

**Safe handling with tiller in upright position through crawl speed**

**Impulse control with SpeedControl**

**Sensitive lowering from the tiller through proportional hydraulics**

**Extremely flexible through support arm lift**

**High residual capacities through particularly robust construction**



## EJC Z14/Z16

### Electric pedestrian stacker with support arm lift (1400 kg and 1600 kg)

The Jungheinrich pedestrian stacker EJC Z14/Z16 is a professional with regard to stacking and retrieval. With its powerful 3 kW lift motor, it can stack heavy loads up to 5350 mm lift height (EJC Z14). The Jungheinrich proportional hydraulics ensure gentle lifting and lowering of the load via push button: whether jerk-free depositing, fast lifting and lowering or precise approach of the racking position – the operator always has it all safely “under control”.

The robust and rigid chassis made of 8 mm sheet steel, the stable 4-point bearing surface and the particularly torsion-resistant mast ensure high residual capacities.

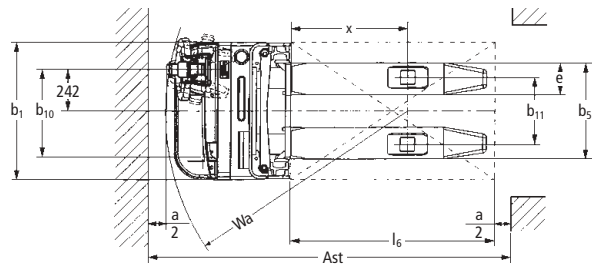
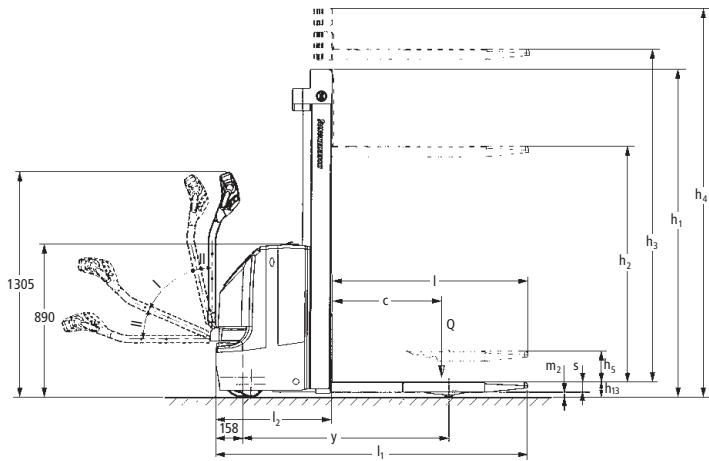
The special feature of support arm lift: effortless coping with uneven floors, ramps, transfer plates or loading ramps through additional ground clearance – even fully laden. Though independent homing in on support arm and mast lift, two pallets can be transported at the same time.

Apart from fast lifting, transporting loads is carried out comfortably with the EJC Z14/Z16 with its powerful 1.5 kW motor (EJC Z16). With or without load, the legal speed limit of 6 km/h for pedestrian operated trucks is thus quickly achieved.

Thanks to the patented Jungheinrich crawl speed button, the truck is also safely manoeuvrable with the tiller in the upright position. The low-mounted tiller ensures that the operator is always at a safe distance from the truck.

For particularly long operating times without battery change, the EJC Z14/Z16 can be fitted with battery capacities up to 375 Ah. A 30 A integrated charger (optional) facilitates battery charging at any 230 V mains socket.

