

Powerful and efficient
with maintenance-free
AC drive motor

Sensitive lifting and lowering
with quiet, speed-controlled
hydraulic motor

Additional support
arm lift gives increased
ground clearance

High residual capacities
thanks to sturdy design
and four-wheel chassis

Electric tiller steering
for especially easy
steering (optional)

Fast lifting of light loads
with LiftPlus (optional
up to 1.6 tonnes)



EJC 212z/214z/216z/220z

Electric pedestrian stacker with support arm lift (1,200/1,400/1,600/2,000 kg)

The EJC 212z/214z/216z/220z pedestrian controlled truck is an expert at placing and removing goods from storage. Designed for high performance at heights of up to 5,350 mm (EJC 214z), high residual capacities and long uptimes, it achieves maximum throughput. The electronically controlled, powerful lift motor ensures smooth and quiet lifting or lowering of the load at the touch of a button: From smooth depositing, rapid lifting and lowering or precisely approaching the racking – the operator has everything under control at all times.

There is also a powerful 24-volt 3-phase AC drive motor. With its optimum efficiency the motor ensures high speeds and outstanding acceleration in all situations. LiftPlus (optional) enables the EJC 214z/216z to achieve a significantly higher lift speed when lifting the forks with a light load (up to 400 kg) in comparison with the production version.

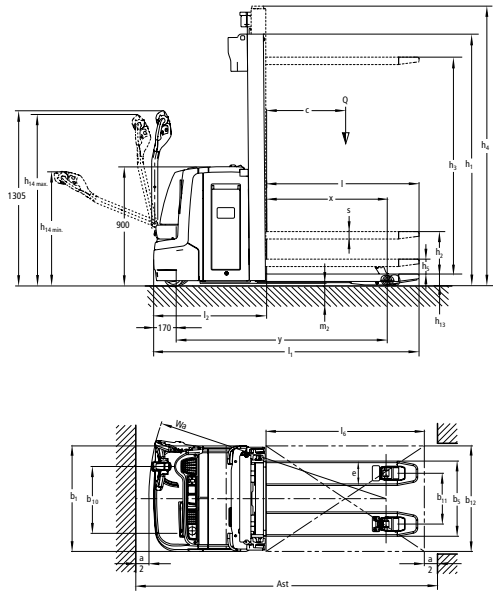
The support arm lift is a special feature on this truck: It ensures

effortless operation on uneven floors, ramps, crossing plates or loading bridges with additional ground clearance – even with full load. It also allows two pallets to be transported simultaneously, doubling the speed of operation compared to single pallet transportation (optional).

The robust and rigid frame made of 8-mm thick steel, the stable 4-point suspension and the torsion-resistant mast ensure high residual capacities.

Electric tiller steering (optional) provides greatly reduced steering force for fatigue-free steering, especially when driving with the tiller vertical using the crawl speed button. A built-in charger (optional) ensures easy, reliable battery charging at any standard 230-V socket. Optional quick-charging function also available. Rapid lateral battery exchange enables the truck to be used in multi-shift operations.

