

Pedestrian controlled
counterbalance truck

Powerful 3-phase
AC drive motor

Electric steering



EJK 212/214/216

Self-supporting electric pedestrian controlled truck (1,200/1,400/1,600 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 910 mm and a high degree of manoeuvrability, it can also be operated with ease in confined warehouse areas. Above all, the EJK 212 offers a very short front chassis length.

The EJK in pedestrian mode can be operated without a driver certificate and is therefore suitable for applications where personnel change frequently. As a universal truck, the EJK offers a number of advantages:

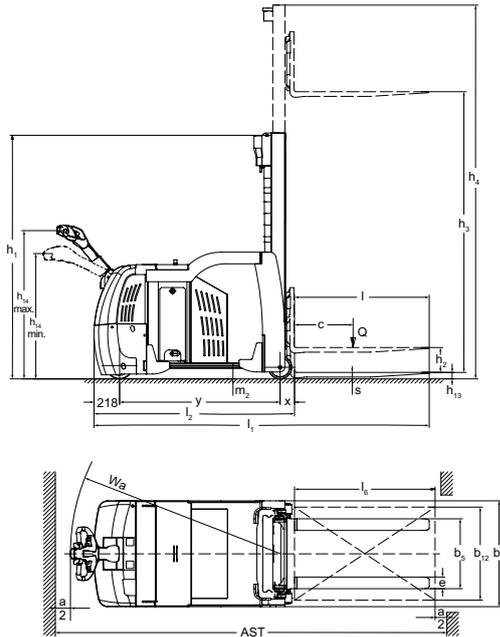
- Gentle depositing of the load on the floor or in the racking with proportional hydraulics.

- Minimum noise during lifting.
- Electric tiller steering means greatly reduced steering force for fatigue-free steering.
- Extremely sturdy frame and load section.
- High ground clearance and large load wheels for comfortable travel on uneven ground.

The EJK draws its energy from batteries with capacities of up to 375 Ah. Battery compartments for lateral battery exchange are available for multi-shift operations (optional). A built-in charger (optional) ensures comfortable and reliable charging at any standard 230-V mains socket.

**JUNGHEINRICH**

EJG 212/214/216



Standard mast designs EJG 212/214/216

	Lift h_3 (mm)	Lowered mast height h_1 (mm)			Free lift h_2 (mm)			Extended mast height h_4 (mm)		
		EJG 212	EJG 214	EJG 216	EJG 212	EJG 214	EJG 216	EJG 212	EJG 214	EJG 216
Duplex ZT	2400	-	-	1965 ¹⁾	-	-	100	-	-	3185
	2500	1965 ¹⁾	1965 ¹⁾	-	100	100	-	3285	3285	-
	2600	-	-	2065 ¹⁾	-	-	100	-	-	3385
	2700	2065	2065 ¹⁾	-	100	100	-	3485	3485	-
	2800	-	-	2165 ¹⁾	-	-	100	-	-	3585
	2900	2165	2165 ¹⁾	-	100	100	-	3685	3685	-
	3100	-	-	2365 ¹⁾	-	-	100	-	-	3885
	3200	2315	2315 ¹⁾	-	100	100	-	3985	3985	-
	3500	-	-	2515 ¹⁾	-	-	100	-	-	4285
	3600	2515	2515 ¹⁾	-	100	100	-	4385	4385	-
	3800	-	-	2665 ¹⁾	-	-	100	-	-	4585
	4000	-	-	2765 ¹⁾	-	-	100	-	-	4785
	4100	-	2765 ¹⁾	-	-	100	-	-	4885	-
4200	-	-	2865 ¹⁾	-	-	100	-	-	4985	
4300	-	2865 ¹⁾	-	-	100	-	-	5085	-	
Duplex ZZ	2400	-	-	1915 ¹⁾	-	-	1130	-	-	3185
	2500	1915	1915	-	1225	1130	-	3285	3285	-
	2800	-	-	2115	-	-	1330	-	-	3585
	2900	2115	2115	-	1425	1330	-	3685	3685	-
	3100	-	-	2265	-	-	1480	-	-	3885
	3200	2265	2265	-	1575	1480	-	3985	3985	-
	3500	-	-	2465	-	-	1680	-	-	4285
	3600	2465	2465	-	1775	1680	-	4290	4385	-
	4000	-	-	2715	-	-	1930	-	-	4785
	4100	-	2715	-	-	1930	-	-	4885	-
	4200	-	-	2815	-	-	2030	-	-	4985
4300	-	2815	-	-	2030	-	-	5085	-	
Triplex DZ	3990	-	-	2045	-	-	1260	-	-	4775
	4090	-	2045	-	-	1260	-	-	4875	-
	4200	-	-	2115	-	-	1330	-	-	4985
	4300	2130	2115	-	1430	1330	-	5085	5085	-
	4590	-	-	2245	-	-	1460	-	-	5375
	4690	-	2245	-	-	1460	-	-	5475	-
	4700	2265	-	-	1565	-	-	5490	-	-
	5250	-	-	2465	-	-	1680	-	-	6035
	5350	-	2465	-	-	1680	-	-	6135	-

