



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

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

EJC 212b-220b



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VDI table

Stand-on: 07/2024

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	total length	l1 mm	1963	2060		
	4.20	Length including fork shank	l2 mm	813	910		
	4.21.1	total 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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