

Lift heights up to 6 m
High residual capacities
Sensitive lifting and lowering

LiION
technology



EJC 212/214/216/220/230

Electric pedestrian controlled truck (1,200/1,400/1,600/2,000/3,000 kg)

The EJC pedestrian controlled trucks are designed for demanding applications. The trucks offer high lift heights up to 6000 mm, residual capacities as well as long operating times. The powerful 3-phase AC drive motor combined with the controller developed by Jungheinrich, guarantees high performance with simultaneously very low energy consumption. This ensures high throughput.

The trucks also feature an outstanding level of user friendliness:

- Precise and sensitive lifting by electronically controlled lift motor which makes it easier, in particular, to stack large loads in narrow racking.
- Gentle depositing of the load on the floor or in the racking with proportional hydraulics.
- Especially low noise levels whilst lifting slowly reduce operator fatigue.
- liftPLUS (optional) enables the EJC 214/216 to achieve a significantly higher lift speed when lifting the forks (up to 400 kg) in comparison with the production version.

- Electric tiller steering (optional) provides low steering forces for fatigue-free steering – especially when driving with the tiller vertical (crawl speed mode).
- Practical storage compartments put all the tools and equipment you may need, such as pens, knives or documents, within easy reach.

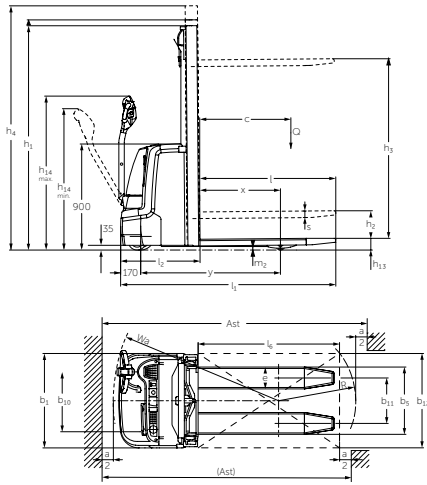
As well as user friendliness, the truck offers excellent safety features: The long safety tiller in conjunction with the enclosed truck contours and the low apron ensure high operator safety.

The EJC draws its energy from batteries with capacities of up to 375 Ah. Rapid lateral battery exchange enables the truck to be used in multi-shift operations. A built-in charger (optional) allows the integrated battery to be easily and reliably charged at any mains socket.

The rapid and boost charging capability of the innovative lithium-ion batteries (optional) also facilitates flexible use in multi-shift operation. Costs are reduced due to maintenance-free operation and the longer service life.

JUNGHEINRICH

EJC 212/214/216/220/230



Standard mast designs EJC 212/214/216/220/230

	Lift h_3 (mm)	Lowered mast height ¹⁾ h_1 (mm)					Free lift h_2 (mm)					Extended mast height h_4 (mm)				
		EJC 212	EJC 214	EJC 216	EJC 220	EJC 230	EJC 212	EJC 214	EJC 216	EJC 220	EJC 230	EJC 212	EJC 214	EJC 216	EJC 220	EJC 230
		Duplex ZT	2400	-	-	1750	-	-	-	-	100	-	-	-	-	2925
	2500	1750	1750	-	1950	-	100	100	-	100	-	2975	2975	-	3165	-
	2600	-	-	1850	-	-	-	-	100	-	-	-	-	3125	-	-
	2700	1850	1850	-	-	-	100	100	-	-	-	3175	3175	-	-	-
	2800	-	-	1950	2100	2080	-	-	100	100	100	-	-	3325	3465	3466
	2900	1950	1950	-	-	-	100	100	-	-	-	3375	3375	-	-	-
	3100	-	-	2100	-	-	-	-	100	-	-	-	-	3625	-	-
	3200	2100	2100	-	-	-	100	100	-	-	-	3675	3675	-	-	-
	3500	-	-	2300	2450	2430	-	-	100	100	100	-	-	4025	4165	4166
	3600	2300	2300	-	-	-	100	100	-	-	-	4075	4075	-	-	-
	3800	-	-	2450	-	-	-	-	100	-	-	-	-	4325	-	-
	4000	-	-	2550	-	-	-	-	100	-	-	-	-	4525	-	-
	4100	2550	2550	-	-	-	100	100	-	-	-	4575	4575	-	-	-
	4200	-	-	2650	-	-	-	-	100	-	-	-	-	4725	-	-
	4300	2650	2650	-	-	-	100	100	-	-	-	4775	4775	-	-	-
	4400	-	-	2750	-	-	-	-	100	-	-	-	-	4925	-	-
	4500	-	2750	-	-	-	-	100	-	-	-	-	4975	-	-	-
Duplex ZZ	2400	-	-	1700	-	-	-	-	1175	-	-	-	-	2925	-	-
	2500	1700	1700	-	1900	-	1225	1225	-	1235	-	2975	2975	-	3165	-
	2800	-	-	1900	2050	2060	-	-	1375	1385	1410	-	-	3325	3465	3466
	2900	1900	1900	-	-	-	1425	1425	-	-	-	3375	3375	-	-	-
	3100	-	-	2050	-	-	-	-	1525	-	-	-	-	3625	-	-
	3200	2050	2050	-	-	-	1575	1575	-	-	-	3675	3675	-	-	-
	3500	-	-	2250	2400	2410	-	-	1725	1735	1760	-	-	4025	4165	4166
	3600	2250	2250	-	-	-	1775	1775	-	-	-	4075	4075	-	-	-
	4000	-	-	2500	-	-	-	-	1975	-	-	-	-	4525	-	-
	4100	2500	2500	-	-	-	2025	2025	-	-	-	4575	4575	-	-	-
	4200	-	-	2600	-	-	-	-	2075	-	-	-	-	4725	-	-
	4300	2600	2600	-	-	-	2125	2125	-	-	-	4775	4775	-	-	-
Triplex DZ	3510	-	-	-	1850	-	-	-	-	1150	-	-	-	-	4210	-
	3990	-	-	1830	-	-	-	-	1298	-	-	-	-	4522	-	-
	4090	1845	1830	-	-	-	1338	1341	-	-	-	4597	4579	-	-	-
	4200	-	-	1900	2080	-	-	-	1368	1380	-	-	-	4732	4900	-
	4300	1915	1900	-	-	-	1408	1411	-	-	-	4807	4789	-	-	-
	4590	-	-	2030	-	-	-	-	1498	-	-	-	-	5122	-	-
	4620	-	-	-	-	2200	-	-	-	-	1540	-	-	-	-	5300
	4690	-	2030	-	-	-	-	1541	-	-	-	-	5179	-	-	-
	4700	2050	-	-	-	-	1543	-	-	-	-	5212	-	-	-	-
	4800	-	-	-	2280	-	-	-	-	1580	-	-	-	-	5500	-
	5250	-	-	2250	-	-	-	-	1718	-	-	-	-	5782	-	-
	5350	-	2250	-	-	-	-	1761	-	-	-	-	5839	-	-	-
	6000	-	2500	2500	-	-	-	1968	1968	-	-	-	6532	6532	-	-