EJC 212z/214z/216z/220z



Standard mast designs EJC 212z/214z/216z/220z													
	Lift h_3 (mm)	Lowered mast height ¹⁾ h_1 (mm)				Free lift h_2 (mm)				Extended mast height h_4 (mm)			
		EJC 212z	EJC 214z	EJC 216z	EJC 220z	EJC 212z	EJC 214z	EJC 216z	EJC 220z	EJC 212z	EJC 214z	EJC 216z	EJC 220z
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	-	-	100	100	-	-	3325	3465
	2900	1950	1950	-	-	100	100	-	-	3375	3375	-	-
	3100	-	-	2100	-	-	-	100	-	-	-	3625	-
	3200	2100	2100	-	-	100	100	-	-	3675	3675	-	-
	3500	-	-	2300	2450	-	-	100	100	-	-	4025	4165
	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	-	-	
Duplex ZZ	2400	-	-	1700	-	-	-	1175	-	-	-	2925	-
	2500	1700	1700	-	1900	1225	1225	-	1235	2975	2975	-	3165
	2800	-	-	1900	2050	-	-	1375	1385	-	-	3325	3465
	2900	1900	1900	-	-	1425	1425	-	-	3375	3375	-	-
	3100	-	-	2050	-	-	-	1525	-	-	-	3625	-
	3200	2050	2050	-	-	1575	1575	-	-	3675	3675	-	-
	3500	-	-	2250	2400	-	-	1725	1735	-	-	4025	4165
	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	-	1830	-	-	-	1341	-	-	-	4579	-	-
	4200	-	-	1900	2080	-	-	1368	1380	-	-	4732	4900
	4300	1915	1900	-	-	1408	1411	-	-	4807	4789	-	-
	4590	-	-	2030	-	-	-	1498	-	-	-	5122	-
	4690	-	2030	-	-	-	1541	-	-	-	5179	-	-
	4700	2050	-	-	-	1543	-	-	-	5212	-	-	-
	4800	-	-	-	2280	-	-	-	1580	-	-	-	5500
	5250	-	-	2250	-	-	-	1718	-	-	-	5782	-
5350	-	2250	-	-	-	-	1761	-	-	-	5839	-	

¹⁾ EJC 212z/214z/216z: with 100 mm free lift

Technical data in line with VDI 2198

		Jungheinrich							
				EJC 212z ⁶⁾	EJC 214z ⁶⁾	EJC 216z ⁶⁾	EJC 220z		
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	910 ³⁾⁴⁾				
	1.9	Wheelbase	y	mm	1,571 ⁴⁾	1,592 ⁴⁾	1,592 ⁴⁾	1,592 ⁴⁾	
	Weights	2.1.1	Net weight incl. battery (see row 6.5)		kg	1,180	1,240	1,260	1,293
2.2		Axle load with load front/rear		kg	1,105 / 1,275	1,180 / 1,460	1,250 / 1,610	1,250 / 2,049	
2.3		Axle load without load front/rear		kg	840 / 340	880 / 360	900 / 360	917 / 374	
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 95 / 75	Ø 85 x 95 / 75	Ø 85 x 95 / 75	Ø 85 x 75	
	3.4	Additional wheels (dimensions)		mm Ø 140 x 54					
	3.5	Wheels, number front/rear (x = driven wheels)			1x +1/2 or 4	1x +1/2 or 4	1x +1/2 or 4	1x +1/4	
	3.6	Tread width, front	b ₁₀	mm	507				
	3.7	Tread width, rear	b ₁₁	mm	385				
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	3,375	3,375	3,325	3,465
	4.6	Initial lift		h ₅	mm	122			
	4.9	Height of tiller in drive position min. / max.		h ₁₄	mm	850 / 1,305	850 / 1,305	850 / 1,295	850 / 1,295
	4.15	Height, lowered		h ₁₃	mm	90			
	4.19	Overall length		l ₁	mm	1,981 ³⁾	2,002 ³⁾	2,002 ³⁾	2,002 ³⁾
	4.20	Length to face of forks		l ₂	mm	831 ³⁾	852 ³⁾	852 ³⁾	852 ³⁾
	4.21	Overall width		b ₁ /b ₂	mm	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
	4.25	Width across forks		b ₅	mm	570			
	4.32	Ground clearance, centre of wheelbase		m ₂	mm	20			
	4.33	Aisle width for pallets 1000 x 1200 sideways		Ast	mm	2,217 ²⁾	2,238 ²⁾	2,238 ²⁾	2,238 ²⁾
4.34	Aisle width for pallets 800 x 1200 lengthways		Ast	mm	2,267 ¹⁾	2,288 ¹⁾	2,288 ¹⁾	2,288 ¹⁾	
4.35	Turning radius		W _a	mm	1,777 ⁴⁾⁵⁾	1,798 ⁴⁾⁵⁾	1,798 ⁴⁾⁵⁾	1,798 ⁴⁾⁵⁾	
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	1.6				
	6.2	Lift motor kW rating at S3 7%		kW	2.2	0.0	0.0	0.0	
	6.2	Lift motor, output at S3 (on time) 11 %		kW	0	3	3	3	
	6.3	Battery as per DIN 43531 /35/36 A, B, C, no		no					
	6.4	Battery voltage/nominal capacity K5		V/Ah	24 / 375				
	6.5	Battery weight		kg	300				
6.6	Energy consumption according to VDI cycle		kWh/h	1.02	1.25	1.31	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)	60	63	63	63	

