



Electric pedestrian stacker **EJC 212-230**

Lift height: 2500-6000 mm / Load capacity: 1200-3000 kg

EJC 212-230

VDI table

Stand-on: 07/2024

Characteristic	Item	Description	Unit	Jungheinrich					
				EJC 212	EJC 214	EJC 216	EJC 220	EJC 230	
Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich					
	1.2	Manufacturer's type designation		EJC 212	EJC 214	EJC 216	EJC 220	EJC 230	
	1.3	Drive		Electric					
	1.4	Operation		Pedestrian					
	1.5	Load capacity/load	Q kg	1200	1400	1600	2000	3000	
	1.6	Load centre distance	c mm	600					
	1.8	Load distance, centre of drive axle to fork	x mm	689	668			735	
	1.9	Wheelbase	y mm	1196	1264		1336	1570	
	Weights	2.1.1	Service weight (incl. battery)	kg	880	1039	1044	1207	1952
2.2		Axle load laden front/rear	kg	660 / 1420	794 / 1645	814 / 1830	878 / 2329	1409 / 3523	
2.3		Axle load unladen front/rear	kg	590 / 290	721 / 318	724 / 320	805 / 402	1259 / 693	
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 110		Ø 85 x 85	Ø 85 x 110		
	3.4	Additional wheels		Ø 140 x 54					
	3.5	Wheels, number front/back (x=driven)		1x + 1 / 2		1x + 1 / 4			
	3.6	Tread width, front	b10 mm	507					
	3.7	Tread width, rear	b11 mm	400			370		
Basic dimensions	4.2	Retracted mast height (h1)	h1 mm	1950			2100	2075	
	4.3	Free lift (h2)	h2 mm	100					
	4.4	Lift (h3)	h3 mm	2900	2800	2840	2800		
	4.5	Extended mast height (h4)	h4 mm	3375	3325	3495	3558		
	4.9	Height of tiller handle in drive position min./max.	h14 mm	850 / 1305					
	4.15	Height, lowered	h13 mm	90			95		
	4.19	total length	l1 mm	1827	1916	1988	2129		
	4.20	Length including fork shank	l2 mm	677	766	838	979		
	4.21.1	total width	b1 mm	800					
	4.22	Fork dimensions	s/ e/l mm	56 x 185 x 1150				85 x 210 x 1150	
	4.23	Fork carriage connection class		2A			2B		
	4.25	Width across forks	b5 mm	570			580		
	4.32	Ground clearance centre of wheelbase	m2 mm	28	25	18	20		
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	2068	2178	2250	2581		
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2118	2228	2300	2574		
4.35	Turning radius	Wa mm	1407	1496	1568	1780			
Performance data	5.1	Travel speed laden/unladen	km/h	6 / 6				5.5 / 5.5	
	5.2	Lift speed laden/unladen	m/s	0.2 / 0.4	0.16 / 0.3	0.15 / 0.3	0.11 / 0.34	0.07 / 0.15	
	5.3	Lowering speed laden/unladen	m/s	0.45 / 0.35			0.5 / 0.35	0.25 / 0.25	
	5.8	Max. gradeability laden/unladen	%	8 / 16		7 / 16	5 / 16	2 / 14	
E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	1	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 / 200	24 / 300		24 / 375		
	6.5	Battery weight	kg	185	243		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	0.92	
6.6.2	CO2 equivalent as per EN 16796	kg/h	0.4		0.5	0.6	0.5		

Other	8.1	Type of drive control		AC	
	10.7	Sound level as per EN12053, operator's ear	dB (A)	63	70
<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 battery compartment S-VBE (EJC 212), M-VBE (EJC 214 / 216), L-VBE (EJC 220 / 230), mast ZT2800 / 2840 / 2900 mm.