¹⁾ with 100 mm free lift

Technical data in line with VDI 2198

		Jungheinrich						
		EJC 212 ⁵⁾	EJC 214 ⁵⁾	EJC 216 ⁵⁾	EJC 220 ⁵⁾	EJC 230		
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	3
	1.6	Load centre distance	c mm	600				
	1.8	Load distance	x mm	688 ⁷⁾	689 ⁷⁾	689 ⁷⁾	689 ⁷⁾	700
	1.9	Wheelbase	y mm	1,256 ⁶⁾	1,277 ⁶⁾	1,277 ⁶⁾	1,357	1,570
	Weights	2.1.1	Net weight incl. battery (see row 6.5)	kg	980	1,039	1,044	1,207
2.2		Axle loading, laden front/rear	kg	740 / 1,440	794 / 1,645	814 / 1,830	878 / 2,329	1,291 / 3,550
2.3		Axle loading, unladen front/rear	kg	660 / 320	721 / 318	724 / 320	805 / 402	1,150 / 660
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 110	Ø 85 x 110	Ø 85 x 110	Ø 85 x 85	Ø 85 x 110
	3.4	Additional wheels (dimensions)	mm	Ø 140 x 54				
	3.5	Wheels, number front/rear (x = driven wheels)		1x +1/2	1x +1/2	1x +1/2	1x +1/4	1x +1/4
	3.6	Tread width, front	b ₁₀ mm	507				
	3.7	Tread width, rear	b ₁₁ mm	400	400	400	400	370
Basic dimensions	4.2	Mast height (lowered)	h ₁ mm	1,950	1,950	1,950	2,100	2,080
	4.3	Free lift	h ₂ mm	100				
	4.4	Lift	h ₃ mm	2,900	2,900	2,800	2,800	2,800
	4.5	Extended mast height	h ₄ mm	3,375	3,375	3,325	3,465	3,466
	4.9	Height of tiller in drive position min. / max.	h ₁₄ mm	850 / 1,305	850 / 1,305	850 / 1,305	850 / 1,305	850 / 1,298
	4.15	Height, lowered	h ₁₃ mm	90	90	90	90	95
	4.19	Overall length	l ₁ mm	1,887 ^{6/7)}	1,908 ^{6/7)}	1,908 ^{6/7)}	1,988 ⁷⁾	2,180
	4.20	Length to face of forks	l ₂ mm	737 ^{6/7)}	758 ^{6/7)}	758 ^{6/7)}	838 ⁷⁾	1,030
	4.21	Overall width	b ₁ /b ₂ mm	800	800	800	820	800
	4.22	Fork dimensions	s/e/l mm	56 / 185 / 1,150	56 / 185 / 1,150	56 / 185 / 1,150	61 / 195 / 1,150	85 / 210 / 1,150
	4.25	Width across forks	b ₅ mm	570	570	570	570	580
	4.32	Ground clearance, centre of wheelbase	m ₂ mm	30	30	27	20	20
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast mm	2,136 ^{3/6)}	2,149 ^{3/6)}	2,149 ^{3/6)}	2,229 ³⁾	2,480
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast mm	2,186 ^{2/6)}	2,199 ^{2/6)}	2,199 ^{2/6)}	2,279 ²⁾	2,490	
4.35	Turning radius	W _a mm	1,474 ^{4/6)}	1,488 ^{4/6)}	1,488 ^{4/6)}	1,568 ⁴⁾	1,780	
Performance data	5.1	Travel speed, laden/unladen	km/h	6 / 6	6 / 6	6 / 6	6 / 6	5.5 / 5.5
	5.2	Lift speed, laden/unladen	m/s	0.13 / 0.22	0.16 / 0.25	0.16 / 0.25	0.1 / 0.18	0.07 / 0.15
	5.3	Lowering speed, laden/unladen	m/s	0.43 / 0.37	0.37 / 0.34	0.37 / 0.34	0.37 / 0.34	0.25 / 0.25
	5.8	Max. gradeability, laden/unladen	%	8 / 16	8 / 16	8 / 16	5 / 16	2 / 14
	5.10	Service brake		regenerative				
Electrics	6.1	Drive motor, output S2 60 min.	kW	1.0 ¹⁾	1.6	1.6	1.6	1.6
	6.2	Lift motor, output at S3 10%	kW	0	0	0	0	3
	6.2	Lift motor, output at S3 (on time) 11%	kW	0	3	3	3	0
	6.2	Lift motor, output at S3 (on time) 12%	kW	2	0	0	0	0
	6.3	Battery as per DIN 43531/35/36 A, B, C, no		no	no	no	B 43535	B 43535
	6.4	Battery voltage/nominal capacity K5	V/Ah	24 / 300	24 / 300	24 / 300	24 / 375	24 / 375
	6.5	Battery weight	kg	243	243	243	288	288
	6.6	Energy consumption according to VDI cycle	kWh/h	0	0	0	1.35	0
	6.6	Energy consumption as per EN 16796	kWh/h	0.66	0.79	0.86	0	0
Misc.	8.1	Type of drive control		AC speedCONTROL				
	8.4	Sound pressure level at operator's ear as per EN 12053	dB (A)	62	63	63	63	70

