

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

LION
technology



ERC 212z/214z/216z/220z

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

The ERC 212z/214z/216z/220z electric pedestrian controlled trucks combine the manoeuvrability of a pedestrian stacker with the comfort and speed of a ride-on truck. The electronically controlled lift motor ensures quiet and gentle lifting or lowering of loads at the touch of a button. The 24-V 3-phase AC motor is particularly powerful. The optimum efficiency of this motor ensures powerful acceleration and outstanding speeds combined with low consumption levels.

The unique feature of this truck is its support arm lift: The additional ground clearance enables the operator to effortlessly overcome uneven floors, ramps, crossing plates or loading bridges. The capacity in low lift operation is 2.0 t. 2 pallets can also be transported simultaneously, doubling the speed of operation compared to single pallet transportation (optional).

With the ride-on option, the ERC also offers cost-effective

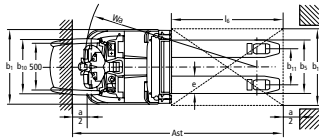
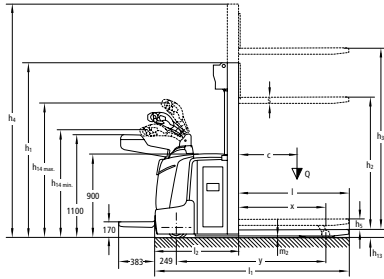
handling/transport of goods over longer distances. The sprung stand-on platform relieves the strain on the operator. liftPLUS (optional) enables the ERC 214z/216z trucks to achieve a significantly higher lift speed when lifting the forks (up to 400 kg) in comparison with the production version.

Electric steering also ensures fatigue-free steering of the ERC. curveCONTROL automatically reduces travel speed around bends for safety.

Batteries with capacities of up to 375 Ah plus the option of lateral battery exchange for multishift operation ensure that the ERC will not run out of power even when working in the most challenging conditions. A built-in charger (optional) guarantees easy and reliable battery charging at any standard 230-V mains socket.

JUNGHEINRICH

ERC 212z/214z/216z/220z



Standard mast designs ERC 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)			
		ERC 212z	ERC 214z	ERC 216z	ERC 220z	ERC 212z	ERC 214z	ERC 216z	ERC 220z	ERC 212z	ERC 214z	ERC 216z	ERC 220z
		Duplex ZT	2400	-	-	1750	-	-	-	100	-	-	-
	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	-	-	-	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⁾ ERC 212z/214z/216z: with 100 mm free lift