¹⁾ Diagonal according to VDI: + 204 mm

²⁾ Diagonal in accordance with VDI: + 368 mm

³⁾ DZ: x - 42 mm; l1 + 42 mm; l2 + 42 mm

⁴⁾ Load section lowered: 54 mm

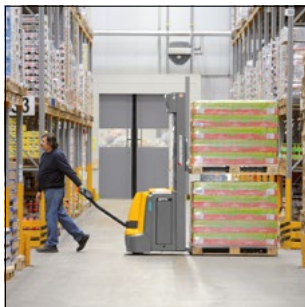
⁵⁾ Tiller in upright position (crawl speed)

⁶⁾ Values for standard mast 290/280 ZT

Benefit from the advantages



Negotiating a ramp with the EJC 212z/214z/216z/220z



Double-decker mode (optional)



CanDis and CanCode display instruments

"Intelligent" controls and progressive drive technology

Jungheinrich three-phase AC motors offer greater performance whilst reducing operating costs. Make the most of these advantages:

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

Versatile support arm lift

A second lifting mechanism, the support arm lift, is used to raise the support arms independently of the forks. As a result, the EJC 212z/214z/216z/220z can overcome uneven ground, ramps and loading bridges with ease. Support arm and mast lifts operate independently of each other. The advantage: Double-decker transport of two pallets simultaneously is possible (optional).

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 stacking safe and efficient include:

- Precise, sensitive load lifting by speed controlled and noise-reduced hydraulic motor.
- LiftPlus (optional) enables the EJC 214z/216z to achieve a significantly higher lift speed with a light load (up to 400 kg) in comparison with the standard version. For improving throughput when stacking!
- Gentle depositing of loads using proportional hydraulics.
- Additional reduction of travel speed from lift heights of approx. 1.8 m.
- Rounded and enclosed truck contours.
- Four-wheel concept for maximum stability.

High performance in every situation

The EJC 212z/214z/216z/220z has been designed for intensive operation. Its powerful lift motor (2.2/3 kW) and dynamic 1.6 kW drive motor in 3-phase AC technology ensure maximum throughput. Other advantages:

- 8 mm thick steel frame.
- Heavy-duty rolled box section forks.
- Torsion-resistant mast with high residual capacities.

Service-friendly design

- Slow travel with lowered forks reduces fork wear (optional).
- Service access ports on front apron.
- Support wheel with intelligently designed "bayonet" mechanism enables the wheel to be replaced from the top without having to raise the truck.

Fully informed at all times

Extensive instruments and setting options allow the operator to monitor the situation at a glance:

- Discharge indicator (3-colour LED) with lift cut-out.
- CanDis information display (optional) showing operating hours and control messages.
- Activation of truck via PIN and selection of 3 travel programs via CanCode (optional).
- Travel parameters can be set via CanDis and CanCode (optional).

Long uptimes

Large battery capacities ensure long uptimes:

- MX battery compartment: 2 PzS 250 Ah
- LX battery compartment: 3 PzS 375 Ah
- On-board charger (24V/30A) for wet cell batteries and maintenance-free batteries for easy charging at any 230 V mains socket (optional).
- The standard side battery removal, for intensive multi-shift operation.

Additional equipment

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

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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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