¹⁾ with 100 mm free lift

Technical data in line with VDI 2198

			Jungheinrich			
			EJG 212	EJG 214	EJG 216	
Identification	1.1	Manufacturer (abbreviation)		Jungheinrich		
	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
	1.6	Load centre distance	c mm	500		
	1.8	Load distance	x mm	120		
	1.9	Wheelbase	y mm	1,130	1,250	1,370
	Weights	2.1.1	Net weight incl. battery (see row 6.5)	kg	2,275	2,285
2.2		Axle loading, laden front/rear	kg	685 / 2,790	685 / 3,000	685 / 3,210
2.3		Axle loading, unladen front/rear	kg	1,340 / 935	1,375 / 910	1,410 / 885
Wheels / frame	3.1	Tyres		Vu		
	3.2	Tyre size, front	mm	Ø 230 x 100		
	3.3	Tyre size, rear	mm	Ø 200 x 100		
	3.5	Wheels, number front/rear (x = driven wheels)		1x / 2		
	3.7	Tread width, rear	b ₁₁ mm	764		
Basic dimensions	4.2	Mast height (lowered)	h ₁ mm	2,165		
	4.3	Free lift	h ₂ mm	100		
	4.4	Lift	h ₃ mm	2,800		
	4.5	Extended mast height	h ₄ mm	3,585		
	4.9	Height of tiller in drive position min. / max.	h ₁₄ mm	1,080 / 1,275		
	4.15	Height, lowered	h ₁₃ mm	70		
	4.19	Overall length	l ₁ mm	2,630	2,750	2,870
	4.20	Length including fork shank	l ₂ mm	1,480	1,600	1,720
	4.21	Overall width	b ₁ /b ₂ mm	910		
	4.22	Fork dimensions	s/e/l mm	40 / 80 / 1,150		
	4.23	Fork carriage ISO 2328, class/type A, B		2B		
	4.24	Fork carriage width	b ₃ mm	680		
	4.25	Width across forks	b ₅ mm	580		
4.32	Ground clearance, centre of wheelbase	m ₂ mm	90			
4.34	Aisle width for pallets 800 x 1200 lengthways	Ast mm	3,110	3,230	3,350	
4.35	Turning radius	W _a mm	1,630	1,750	1,870	
Performance data	5.1	Travel speed, laden/unladen	km/h	6 / 6		
	5.2	Lift speed, laden/unladen	m/s	0.15 / 0.25		
	5.3	Lowering speed, laden/unladen	m/s	0.37 / 0.34		
	5.10	Service brake		electric		
Electrics	6.1	Drive motor, output S2 60 min.	kW	2.8		
	6.2	Lift motor, output at S3 15%	kW	3.0		
	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



Ergonomic operating handle



Increased ground clearance with large load wheels



Excellent view of the load for precise positioning



Lateral battery exchange (optional)

Cantilever stacking

- The cantilever design, with no interference from support arms, also allows the transport of sideways pallets or special load carriers.
- 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.

Safe and comfortable stacking and retrieval

All lifting and lowering functions are intuitively controlled with the multifunctional tiller arm. This allows the operator to concentrate fully on stacking and retrieving:

- 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.
- A clear colour coding system and buttons with abrasion-resistant symbols make for intuitive operation.

Robust design

The EJG is designed for high-throughput operation:

- 8-mm steel frame.
- Closed frame.
- Robust mast with high residual capacities.

Intelligent control and drive technology

Jungheinrich 3-phase AC motors with electronic control, tuned perfectly to the application, offering higher performance and low running costs. Make the most of

these advantages:

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

Batteries

- 3 EPzS 375 Ah.
- Side battery exchange (optional).

Options

- Fork tilt.
- CanDis control instrument.
- CanCode access control.
- Cold store version.
- Load guard.

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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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