

Lift heights up to 6 m
Sensitive lifting and lowering
Sprung platform
curveCONTROL



ERC 212/214/216/220

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

The ERC 212/214/216/220 electric pedestrian-controlled trucks combine the manoeuvrability of a pedestrian stacker with the comfort and speed of a ride-on truck.

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.

The powerful 24-V 3-phase AC drive motor with its optimised efficiency achieves high speeds and excellent acceleration combined with low consumption levels.

With the ride-on option, the ERC offers very cost-effective throughput/transport of goods over longer distances. The

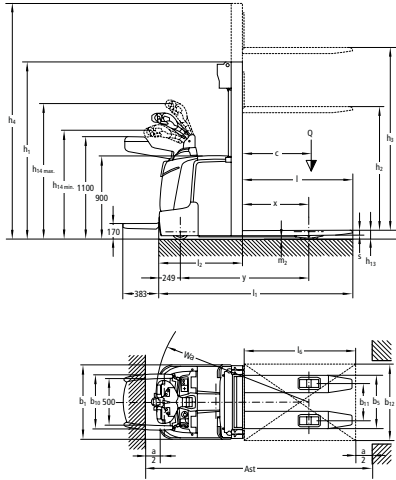
sprung stand-on platform relieves the strain on the operator. liftPLUS (optional) enables the ERC 214/216 to achieve a significantly higher lift speed when lifting the forks with a light load (up to 400 kg) in comparison with the production version.

The ERC can be optionally equipped with drivePLUS if there are requirements for increased performance. Travel speeds up to 9 km/h (8 km/h for ERC 220) provide a greater throughput in the warehouse.

Batteries with capacities of up to 375 Ah plus the option of lateral battery exchange for multishift operation (optional) ensure that the ERC can overcome even the most challenging conditions. A built-in charger (optional) allows the integrated battery to be easily and reliably charged at any mains socket.



ERC 212/214/216/220



Standard mast designs ERC 212/214/216/220													
	Lift h_3 (mm)	Lowered mast height ¹⁾ h_1 (mm)				Free lift h_2 (mm)				Extended mast height h_4 (mm)			
		ERC 212	ERC 214	ERC 216	ERC 220	ERC 212	ERC 214	ERC 216	ERC 220	ERC 212	ERC 214	ERC 216	ERC 220
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	-	-	
4400	-	-	2750	-	-	-	100	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	-	-	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	-	-
6000	-	2500	2500	-	-	1968	1968	-	-	6532	6532	-	

¹⁾ with 100 mm free lift

Technical data in line with VDI 2198

		Jungheinrich						
				ERC 212	ERC 214	ERC 216	ERC 220	
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	688 ⁵⁾				
	1.9	Wheelbase	y mm	1,336	1,357	1,357	1,357	
	Weights	2.1.1	Net weight incl. battery (see row 6.5)		kg	1,160	1,220	1,230
2.2		Axle loading, laden front/rear		kg	900 / 1,460	970 / 1,650	990 / 1,840	983 / 2,332
2.3		Axle loading, unladen front/rear		kg	840 / 320	880 / 340	880 / 350	924 / 392
Wheels / frame	3.1	Tyres		Vulkollan				
	3.2	Tyre size, front	mm	Ø 230 x 77				
	3.3	Tyre size, rear	mm	Ø 85 x 110 ⁴⁾	Ø 85 x 110 ⁴⁾	Ø 85 x 110 ⁴⁾	Ø 85 x 85	
	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
	3.6	Tread width, front	b ₁₀ mm	507				
	3.7	Tread width, rear	b ₁₁ mm	400				
Basic dimensions	4.2	Mast height (closed)		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
	4.9	Height of tiller in drive position min. / max.		h ₁₄ mm	1,158 / 1,414			
	4.15	Height, lowered		h ₁₃ mm	90			
	4.19	Overall length		l ₁ mm	2,046 ⁵⁾	2,067 ⁵⁾	2,067 ⁵⁾	2,067 ⁵⁾
	4.20	Length to face of forks		l ₂ mm	896 ⁵⁾	917 ⁵⁾	917 ⁵⁾	917 ⁵⁾
	4.21	Overall width		b ₁ /b ₂ mm	800	800	800	820
	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	30	30	30	20
	4.33	Aisle width for pallets 1000 x 1200 crossways		Ast mm	2,259 ²⁾	2,280 ²⁾	2,280 ²⁾	2,280 ²⁾
4.34	Aisle width for pallets 800 x 1200 lengthways		Ast mm	2,309 ¹⁾	2,330 ¹⁾	2,330 ¹⁾	2,330 ¹⁾	
4.35	Turning radius		W _a mm	1,597	1,618	1,618	1,618	
Performance data	5.1	Travel speed, laden/unladen		km/h	9 / 9 ³⁾	9 / 9 ³⁾	9 / 9 ³⁾	8 / 8 ³⁾
	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		%	10 / 16	9 / 16	8 / 16	6 / 16
	5.10	Service brake			regenerative			
Electrics	6.1	Drive motor, output S2 60 min.		kW	2.8			
	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			B 43535			
	6.4	Battery voltage/nominal capacity K5		V/Ah	24 / 375			
	6.5	Battery weight		kg	288			
	6.6	Energy consumption according to VDI cycle		kWh/h	0	0	0	1.45
	6.6	Energy consumption as per EN 16796		kWh/h	0.72	0.74	0.81	0
	CO ₂ -Equivalent as per EN 16796		kg/h	0.4	0.4	0.4		
6.7	Throughput		t/h	43	50	59	0	
6.8	Energy consumption at max. throughput		kWh/h	1.48	1.61	1.71	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)	68			