# EJC Z14/Z16



Standard mast configurations (mm)								
Designation	Closed mast height $h_1^*$	Lift height $h_3$	Free lift $h_2$	Extended mast height $h_4$	Closed mast height $h_1^*$	Lift height $h_3$	Free lift $h_2$	Extended mast height $h_4$
	EJC Z14				EJC Z16			
Two-stage mast ZT	1750	2500	100	2980	1750	2400	100	2930
	1850	2700	100	3180	1850	2600	100	3130
	1950	2900	100	3380	1950	2800	100	3330
	2110	3200	100	3680	2100	3100	100	3630
	2300	3600	100	4080	2300	3500	100	4030
					2450	3800	100	4330
		2550	4100	100	4580	2550	4000	100
	2650	4300	100	4780	2650	4200	100	4730
Two-stage mast ZZ	1700	2500	1220	2980	1700	2400	1170	2930
	1900	2900	1420	3380	1900	2800	1370	3330
	2050	3200	1570	3680	2050	3100	1520	3630
	2250	3600	1770	4080	2250	3500	1720	4030
	2500	4100	2020	4580	2500	4000	1970	4530
	2600	4300	2120	4780	2600	4200	2070	4730
Three-stage mast DZ	1830	4090	1350	4570	1830	3990	1300	4520
	1900	4300	1420	4780	1900	4200	1370	4730
	2030	4700	1550	5180	2030	4600	1500	5130
	2250	5350**	1770	5830	2250	5250**	1720	5780

\* with 100 mm free lift  
 \*\* only EJC Z long

# Technical Data in line with VDI 2198 as at: 09/2005

Identification	1.1	Manufacturer (abbreviation)	Jungheinrich	Jungheinrich	1.1
	1.2	Manufacturer's type designation	<b>EJC Z14</b>	<b>EJC Z16</b>	1.2
	1.3	Drive (electric – battery or mains, diesel, petrol, fuel gas, manual)v	electric	electric	1.3
	1.4	Type of operation (hand, pedestrian, standing, seated, order picker)	pedestrian	pedestrian	1.4
	1.5	Load capacity/rated load Q (t)	1.4	1.6	1.5
	1.6	Load centre distance c (mm)	600	600	1.6
	1.8	Load distance, centre of drive axle to fork x (mm)	897/837 <sup>2)</sup>	897/837 <sup>2)</sup>	1.8
	1.9	Wheelbase y (mm)	1457/1597 <sup>1)</sup>	1457/1597 <sup>1)</sup>	1.9
	Weights	2.1	Service weight incl. battery (see line 6.5) kg	1050	1060
2.2		Axle loading, laden front/rear kg	1040/1410	1090/1570	2.2
2.3		Axle loading, unladen front/rear kg	760/290	770/290	2.3
Wheels, Chassis	3.1	Tyres (solid rubber, superelastic, pneumatic, polyurethane)	PU	PU	3.1
	3.2	Tyre size, front	230 x 70	230 x 70	3.2
	3.3	Tyre size, rear	85 x 95	85 x 95	3.3
	3.4	Additional wheels (dimensions)	140 x 54	140 x 54	3.4
	3.5	Wheels, number front/rear (x = driven wheels)	1x + 1/2	1x + 1/2	3.5
	3.6	Track width, front b <sub>10</sub> (mm)	505	505	3.6
	3.7	Track width, rear b <sub>11</sub> (mm)	375	375	3.7
Basic Dimensions	4.2	Lowered mast height h <sub>1</sub> (mm)	1950	1950	4.2
	4.3	Free lift h <sub>2</sub> (mm)	100	100	4.3
	4.4	Lift height h <sub>3</sub> (mm)	2900	2800	4.4
	4.5	Extended mast height h <sub>4</sub> (mm)	3380	3330	4.5
	4.6	Initial lift h <sub>5</sub> (mm)	122	122	4.6
	4.9	Height of tiller in drive position min./max. h <sub>14</sub> (mm)	850/1305	850/1305	4.9
	4.15	Lowered height h <sub>13</sub> (mm)	90	90	4.15
	4.19	Overall length l <sub>1</sub> (mm)	1868/2008 <sup>3)</sup>	1868/2008 <sup>3)</sup>	4.19
	4.20	Length to face of forks l <sub>2</sub> (mm)	718/858 <sup>3)</sup>	718/858 <sup>3)</sup>	4.20
	4.21	Overall width b <sub>1</sub> /b <sub>2</sub> (mm)	830/-	830/-	4.21
	4.22	Fork dimensions s/e/l (mm)	56/185/1150	61/185/1150	4.22
	4.25	Width over forks b <sub>5</sub> (mm)	560	560	4.25
	4.32	Ground clearance, centre of wheelbase m <sub>2</sub> (mm)	20	20	4.32
	4.33	Aisle width for pallets 1000x1200 crossways Ast (mm)	2417	2417	4.33
	4.34	Aisle width for pallets 800x1200 lengthways Ast (mm)	2309	2309	4.34
4.35	Turning radius Wa (mm)	1608	1608	4.35	
Performance Data	5.1	Travel speed, laden/unladen km/h	6.0/6.0	6.0/6.0	5.1
	5.2	Lift speed, laden/unladen m/s	0.15/0.23	0.14/0.23	5.2
	5.3	Lowering speed, laden/unladen m/s	0.40/0.40	0.40/0.40	5.3
	5.8	Max. gradient performance, laden/unladen %	8/16	7/16	5.8
	5.10	Service brake	electro-magnetic	electro-magnetic	5.10
E-Motor	6.1	Drive motor rating S <sub>2</sub> 60 min. kW	1.3	1.5	6.1
	6.2	Lift motor rating at S <sub>3</sub> 15 % kW	3	3	6.2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	(no) 2 EPzB	(no) 2 EPzB	6.3
	6.4	Battery voltage, nominal capacity K <sub>5</sub> V/Ah	24/200	24/200	6.4
	6.5	Battery weight kg	185	185	6.5
Others	8.1	Type of drive control	impulse control	impulse control	8.1
	8.4	Sound level at driver's ear according to EN 12 053 dB(A)	65	65	8.4
1) Load section raised – 60 mm 2) DZ – 38 mm (EJC Z16: DZ – 43 mm) 3) DZ + 38 mm (EJC Z16: DZ + 43 mm)					

