

Powerful, maintenance-free
3-phase AC drive motor

Lifting enclosed pallets
or transverse pallets

Sensitive lifting and lowering

Crawl speed with tiller vertical

Flexible adjustment to a wide
variety of applications



LION
technology

EJC B12/B14/B16/B20

**Electric pedestrian controlled truck, wide track
model (1,200/1,400/1,600/2,000 kg)**

The EJC B12/B14/B16/B20 pedestrian stacker is mainly designed for the flexible handling of special loads. With its laterally offset 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 transverse Euro pallets or closed pallets to be picked up in a similar way to a counterbalanced forklift truck.

The electronically controlled, powerful lift motor ensures smooth and quiet lifting and lowering of the load. This enables lift heights of up to 5350 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.

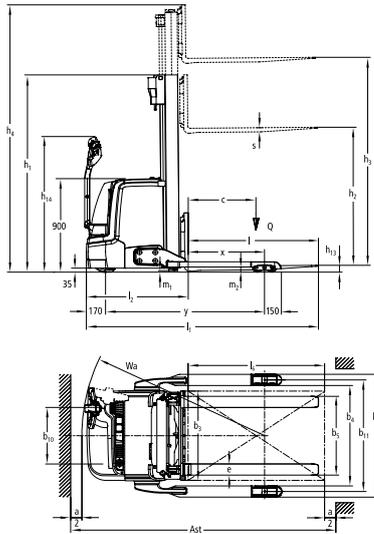
The support arms are available in different versions so they can be adjusted to different loads and pallet sizes. 4-point suspension and the widened solid steel support arms ensure excellent stability and high residual capacities.

The low-mounted, long tiller ensures that a large safety distance is maintained between the operator and truck. 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.

An optional built-in charger allows the integrated battery to be easily and reliably charged at any mains socket. In addition, the EJC B12/B14/B16 can be equipped with an innovative lithium-ion battery up to 360 Ah. The rapid and boost charge features facilitate flexible usage even in multi-shift operation. Low maintenance and the longer service life reduce costs.

JUNGHEINRICH

EJC B12/B14/B16/B20



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)	Jungheinrich				
	1.2	Model	EJC B12 ⁵⁾	EJC B14 ⁵⁾	EJC B16 ⁵⁾	EJC B20 ⁵⁾	
	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 loading, laden front/rear	kg	800 / 1,465	822 / 1,724	828 / 1,918	880 / 2,442
2.3		Axle loading, unladen front/rear	kg	730 / 335	753 / 393	753 / 393	850 / 472
Wheels / frame	3.1	Tyres	PU				
	3.2	Tyre size, front	Ø 230 x 70				
	3.3	Tyre size, rear	Ø 85 x 75				
	3.4	Additional wheels (dimensions)	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 crossways	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
	6.6	Energy consumption according to VDI cycle	kWh/h	0	0	0	1.35
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 VDI: Depending on tread width 133/133/209 mm

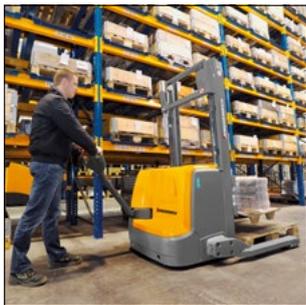
²⁾ Diagonal as per VDI: depending on tread width 203/203/259 mm

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 wheel rocker

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. The advantages are:

- High efficiency levels with excellent energy management.
- Powerful acceleration.
- Rapid direction change.
- speedCONTROL: Roll-back protection on gradients
- No carbon brushes: The drive motor is maintenance-free.

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).

- High travel stability due to laterally offset support arms in 3 truck widths: 1100 mm, 1270 mm, 1470 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 lifting by speed controlled and noise-reduced hydraulic motor.
- Gentle depositing of loads using proportional hydraulics.
- Additional reduction of travel speed from lift heights of approx. 1800 mm.
- Long tiller provides safe distance between operator and truck.
- Four-wheel concept for high stability.
- Electric tiller steering for fatigue-free steering in any situation (optional for EJC B14/B16/B20).

Designed for easy servicing

- Drive motor panel is easy to open with only 2 screws.
- Service access ports on front apron.
- Simple and quick changing of load rollers with patented tandem load wheel rocker.
- Load rollers protected against impact.

Plenty of convenient storage areas

Already included as standard:

- 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 size M: 3 PzB 225/300 Ah (EJC B12).
- Battery compartment size L: 3 PzS 270/375 Ah (EJC B14/B16/B20).
- Built-in charger for easy charging at any standard 230 V mains socket (optional).
- High availability due to extremely short charging times and option of boost charging due to innovative lithium-ion technology (up to 360 Ah, optional).

Additional equipment

- Cold store version.
- Load guard available in different heights.
- Especially slow and sensitive load lowering.

Lithium-ion technology

- High degree of availability thanks to extremely short charging times.
- No battery exchange required.
- Cost savings due to longer service life and low maintenance compared with lead-acid batteries.
- No charging rooms and ventilation required as there is no build up of gas.
- Longer service life with 5-year Jungheinrich guarantee.

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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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