¹⁾ Diagonal as per VDI: + 138 mm

²⁾ Diagonal as per VDI: + 215 mm

³⁾ Other speed versions: 6.0/6.0 km/h (standard) and 7.0/7.0 km/h

⁴⁾ tandem Ø 85 x 85 mm

⁵⁾ With DZ mast: x - 42 mm; l₁ + 42 mm; l₂ + 42 mm

Benefit from the advantages



ERC ergonomic storage compartment



The ERC has a compact and user-friendly operator position



Easy to operate mains connector for built-in charger

'Intelligent' control and advanced drive technology

The ERC 212/214/216/220 trucks are equipped with a modern 3-phase AC drive motor, offering you greater performance while simultaneously 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 – maintenance-free drive motor.

Flexible options

Different models for a whole range of applications.

Ride-on mode:

- Model 1: Folding stand-on platform without side arms, travel speed 6 km/h.
- Model 2: Folding stand-on platform with side arms (optional), travel speed 7 km/h.
- Model 3: Folding stand-on platform with side arms and high drivePLUS speed (optional), travel speed 9 km/h (8 km/h with ERC 220)

Pedestrian mode:

- The stand-on platform and side arms can be folded in when used in confined spaces, the speed is 4.4 km/h.

Easy stacking and retrieval

Intuitive control of all lifting and lowering functions with the multifunction tiller arm. This allows the operator to concen-

trate fully on stacking and retrieving:

- Precise and gentle lifting of the load by speed-controlled hydraulic motor.
- Gentle depositing of loads using proportional hydraulics.
- Four-wheel concept for high stability.
- liftPLUS (optional): The ERC 214/216 trucks achieve a significantly higher lift speed (up to 400 kg) in comparison with the production version.

Robust design

The ERC is designed for high-throughput operation:

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

Comfortable and safe operation

- Fatigue-free work due to electric tiller steering.
- curveCONTROL automatically reduces the speed to a safe level when cornering.
- The sprung stand-on platform effectively removes strain on the operator's spine.
- Soft lined side arms (optional) ensure a comfortable posture when cornering.
- The low platform height ensures easy entry and exit.

Long operating times available with lead-acid battery

Battery capacities up to 375 Ah guarantee long operating times:

- Lateral battery exchange, e.g. for multi-shift environments (optional).

- Built-in charger (24 V/30 A) for wet cell batteries and maintenance-free
- batteries for easy charging at any 230-V mains socket (optional).
- High availability due to extremely short charging times and the option of boost charging due to innovative lithium-ion technology (up to 360 Ah, optional).

Fully informed at all times

The 2-inch display (optional) used as central display and adjustment instrument offers the 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.

Options

- Twin roller support wheel to reduce wear.
- Cold store version.
- Load guard.

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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