This specification sheet according to VDI regulation 2198 only provides technical values for the standard truck. Non-standard tyres, different masts, additional equipment, etc. could produce other values. Right reserved for technical changes and improvements.

# Make use of the advantages



Travel over loading ramp with EJC Z

## High performance efficiency in every situation

The EJC Z14/Z16 is designed for the most intensive applications. Its powerful 3 kW lift motor and 1.5 kW drive motor ensure highest throughput efficiency. Other advantages:

- 8 mm strong steel chassis.
- Specially torsion-resistant mast with high residual capacities.
- Lift heights up to 5350 mm (EJC Z14).

## "Intelligent" controls and progressive drive technology

Shunt wound drive technology and SpeedControl ensure safe travel characteristics with adjustment opportunities for every application:

- The travel speed set on the travel switch is adhered to in every travel situation – also on upward and downward gradients.
- The EJC Z is automatically braked during unintentional rolling on ramps.
- Individually adjustable travel parameters facilitate optimum adjustment to every application.

- Energy reclamation through regenerative braking on reduction of travel speed.
- 2-year warranty on drive motor.

## Comfortable stacking and retrieval

Remarkable safety for the operator with proportional hydraulics. All lifting and lowering functions can be sensitively controlled with the multi-function tiller head without reaching round.

- Panorama mast with extra wide window and slim mast profiles for excellent visibility.
- Automatic travel speed reduction during lifting above approx. 1800 mm lift height when fitted with large masts.
- Long tiller ensures safe distance between operator and truck as well as lower steering forces.
- Rounded and enclosed truck contours.
- 4-wheel concept for excellent stability.
- The support arms lower automatically from 1400 mm stacking-in height.

## Effortless manoeuvring

Space-saving through crawl speed button: to reduce the turning radius, the separate



Stacking with EJC Z14



Doubledeck transport of two pallets

tiller switch also facilitates manoeuvring with the tiller in upright position.

## Versatile through support arm lift

Support arm lift independent of the forks through a second lift mechanism – the support arm lift. Thus the EJC Z14 is able to cope effortlessly with uneven floors, ramps or loading ramps. Support arm and mast lift work independently from each other. The advantage: doubledeck transport of two pallets at the same time.

## Long operating times

Battery capacities up to 375 Ah ensure long operating times.

- Short version: 2 PzB 200 Ah.
- Long version: 3 PzS 270/345/375 Ah.
- Effortless charging at any mains socket through integrated 24 V/30 Ah charger (optional).

## Additional equipment

- Cold store version.
- Vertical load guard.
- Truck activation via PIN entry.

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