Technical data in line with VDI 2198

				Jungheinrich			
				ERC 212z	ERC 214z	ERC 216z	ERC 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
	1.5.1	Load capacity/load with mast lift	Q t	1.2	1.4	1.6	0
	1.5.2	Load capacity/load with support arm lift	Q t	2	2	2	0
	1.6	Load centre distance	c mm	600			
	1.8	Load distance	x mm	910 ³⁾⁵⁾			
1.9	Wheelbase	y mm	1,571 ⁵⁾	1,592 ³⁾	1,592 ³⁾	1,592 ³⁾	
Weights	2.1	Net weight		0	0	0	1,686
	2.1.1	Net weight incl. battery (see row 6.5)		1,260	1,320	1,320	0
	2.2	Axle loading, laden front/rear		1,190 / 1,270	1,260 / 1,460	1,300 / 1,620	1,414 / 1,989
	2.3	Axle loading, unladen front/rear		950 / 310	990 / 330	990 / 330	1,027 / 372
Wheels / frame	3.1	Tyres		Vulkollan			
	3.2	Tyre size, front		Ø 230 x 77			
	3.3	Tyre size, rear		Ø 85 x 95 ⁴⁾	Ø 85 x 95 ⁴⁾	Ø 85 x 95 ⁴⁾	Ø 85 x 75
	3.4	Additional wheels (dimensions)		Ø 180 x 75			
	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	385			
Basic dimensions	4.2	Mast height (closed)		1,950	1,950	1,950	2,100
	4.3	Free lift		100			
	4.4	Lift		2,900	2,900	2,800	2,800
	4.5	Extended mast height		3,375	3,375	3,325	3,465
	4.6	Initial lift		122			
	4.9	Height of tiller in drive position min. / max.		1,158 / 1,414			
	4.15	Height, lowered		90			
	4.19	Overall length		2,060 ⁵⁾	2,081 ⁵⁾	2,081 ⁵⁾	2,081
	4.20	Length to face of forks		910 ⁵⁾	931 ⁵⁾	931 ⁵⁾	931
	4.21	Overall width		800	800	800	800 / 800
	4.22	Fork dimensions		56 / 185 / 1,150	56 / 185 / 1,150	56 / 185 / 1,150	61 / 195 / 1,150
	4.25	Width across forks		570			
	4.32	Ground clearance, centre of wheelbase		20			
4.33	Aisle width for pallets 1000 x 1200 crossways		2,266 ²⁾	2,287 ²⁾	2,287 ²⁾	2,287 ²⁾	
4.34	Aisle width for pallets 800 x 1200 lengthways		2,316 ¹⁾	2,337 ¹⁾	2,337 ¹⁾	2,337 ¹⁾	
4.35	Turning radius		1,826 ³⁾	1,847 ³⁾	1,847 ³⁾	1,847 ³⁾	
Performance data	5.1	Travel speed, laden/unladen		9 / 9 ⁶⁾	9 / 9 ⁶⁾	9 / 9 ⁶⁾	8 / 8 ⁶⁾
	5.2	Lift speed, laden/unladen		0.13 / 0.22	0.16 / 0.25	0.15 / 0.25	0.1 / 0.18
	5.3	Lowering speed, laden/unladen		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.		2.8			
	6.2	Lift motor, output at S3 (on time) 11%		0	3	3	3
	6.2	Lift motor, output at S3 (on time) 12%		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		24 / 375			
	6.5	Battery weight		305			
	6.6	Energy consumption according to VDI cycle		0	0	0	1.45
	6.6	Energy consumption as per EN 16796		0.72	0.74	0.81	0
	6.6	CO- Equivalent as per EN 16796		0.4	0.4	0.4	
6.7	Throughput		43	50	59	0	
6.8	Energy consumption at max. throughput		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		68			

¹⁾ Diagonal as per VDI: + 204 mm

²⁾ Diagonal as per VDI: + 368 mm

³⁾ Lowered + 54 mm

⁴⁾ Tandem Ø 85 x 75 mm

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

⁶⁾ Without side arms; laden/unladen 6.0/6.0 km/h

Benefit from the advantages



ERC 216z with crossways pallet entry



Double-decker mode (optional)



Lateral battery exchange

Innovative 3-phase AC technology

Our 3-phase AC technology motors offer you high performance at the same time as reduced 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 9 km/h (8 km/h with ERC 220z).

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 concentrate 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 214z/216z trucks achieve a significantly higher lift speed (up to 400 kg) in comparison with the production version.

Versatile with support arm lift

Thanks to a 2nd lift mechanism, the support arm lift, the support arms can be raised independently of the forks. As a result, the ERC 212z/214z/216z/220z can overcome uneven ground, ramps and loading bridges with ease. Additional advantage: Double-decker transport of 2 pallets simultaneously (optional).

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

Large battery capacities ensure long operating times:

- MX battery compartment: 2 PzS 250 Ah.
- LX battery compartment: 3 PzS 375 Ah.

- The built-in charger (24 V/30 A) for wet cell batteries and maintenance-free batteries guarantees easy charging at any standard 230-V mains socket (optional).
- Standard lateral battery exchange offers excellent conditions for intensive, multishift operation.

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.
- A choice of 3 travel programs.
- Activation of the truck by EasyAccess via softkey, PIN code or optional transponder card.

Options

- Twin rollers for support wheel to reduce wear.
- Cold store version.
- Load guard.
- Wear protection of fork skids.

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.

Jungheinrich UK Ltd.

Head Office:
Sherbourne House
Sherbourne Drive
Tilbrook
Milton Keynes MK7 8HX
Telephone 01908 363100
Fax 01908 363180

info@jungheinrich.co.uk
www.jungheinrich.co.uk

The German production facilities in Norderstedt, Moosburg and Landsberg are certified. **ISO 9001**
ISO 14001

Jungheinrich fork lift trucks meet European safety requirements.



JUNGHEINRICH