Powerful and efficient
with maintenance-free
AC drive motor

Electronically controlled
hydraulic motor for sensitive
lifting and lowering

Electric tiller and Curve
Control ensure easy steering

Safe travelling position
with side arms (optional)

Additional support
arm lift gives increased
ground clearance

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

ERC 212z/214z/216z

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

The ERC 212z/214z/216z electric pedestrian stacker combines the manoeuvrability of a pedestrian stacker with the option to work comfortably and quickly as a stand-on truck. The electronically controlled lift motor ensures quiet and gentle lifting and lowering of loads at the touch of a button. It also features a powerful 24-volt AC drive motor. The optimum efficiency of this motor ensures powerful acceleration and high speeds combined with low consumption levels.
The support arm lift is a special feature: It ensures effortless operation on uneven floors and ramps with additional ground clearance – even with full load. Two pallets can also be transported at the same time, thus doubling throughput compared to transporting one pallet (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 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 standard version.
Depending on the application, an additional speed version is available (optional): The 9-km/h version: This model of the ERC comes with side arms which help keep the operator safe on the stand-on platform even when cornering. It is ideal for transport over longer distances.
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) allows easy and reliable battery charging at any standard 13 Amp plug socket.

JUNGHEINRICH

Machines. Ideas. Solutions.

ERC 212z/214z/216z
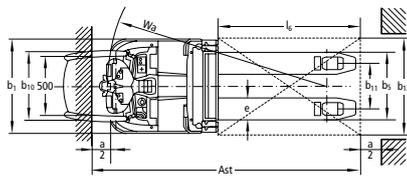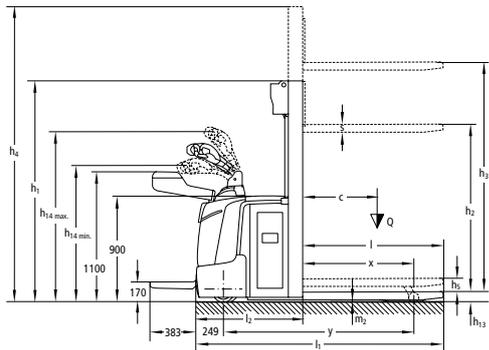
	Lift h_3 (mm)	Lowered mast height[1] h_1 (mm)			Free lift h_2 (mm)			Extended mast height h_4 (mm)		
Standard mast types ERC 212z/214z/216z										
		ERC 212z	ERC 214z	ERC 216z	ERC 212z	ERC 214z	ERC 216z	ERC 212z	ERC 214z	ERC 216z
Duplex ZT	2400	-	-	1750	-	-	100	-	-	2925
	2500	1750	1750	-	100	100	-	2975	2975	-
	2600	-	-	1850	-	-	100	-	-	3125
	2700	1850	1850	-	100	100	-	3175	3175	-
	2800	-	-	1950	-	-	100	-	-	3325
	2900	1950	1950	-	100	100	-	3375	3375	-
	3100	-	-	2100	-	-	100	-	-	3625
	3200	2100	2100	-	100	100	-	3675	3675	-
	3500	-	-	2300	-	-	100	-	-	4025
	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	-	1225	1225	-	2975	2975	-
	2800	-	-	1900	-	-	1375	-	-	3325
	2900	1900	1900	-	1425	1425	-	3375	3375	-
	3100	-	-	2050	-	-	1525	-	-	3625
	3200	2050	2050	-	1575	1575	-	3675	3675	-
	3500	-	-	2250	-	-	1725	-	-	4025
	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	3990	-	-	1830	-	-	1298	-	-	4522
	4090	-	1830	-	-	1341	-	-	4579	-
	4200	-	-	1900	-	-	1368	-	-	4732
	4300	1915	1900	-	1408	1411	-	4807	4789	-
	4590	-	-	2030	-	-	1498	-	-	5122
	4690	-	2030	-	-	1541	-	-	5179	-
	4700	2050	-	-	1543	-	-	5212	-	-
	5250	-	-	2250	-	-	1718	-	-	5782
	5350	-	2250	-	-	1761	-	-	5839	-

