2198

| | | | Jungheinrich | | | | |
|------------------|---|--|--|-----------------------|-----------------------|-----------------------|---------------------|
| | | | EJC B12 ⁵⁾ | EJC B14 ⁵⁾ | EJC B16 ⁵⁾ | EJC B20 ⁵⁾ | |
| Identification | 1.1 | Manufacturer (abbreviation) | | | | | |
| | 1.2 | Model | | | | | |
| | 1.3 | Drive | Electric | | | | |
| | 1.4 | Manual, pedestrian, stand-on, seated, order picker operation | pedestrian | | | | |
| | 1.5 | Load capacity/rated load | Q t | 1.2 | 1.4 | 1.6 | 2 |
| | 1.6 | Load centre distance | c mm | 600 | | | |
| | 1.8 | Load distance | x mm | 703 ³⁾ | 668 ³⁾ | 668 ³⁾ | 668 ³⁾ |
| | 1.9 | Wheelbase | y mm | 1,339 | 1,409 | 1,409 | 1,409 |
| | Weights | 2.1.1 | Net weight incl. battery (see row 6.5) | kg | 1,065 | 1,146 | 1,146 |
| 2.2 | | Axle load with load front/rear | kg | 800 / 1,465 | 822 / 1,724 | 828 / 1,918 | 880 / 2,442 |
| 2.3 | | Axle load without load front/rear | kg | 730 / 335 | 753 / 393 | 753 / 393 | 850 / 472 |
| Wheels / frame | 3.1 | Tyres | PU | | | | |
| | 3.2 | Tyre size, front | mm | Ø 230 x 70 | | | |
| | 3.3 | Tyre size, rear | mm | Ø 85 x 75 | | | |
| | 3.4 | Additional wheels (dimensions) | mm | Ø 140 x 57 | | | |
| | 3.5 | Wheels, number front/rear (x = driven wheels) | | 1x+1/4 | | | |
| | 3.6 | Tread width, front | b ₁₀ mm | 507 | | | |
| | 3.7 | Tread width, rear | b ₁₁ mm | 1,000 / 1,170 / 1,370 | | | |
| Basic dimensions | 4.2 | Mast height (lowered) | h ₁ mm | 1,950 | 1,950 | 1,950 | 2,100 |
| | 4.3 | Free lift | h ₂ mm | 100 | | | |
| | 4.4 | Lift | h ₃ mm | 2,900 | 2,900 | 2,800 | 2,800 |
| | 4.5 | Extended mast height | h ₄ mm | 3,470 | 3,470 | 3,370 | 3,477 |
| | 4.9 | Height of tiller in drive position min. / max. | h ₁₄ mm | 850 / 1,305 | | | |
| | 4.15 | Height, lowered | h ₁₃ mm | 70 | | | |
| | 4.19 | Overall length | l ₁ mm | 1,955 ³⁾ | 2,060 ³⁾ | 2,060 ³⁾ | 2,060 ³⁾ |
| | 4.20 | Length to face of forks | l ₂ mm | 805 ³⁾ | 910 ³⁾ | 910 ³⁾ | 910 ³⁾ |
| | 4.21 | Overall width | b ₁ /b ₂ mm | 1,100 / 1,470 | | | |
| | 4.22 | Fork dimensions | s/e/l mm | 40 / 100 / 1,150 | 40 / 100 / 1,150 | 40 / 100 / 1,150 | 50 / 140 / 1,150 |
| | 4.23 | Fork carriage ISO 2328, class/type A, B | | 2A | 2A | 2A | 2B |
| | 4.24 | Fork carriage width | b ₃ mm | 800 | | | |
| | 4.25 | Width across forks | b ₅ mm | 706 | | | |
| | 4.31 | Floor clearance with load under mast | m ₁ mm | 40 | | | |
| | 4.32 | Ground clearance, centre of wheelbase | m ₂ mm | 50 | | | |
| 4.33 | Aisle width for pallets 1000 x 1200 sideways | Ast mm | 2,197 ²⁾ | 2,302 ²⁾ | 2,302 ²⁾ | 2,302 ²⁾ | |
| 4.34 | Aisle width for pallets 800 x 1200 lengthways | Ast mm | 2,247 ¹⁾ | 2,352 ¹⁾ | 2,352 ¹⁾ | 2,352 ¹⁾ | |
| 4.35 | Turning radius | W _a mm | 1,550 ⁴⁾ | 1,620 ⁴⁾ | 1,620 ⁴⁾ | 1,620 ⁴⁾ | |
| Performance data | 5.1 | Travel speed, laden/unladen | km/h | 6 / 6 | | | |
| | 5.2 | Lift speed, laden/unladen | m/s | 0.13 / 0.22 | 0.16 / 0.25 | 0.15 / 0.25 | 0.1 / 0.18 |
| | 5.3 | Lowering speed, laden/unladen | m/s | 0.43 / 0.37 | 0.37 / 0.34 | 0.37 / 0.34 | 0.37 / 0.34 |
| | 5.8 | Max. gradeability, laden/unladen | % | 8 / 16 | 8 / 16 | 7 / 16 | 5 / 16 |
| | 5.10 | Service brake | | regenerative | | | |
| Electrics | 6.1 | Drive motor, output S2 60 min. | kW | 1.0 | 1.6 | 1.6 | 1.6 |
| | 6.2 | Lift motor, output at S3 (on time) 11 % | kW | 0 | 3 | 3 | 3 |
| | 6.2 | Lift motor, output at S3 (on time) 12 % | kW | 2 | 0 | 0 | 0 |
| | 6.3 | Battery as per DIN 43531 / 35/36 A, B, C, no | | 3 PzB | 3 PzS | 3 PzS | 3 PzS |
| | 6.4 | Battery voltage/nominal capacity K5 | V/Ah | 24 / 300 | 24 / 375 | 24 / 375 | 24 / 375 |
| | 6.5 | Battery weight | kg | 250 | 288 | 288 | 288 |
| Misc. | 8.1 | Type of drive control | | AC SpeedControl | | | |
| | 8.4 | Sound pressure level at operator's ear as per EN 12053 | dB (A) | 63 | | | |