- VDI no. 1.8 with EJC 212 / 214 / 216: with DZ mast: x - 42 mm.
- VDI no. 1.8 with EJC 220: with L-VBE or L-LBE battery compartment and DZ mast: x - 1 mm, M Li-ion and DZ mast: x - 71 mm.
- VDI no. 1.9 with EJC 212: with battery compartment M-VBE or M Li-ion: y + 68 mm, L-VBE or L-LBE: y + 140 mm.
- VDI no. 1.9 with EJC 214 / 216: with M Li-ion battery compartment: y + 0 mm, L-VBE or L-LBE: y + 72 mm.
- VDI no. 1.9 with EJC 220: with L-VBE or L-LBE battery compartment and DZ mast: y + 70 mm, M Li-ion: y - 72 mm.
- VDI no. 3.3 with EJC 212 / 214 / 216: tandem: Ø 85 x 85 mm.
- VDI no. 4.19 with EJC 212: with DZ mast: l1 + 42 mm; with M-VBE or M Li-ion battery compartment: l1 + 68 mm, L-VBE or L-LBE: l1 + 140 mm.
- VDI no. 4.19 with EJC 214 / 216: with DZ mast: l1 + 42 mm; with M Li-ion battery compartment: l1 + 0 mm, L-VBE or L-LBE: l1 + 72 mm.
- VDI no. 4.19 with EJC 220: with DZ mast: l1 + 71 mm; with battery compartment M Li-ion: l1 - 72 mm.
- VDI no. 4.20 with EJC 212: with DZ mast: l2 + 42 mm; with M-VBE or M Li-ion battery compartment: l2 + 68 mm, L-VBE or L-LBE: l2 + 140 mm.
- VDI no. 4.20 with EJC 214 / 216: with DZ mast: l2 + 42 mm; with M Li-ion battery compartment: l2 + 0 mm, L-VBE or L-LBE: l2 + 72 mm.
- VDI no. 4.20 with EJC 220: with DZ mast: l2 + 71 mm; with battery compartment M Li-ion: l2 - 72 mm.
- VDI no. 4.34.1 with EJC 212: diagonal as per VDI: aisle width + 215 mm; with M-VBE or M Li-ion battery compartment: aisle width + 68 mm, L-VBE or L-LBE: aisle width + 140 mm; with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.1 with EJC 214 / 216: diagonal as per VDI: aisle width + 215 mm; with M Li-ion battery compartment: aisle width + 0 mm, L-VBE or L-LBE: aisle width + 72 mm; with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.1 with EJC 220: diagonal as per VDI: aisle width + 215 mm; with DZ mast: aisle width + 71 mm; with M Li-ion battery compartment: aisle width - 72 mm.
- VDI no. 4.34.1 with EJC 230: diagonal as per VDI: aisle width + 221 mm.
- VDI no. 4.34.2 with EJC 212: diagonal as per VDI: aisle width + 138 mm; with M-VBE or M Li-ion battery compartment: aisle width + 68 mm, L-VBE or L-LBE: aisle width + 140 mm; with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.2 with EJC 214 / 216: diagonal as per VDI: aisle width + 138 mm; with M Li-ion battery compartment: aisle width + 0 mm, L-VBE or L-LBE: aisle width + 72 mm; with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.2 with EJC 220: diagonal as per VDI: aisle width + 138 mm; with DZ mast: aisle width + 71 mm; with M Li-ion battery compartment: aisle width - 72 mm.
- VDI no. 4.34.2 with EJC 230: diagonal as per VDI: aisle width + 240 mm.
- VDI no. 4.35 with EJC 212: with battery compartment M-VBE or M Li-ion: Wa + 68 mm, L-VBE or L-LBE: Wa + 140 mm.
- VDI no. 4.35 with EJC 214 / 216: with M Li-ion battery compartment: Wa + 0 mm, L-VBE or L-LBE: Wa + 72 mm.
- VDI no. 4.35 with EJC 220: with L-VBE or L-LBE battery compartment and DZ mast: Wa + 70 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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