[1] with 100 mm free lift

Technical data in line with VDI 2198

						ERC 212z	ERC 214z	ERC 216z
Identification	1.1	Manufacturer (short form)				Jungheinrich		
	1.2	Model				**ERC 212z**	**ERC 214z**	**ERC 216z**
	1.3	Drive				Electrics		
	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		600		
	1.8	Load distance	x	mm		910[3)4)]		
	1.9	Wheelbase	y	mm		1571[4)]	1592[4)]	1592[4)]
Weights	2.1	Service weight		kg		1260	1320	1320
	2.2	Axle load, w. load, front / rear		kg		1190 / 1270	1260 / 1460	1300 / 1620
	2.3	Axle load, w.o. load, front / rear		kg		950 / 310	990 / 330	990 / 330
Wheels / chassis	3.1	Tyres				Vulkollan		
	3.2	Tyre size, at front		mm		Ø 230 x 77		
	3.3	Tyre size, at rear		mm		Ø 85 x 95[5)]		
	3.4	Additional wheels (dimensions)		mm		Ø 180 x 75		
	3.5	Wheels, number front/rear (x = driven wheels)				1x +1/2		
	3.6	Track width, front	b_{10}	mm		507		
	3.7	Track width, rear	b_{11}	mm		385		
Basic dimensions	4.2	Mast height (lowered)	h_1	mm		1950		
	4.3	Free lift	h_2	mm		100		
	4.4	Lift	h_3	mm		2900	2900	2800
	4.5	Extended mast height	h_4	mm		3375	3375	3325
	4.6	Initial lift	h_5	mm		122		
	4.9	Height of tiller in drive position min. / max.	h_{14}	mm		1158 / 1414		
	4.15	Lowered height	h_{13}	mm		90		
	4.19	Overall length	l_1	mm		2060[3)]	2081[3)]	2081[3)]
	4.20	Length incl. back of forks	l_2	mm		910[3)]	931[3)]	931[3)]
	4.21	Total width	b_1/b_2	mm		800		
	4.22	Fork dimensions	s/e/l	mm		56 / 185 / 1150		
	4.25	Width over forks	b_5	mm		570		
	4.32	Floor clearance centre wheelbase	m_2	mm		20		
	4.33	Aisle width for pallets 1000 × 1200 sideways	Ast	mm		2266[2)]	2287[2)]	2287[2)]
	4.34	Aisle width for pallets 800 × 1200 lengthways	Ast	mm		2316[1)]	2337[1)]	2337[1)]
	4.35	Turning radius	W_a	mm		1826[4)]	1847[4)]	1847[4)]
Performance data	5.1	Travel speed, w. / w.o. load		km/h		9 / 9[6)]		
	5.2	Lift speed, w. / w.o. load		m/s		0.13 / 0.22	0.16 / 0.25	0.15 / 0.25
	5.3	Lower speed, w. / w.o. load		m/s		0.43 / 0.37	0.37 / 0.34	0.37 / 0.34
	5.8	Max. gradeability, laden/unladen		%		10 / 16	9 / 16	8 / 16
	5.10	Service brake				generated		
Electrics	6.1	Drive motor rating S2 60 min.		kW		2.8		
	6.2	Lift motor, output at S3 (on time) 11 %		kW			3	3
	6.2	Lift motor, output at S3 (on time) 12 %		kW		2		
	6.3	Battery according to 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		305		
	6.6	Energy consumption according to VDI cycle		kWh/h		1.08	1.25	1.39
	6.7	Throughput efficiency		t/h				65
	6.8	Energy consumption at max. throughput		kWh/h				0.77
Misc.	8.1	Type of drive control				AC SpeedControl		
	8.4	Sound pressure level at operator's ear according to EN 12053		dB (A)		68		

[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)] Lowered + 54 mm
[5)] Tandem Ø 85 x 75 mm
[6)] Without side arms; with/without load 6.0/6.0 km/h

In accordance with VDI Guideline 2198 this specification sheet provides details of the standard truck only. Non-standard tyres, different masts, optional equipment, etc. may result in different values.

Benefit from the advantages

ERC 216z - pallet sideways entry

Double-decker mode (optional)

Sideways battery removal

Better performance simultaneously coupled with reduced operating costs:
- High level of efficiency with excellent energy management.
- Powerful acceleration.
- Rapid direction change.
- SpeedControl – roll-back protection on gradients.
- No carbon brushes - maintenance-free drive motor.

Flexible options
Two variants for a range of different applications:
Version 1 - folding stand-on platform without side arms.
- Travel speed of 6 km/h when stand-on platform is folded down.
- Travel speed of 4.4 km/h when stand-on platform is folded up.
Version 2 - folding stand-on platform with side arms (optional).
- 9 km/h travel speed is ideal for driving long distances, thus increasing throughput.

Easy stacking and retrieval
All lifting and lowering functions are comfortably controlled by the multi-functional tiller arm without having to reach forward. The lift motor is electronically controlled. It allows the forks to be positioned precisely when stacking or retrieving and ensures significantly reduced noise when lifting. Proportional hydraulics allow goods to be deposited precisely and gently. In confined spaces the stand-on platform and side arms can simply be folded in and the ERC can be used as a pedestrian truck. LiftPlus (optional) enables the ERC 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!

Versatile support arm lift
A second lifting mechanism is used to raise the support arms independently of the forks. This allows the ERC 212z/214z/216z to negotiate uneven floors, ramps, and loading docks effortlessly. Additional advantage: double-decker transport of two pallets simultaneously (optional).

Sturdy design
The ERC is designed for high-throughput operation:
- 8-mm steel chassis.
- Enclosed chassis perimeter.
- Solid mast with high residual capacities

Comfortable and safe operation
- The electric tiller steering is particularly precise and allows for easy steering and fatigue-free operation, even in confined spaces. Curve Control automatically reduces the speed when cornering to a safe level.
- The sprung stand-on platform accommodates even major surface unevenness, thus effectively removing strain on the operator's spine.
- Customised side arms (optional) ensure a comfortable posture when cornering.
- The low platform height ensures easy entry/exit.

Long operating times
Large battery capacities for long operating times:
- MX battery compartment: 2 PzS 250 Ah
- LX battery compartment: 3 PzS 375 Ah
- The built-in charger (24V/30A) for wet cell batteries and maintenance-free batteries guarantees easy charging at any standard 13 Amp mains socket (optional).
- Standard lateral battery exchange is best for intensive, multishift operation.

Additional equipment
- CanDis control.
- LiftPlus.
- Twin rollers for support wheel to reduce wear.
- CanCode access control.
- Cold store version.
- Load guard.
- Gentle lowering of the load.
- Wear protection of fork skids

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

Jungheinrich fork lift trucks meet European safety requirements. CE

T_ERC 212z/214z/214z/216z_082014_en_ZKW_000

JUNGHEINRICH
Machines. Ideas. Solutions.