



## **Electric pedestrian stacker** **EJC 212b-220b**

Lift height: 2500-6000 mm / Load capacity: 1200-2000 kg

# EJC 212b-220b



# EJC 212b-220b

<b>EJC 212b</b>	<b>Lift (h3)</b>	<b>Retracted mast height (h1)</b>	<b>Free lift (h2)</b>	<b>Extended mast height (h4)</b>
Duplex mast ZT	2500 mm	1750 mm	100 mm	3070 mm
	2700 mm	1850 mm	100 mm	3270 mm
	2900 mm	1950 mm	100 mm	3470 mm
	3200 mm	2100 mm	100 mm	3770 mm
	3600 mm	2300 mm	100 mm	4170 mm
Duplex mast ZZ	2500 mm	1700 mm	1225 mm	3070 mm
	2900 mm	1900 mm	1425 mm	3470 mm
	3200 mm	2050 mm	1575 mm	3770 mm
	3600 mm	2250 mm	1775 mm	4170 mm
Triplex mast DZ	4090 mm	1845 mm	1250 mm	4690 mm
	4300 mm	1915 mm	1430 mm	4870 mm
	4700 mm	2050 mm	1565 mm	5275 mm
<b>EJC 214b</b>	<b>Lift (h3)</b>	<b>Retracted mast height (h1)</b>	<b>Free lift (h2)</b>	<b>Extended mast height (h4)</b>
Duplex mast ZT	2500 mm	1750 mm	100 mm	3070 mm
	2700 mm	1850 mm	100 mm	3270 mm
	2900 mm	1950 mm	100 mm	3470 mm
	3200 mm	2100 mm	100 mm	3770 mm
	3600 mm	2300 mm	100 mm	4170 mm
	4100 mm	2550 mm	100 mm	4670 mm
	4300 mm	2650 mm	100 mm	4870 mm
	4500 mm	2750 mm	100 mm	5070 mm
Duplex mast ZZ	2500 mm	1700 mm	1130 mm	3070 mm
	2900 mm	1900 mm	1330 mm	3470 mm
	3200 mm	2050 mm	1480 mm	3770 mm
	3600 mm	2250 mm	1680 mm	4170 mm
	4100 mm	2500 mm	1930 mm	4670 mm
	4300 mm	2600 mm	2030 mm	4870 mm
Triplex mast DZ	4090 mm	1830 mm	1260 mm	4660 mm
	4300 mm	1900 mm	1330 mm	4870 mm
	4690 mm	2030 mm	1460 mm	5260 mm
	5350 mm	2250 mm	1680 mm	5920 mm
<b>EJC 214b, EJC 216b</b>	<b>Lift (h3)</b>	<b>Retracted mast height (h1)</b>	<b>Free lift (h2)</b>	<b>Extended mast height (h4)</b>
Triplex mast DZ	6000 mm	2500 mm	1930 mm	6570 mm
<b>EJC 216b</b>	<b>Lift (h3)</b>	<b>Retracted mast height (h1)</b>	<b>Free lift (h2)</b>	<b>Extended mast height (h4)</b>
Duplex mast ZT	2400 mm	1750 mm	100 mm	2970 mm
	2600 mm	1850 mm	100 mm	3170 mm
	2800 mm	1950 mm	100 mm	3370 mm
	3100 mm	2100 mm	100 mm	3670 mm
	3500 mm	2300 mm	100 mm	4070 mm
	3800 mm	2450 mm	100 mm	4370 mm
	4000 mm	2550 mm	100 mm	4570 mm
	4200 mm	2650 mm	100 mm	4770 mm
	4400 mm	2750 mm	100 mm	4970 mm
Duplex mast ZZ	2400 mm	1700 mm	1130 mm	2970 mm
	2800 mm	1900 mm	1330 mm	3370 mm