¹⁾ Diagonal as per VDE: depending on width over support arms 133/133/209 mm

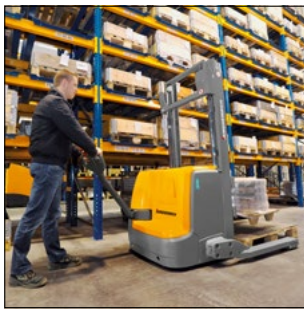
²⁾ Diagonal as per VDI: depending on tread width 203/203/259 mm

³⁾ DZ: x -3 mm; l1 +3 mm; l2 +3 mm

⁴⁾ Tiller in upright position (crawl speed)

⁵⁾ Values for 290 ZT standard mast; 280 ZT and with battery as per line 6.5

Benefit from the advantages



The EJC B14 at work



Support arm with patented tandem load wheels



Integrated charger for convenient and, when required, quick charging of the battery at any mains socket

Intelligent control and drive technology

Our 3-phase AC technology motors offer you more power and performance while, at the same time, reducing operating costs. Make the most of these advantages:

- High level of efficiency with excellent energy management.
- Powerful acceleration.
- Rapid direction change.
- SpeedControl – roll-back protection on gradients.
- No carbon brushes – maintenance-free drive motor.

Flexible and safe operation

The EJC B12/B14/B16/B20 has an ISO fork carriage for a variety of adjustable options for different uses/loads: from forged forks with different dimensions to assembling attachments with hydraulic function, for example (optional). Other advantages:

- Support arms can be adjusted to three overall truck widths to ensure high driving stability: 1,100 mm, 1,270 mm and 1,470 mm
- The operator remains safely within the truck contours during travel in drive direction.

Safe and comfortable stacking and retrieval

All lifting and lowering functions are conveniently controlled from the multi-functional tiller arm. This allows the operator to concentrate fully on stacking and retrieving. Other safety features that make working safe and efficient include:

- Precise, sensitive load handling through electronically controlled hydraulic motor.
- Gentle depositing of loads using proportional hydraulics.
- Additional reduction of travel speed from lift heights of approx. 1.8 m.
- Long tiller provides safe distance between operator and truck.
- Rounded, enclosed truck geometry.
- Four-wheel concept for maximum stability.
- Electric tiller steering for fatigue-free steering in any situation (optional for EJC B14/B16/B20).

Designed to ensure easy servicing

- Drive motor panel is easy to open with only two screws.
- Service access ports on the front apron.

- Simple and quick changing of load rollers with patented tandem load wheel rocker.
- Load rollers protected from above and frontal impact.

Plenty of convenient storage areas

- Pencil and clip pad.
- Document holder on front cover.

Optimum battery management

The frame is designed to hold large batteries for long operating times:

- Battery compartment M: 3 PzS 225/300 Ah (EJC B12).
- Battery compartment L: 3 PzS 270/375 Ah (EJC B14/B16/B20).
- Built-in charger for easy charging at any standard 13 Amp mains socket (optional).
- Quick-charging function for charging within one shift (optional for EJC B12).
- Battery exchange is from above.

Optional equipment

- Cold store version.
- Load guard available in different heights.
- Special gentle lowering

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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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