



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

Lift height: 2400-6000 mm / Load capacity: 1200-2000 kg

ERC 212b-220b



Maßzeichnung ERC 2b

ERC 212b-220b

ERC 212b	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
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
ERC 214b	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
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
ERC 214b, ERC 216b	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Triplex mast DZ	6000 mm	2500 mm	1930 mm	6570 mm
ERC 216b	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
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
Triplex mast DZ	3990 mm	1830 mm	1260 mm	4560 mm
	4200 mm	1900 mm	1330 mm	4770 mm
	4590 mm	2030 mm	1460 mm	5160 mm
	5250 mm	2250 mm	1680 mm	5820 mm
ERC 220b	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)

Duplex mast ZT	2540 mm	1950 mm	100 mm	3195 mm
	2840 mm	2100 mm	100 mm	3495 mm
	3540 mm	2450 mm	100 mm	4195 mm
Duplex mast ZZ	2540 mm	1900 mm	1245 mm	3195 mm
	2840 mm	2050 mm	1395 mm	3495 mm
	3540 mm	2400 mm	1745 mm	4195 mm
Triplex mast DZ	3750 mm	1900 mm	1218 mm	4432 mm
	4200 mm	2050 mm	1368 mm	4882 mm
	4800 mm	2250 mm	1568 mm	5482 mm

VDI table

Kennzeichen	1.1	Hersteller (Kurzbezeichnung)		Jungheinrich			
	1.2	Typzeichen des Herstellers		ERC 212b	ERC 214b	ERC 216b	ERC 220b
	1.3	Antrieb		electric			
	1.4	Bedienung		Pedestrian			
	1.5	Load capacity/load	Q kg	1200	1400	1600	2000
	1.6	Lastschwerpunktabstand	c mm	600			
	1.8	Lastabstand	x mm	688	668		
	1.9	Radstand	y mm	1339	1411		
	Gewichte	2.1.1	Eigengewicht (inkl. Batterie)	kg	1170	1215	1250
2.2		Achslast mit Last vorn/hinten	kg	900 / 1470	920 / 1730	920 / 1930	983 / 2332
2.3		Achslast ohne Last vorn/hinten	kg	830 / 340	850 / 400		906 / 410
Räder/Fahrwerk	3.1	Bereifung		Polyurethane (PU)			
	3.2	Reifengröße, vorn		Ø 230 x 77			
	3.3	Reifengröße, hinten		Ø 85 x 75			
	3.4	Zusatzräder		Ø 140 x 54			
	3.5	Wheels, number front/back (x=driven)		1x +1/4			
	3.6	Spurweite, vorn	b10 mm	515			
	3.7	Spurweite, hinten	b11 mm	1000			
Grundabmessungen	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	Höhe Deichselgriff in Fahrstellung min./max.	h14 mm	1170 / 1390			
	4.19	Gesamtlänge	l1 mm	2030	2123		
	4.20	Länge einschließlich Gabelrücken	l2 mm	880	973		
	4.21.1	Gesamtbreite	b1 mm	1100			
	4.22	Fork dimensions	s/ e/l mm	40 x 100 x 1150			40 x 120 x 1150
	4.23	Fork carriage connection class		2A			2B
	4.24	Gabelträgerbreite	b3 mm	800			
	4.32	Bodenfreiheit Mitte Radstand	m2 mm	50			40
	4.34.1	Arbeitsgangbreite (Palette 1000x1200 quer)	Ast mm	2252	2322		
	4.34.2	Arbeitsgangbreite (Palette 800x1200 längs)	Ast mm	2302	2372		
	4.35	Wenderadius	Wa mm	1570	1640		

Leistungsdaten	5.1	Fahrgeschwindigkeit mit/ohne Last (Efficiency drivePLUS)	km/h	6 / 6 9 / 11			6 / 6 8 / 10
	5.2	Hubgeschwindigkeit mit/ohne Last	m/s	0.2 / 0.4	0.16 / 0.3	0.15 / 0.3	0.11 / 0.34
	5.3	Senkgeschwindigkeit mit/ohne Last	m/s	0.45 / 0.35			0.5 / 0.35
	5.8	Max. Steigfähigkeit mit/ohne Last (Efficiency drivePLUS)	%	10 / 16 10 / 20	9 / 16 10 / 20	8 / 16 10 / 20	5 / 16 6 / 20
	5.10	Betriebsbremse		generative			
E-Motor/Elektronik	6.1	Fahrmotor, Leistung S2 60 min (Efficiency drivePLUS)	kW	2.8 3.2			
	6.2	Hubmotor, Leistung bei S3	kW	3			
	6.3	Batterie nach DIN 43531/35/36		DIN 43535 B			
	6.4	Batteriespannung/Nennkapazität	V / Ah	24 / 300	24 / 375		
	6.5	Batteriegewicht	kg	238	273		
	6.6	Energieverbrauch nach VDI-Zyklus	kWh/h	-			1.45
	6.6.1	Energieverbrauch nach EN-Zyklus (Efficiency PLUS)	kWh/h	0.63 0.64	0.81 0.74	0.86 0.83	1.07 -
	6.6.2	CO2 Äquivalent nach EN16796 (Efficiency PLUS)	kg/h	0.3 0.3	0.4 0.4	0.5 0.4	0.6 -
	6.7	Umschlagleistung (Efficiency PLUS)	t/h	56 57	64 65	71 73	85 -
	6.8.1	Energieverbrauch bei max. Umschlagleistung (Efficiency PLUS)	kWh/h	1.63 1.65	1.65 1.64	1.67 1.65	2.13 -
Sonstiges	8.1	Art der Fahrsteuerung		AC			
	10.7	Schalldruckpegel nach EN12053	dB (A)	64			
- 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.							

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

- VDI no. 1.8 with ERC 212b / 214b / 216b: with DZ mast: x - 3 mm.
- VDI no. 1.8 with ERC 220b: with DZ mast: x - 32 mm.
- VDI no. 1.9 with ERC 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 ERC 212b / 214b / 216b: with DZ mast: l1 + 3 mm.
- VDI no. 4.19 with ERC 220b: with DZ mast: l1 + 32 mm.
- VDI no. 4.19 with ERC 214b / 216b / 220b: with M Li-ion battery compartment: l1 - 72 mm.
- VDI no. 4.20 with ERC 212b / 214b / 216b: with DZ mast: l2 + 3 mm.
- VDI no. 4.20 with ERC 220b: with DZ mast: l2 + 32 mm.
- VDI no. 4.20 with ERC 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 ERC 212b / 214b / 216b: with DZ mast: aisle width + 3 mm.
- VDI no. 4.34.1 with ERC 220b: with DZ mast: aisle width + 32 mm.
- VDI no. 4.34.1 with ERC 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 ERC 212b / 214b / 216b: with DZ mast: aisle width + 3 mm.
- VDI no. 4.34.2 with ERC 220b: with DZ mast: aisle width + 32 mm.
- VDI no. 4.34.2 with ERC 214b / 216b / 220b: with M Li-ion battery compartment: aisle width - 72 mm.
- VDI no. 4.35 with ERC 214b / 216b / 220b: with M Li-ion battery compartment: Wa - 72 mm.

- VDI no. 5.1: with Efficiency performance package without operator restraint system: 6.0 / 6.0 km/h; with operator restraint system: 9.0 / 9.0 km/h.
- 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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