	3100 mm	2050 mm	1480 mm	3670 mm
	3500 mm	2250 mm	1680 mm	4070 mm
	4000 mm	2500 mm	1930 mm	4570 mm
	4200 mm	2600 mm	2030 mm	4770 mm
<b>Triplex mast DZ</b>	<b>3990 mm</b>	<b>1830 mm</b>	<b>1260 mm</b>	<b>4560 mm</b>
	4200 mm	1900 mm	1330 mm	4770 mm
	4590 mm	2030 mm	1460 mm	5160 mm
	5250 mm	2250 mm	1680 mm	5820 mm
<b>EJC 220b</b>	<b>Lift (h3)</b>	<b>Retracted mast height (h1)</b>	<b>Free lift (h2)</b>	<b>Extended mast height (h4)</b>
<b>Duplex mast ZT</b>	<b>2540 mm</b>	<b>1950 mm</b>	<b>100 mm</b>	<b>3195 mm</b>
	2840 mm	2100 mm	100 mm	3495 mm
	3540 mm	2450 mm	100 mm	4195 mm
<b>Duplex mast ZZ</b>	<b>2540 mm</b>	<b>1900 mm</b>	<b>1245 mm</b>	<b>3195 mm</b>
	2840 mm	2050 mm	1395 mm	3495 mm
	3540 mm	2400 mm	1745 mm	4195 mm
<b>Triplex mast DZ</b>	<b>3750 mm</b>	<b>1900 mm</b>	<b>1218 mm</b>	<b>4432 mm</b>
	4200 mm	2050 mm	1368 mm	4882 mm
	4800 mm	2250 mm	1568 mm	5482 mm

# VDI table

Stand-on: 12/2024

Characteristic	Item	Description	Unit	Jungheinrich			
				EJC 212b	EJC 214b	EJC 216b	EJC 220b
Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich			
	1.2	Manufacturer's type designation		EJC 212b	EJC 214b	EJC 216b	EJC 220b
	1.3	Drive		Electric			
	1.4	Operation		Pedestrian			
	1.5	Load capacity/load	Q kg	1200	1400	1600	2000
	1.6	Load centre distance	c mm	600			
	1.8	Load distance, centre of drive axle to fork	x mm	703	668		
	1.9	Wheelbase	y mm	1347	1409		
	Weights	2.1.1	Service weight (incl. battery)	kg	1065	1146	
2.2		Axle load laden front/rear	kg	800 / 1465	822 / 1724	828 / 1918	860 / 2320
2.3		Axle load unladen front/rear	kg	730 / 335	753 / 393		770 / 410
Wheels/suspension system	3.1	Tyres		Polyurethane (PU)			
	3.2	Tyre size, front		Ø 230 x 70			
	3.3	Tyre size, rear		Ø 85 x 75			
	3.4	Additional wheels		Ø 140 x 57			
	3.5	Wheels, number front/back (x=driven)		1x + 1 / 4			
	3.6	Tread width, front	b10 mm	507			
	3.7	Tread width, rear	b11 mm	1000			
Basic dimensions	4.2	Retracted mast height (h1)	h1 mm	1950			2100
	4.3	Free lift (h2)	h2 mm	100			
	4.4	Lift (h3)	h3 mm	2900	2800	2840	
	4.5	Extended mast height (h4)	h4 mm	3470	3370	3495	
	4.9	Height of tiller handle in drive position min./max.	h14 mm	850 / 1305			
	4.19	Overall length	l1 mm	1963	2060		
	4.20	Length including fork shank	l2 mm	813	910		
	4.21.1	Overall width	b1 mm	1100			
	4.22	Fork dimensions	s/ e/l mm	40 x 100 x 1150			40 x 120 x 1150
	4.24	Fork carriage width	b3 mm	800			
	4.32	Ground clearance centre of wheelbase	m2 mm	50			40
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	2240	2302		
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2290	2352		
	4.35	Turning radius	Wa mm	1558	1620		
Performance data	5.1	Travel speed laden/unladen	km/h	6 / 6			
	5.2	Lift speed laden/unladen	m/s	0.2 / 0.4	0.16 / 0.3	0.15 / 0.3	0.11 / 0.34
	5.3	Lowering speed laden/unladen	m/s	0.45 / 0.35			0.5 / 0.35
	5.8	Max. gradeability laden/unladen	%	8 / 16	7 / 16		5 / 16
E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	1.6			
	6.2	Lift motor, performance with S3	kW	3			
	6.3	Battery according to DIN 43531/35/36		no			
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 300	24 / 375		
	6.5	Battery weight	kg	250	288		
	6.6	Energy consumption according to VDI cycle	kWh/h	1.05	1.18	1.32	0
	6.6.1	Energy consumption according to EN cycle	kWh/h	0.77	0.83	0.91	1.08
6.6.2	CO2 equivalent as per EN 16796	kg/h	0.4		0.5	0.6	