¹⁾ 1.6 kW with option of electric steering

²⁾ Diagonal as per VDI: + 138 mm

³⁾ Diagonal as per VDI: + 214 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

⁶⁾ with battery compartment L (375 Ah) + 80 mm

⁷⁾ With DZ mast: x - 42 mm; l1 + 42 mm; l2 + 42 mm

Benefit from the advantages



Precise and simple stacking of loads



Many storage options for keeping equipment within easy reach



On-board charger also suitable for larger batteries

Intelligent control and drive technology

Our 3-phase AC motors with electronic control, tuned perfectly to the application, offer you higher performance while simultaneously reducing running costs. The advantages are:

- High efficiency levels with excellent energy management.
- Powerful acceleration.
- Rapid direction change.
- Maintenance-free drive motor.

Safe and comfortable stacking and retrieval

Intuitive control of all lifting and lowering functions with the multifunctional tiller arm – allowing the operator to focus entirely on stacking and retrieval:

- Precise, sensitive load lifting by speed controlled and noise-reduced hydraulic motor.
- Gentle depositing of loads using proportional hydraulics.
- Automatic reduction in speed with raised load.
- Four-wheel concept for high stability.
- liftPLUS (optional): The EJC 214/216 achieves a significantly higher lift speed (up to 400 kg) in comparison with the production version.

Practical storage compartments

The EJC offers plenty of storage space for a tidy workplace:

- Paper compartment in the front panel.
- Storage compartments in the dashboard panel.
- Clip pad.

Robust construction

The EJC has been particularly robustly designed:

- 1-piece, hot-rolled box section forks.
- Torsion-resistant mast with high residual capacities.
- Battery lid made of solid sheet steel.
- Front apron reinforced with additional beading and contouring.

Service-friendly technology

- Support wheel with bayonet mechanism for simple wheel replacement with only slightly raised truck.
- Tiller electronics sealed completely against moisture and dirt as per IP 65.
- Electronic controls sealed for protection as per IP 54.
- With EJC 212 (optional), on-board charger is protected against moisture and dirt as per IP 54.

Fully informed at all times

The 2-inch display (optional) as the main display and setting instrument offers user control at a glance:

- Battery charge status, number of operating hours and event messages.
- Choice of 3 travel programs.
- Activation of the truck by EasyAccess via softkey, PIN code or optional transponder card.

Additional equipment

- Twin roller support wheel to reduce wear.
- Load guard.
- Gentle depositing of the load on the ground.
- Cold store version.

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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