Other	8.1	Type of drive control		AC
	10.7	Sound level as per EN12053, operator's ear	dB (A)	63
<p>- This data sheet according to VDI guideline 2198 only states the technical values of the standard truck. Different tyres, other masts, additional equipment etc. may result in different values.</p>				

The values in the table apply for the battery compartment M-VBE (EJC 212b) / L-VBE (EJC 214b / 216b / 220b), ZT2800 / 2840 / 2900 mm mast, fork length 1,150 mm, tread width 1,000 mm.

- VDI no. 1.8 with EJC 212b / 214b / 216b: with DZ mast: x - 3 mm.
- VDI no. 1.8 with EJC 220b: with DZ mast: x - 32 mm.
- VDI no. 1.9 with EJC 214b / 216b / 220b: with M Li-ion battery compartment: y - 72 mm.
- VDI no. 3.7: depending on the set tread width: 1,000 mm / 1,170 mm / 1,370 mm.
- VDI no. 4.19 with EJC 212b / 214b / 216b: with DZ mast: l1 + 3 mm.
- VDI no. 4.19 with EJC 220b: with DZ mast: l1 + 32 mm.
- VDI no. 4.19 with EJC 214b / 216b / 220b: with M Li-ion battery compartment: l1 - 72 mm.
- VDI no. 4.20 with EJC 212b / 214b / 216b: with DZ mast: l2 + 3 mm.
- VDI no. 4.20 with EJC 220b: with DZ mast: l2 + 32 mm.
- VDI no. 4.20 with EJC 214b / 216b / 220b: with M Li-ion battery compartment: l2 - 72 mm.
- VDI no. 4.21: depending on the set tread width: 1,100 mm / 1,270 mm / 1,470 mm.
- VDI no. 4.24: optional: 975 mm available.
- VDI no. 4.34.1: diagonal as per VDI: aisle width + 203 mm / + 203 mm / + 259 mm (depending on tread width).
- VDI no. 4.34.1 with EJC 212b / 214b / 216b: with DZ mast: aisle width + 3 mm.
- VDI no. 4.34.1 with EJC 220b: with DZ mast: aisle width + 32 mm.
- VDI no. 4.34.1 with EJC 214b / 216b / 220b: with M Li-ion battery compartment: aisle width - 72 mm.
- VDI no. 4.34.2: diagonal as per VDI: aisle width + 133 mm / + 133 mm / + 209 mm (depending on tread width).
- VDI no. 4.34.2 with EJC 212b / 214b / 216b: with DZ mast: aisle width + 3 mm.
- VDI no. 4.34.2 with EJC 220b: with DZ mast: aisle width + 32 mm.
- VDI no. 4.34.2 with EJC 214b / 216b / 220b: with M Li-ion battery compartment: aisle width - 72 mm.
- VDI no. 4.35 with EJC 214b / 216b / 220b: with M Li-ion battery compartment: Wa - 72 mm.
- VDI no. 5.3: with ZZ / DZ mast: the lowering speed in free lift is below the specified values.

The German production facilities in  
Norderstedt, Moosburg and Landsberg  
are certified as well as our Genuine Parts  
Center in Kaltenkirchen. ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements. 

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