



Electric pedestrian stacker with support arm lift

ERD 120 / 220

Lift height: 1500-2905 mm / Load capacity: 2000 kg



The figure contains four technical drawings of a vehicle seat and backrest assembly, arranged in a 2x2 grid. The top row shows side views, and the bottom row shows top views. The left column represents a standard configuration, and the right column represents a high-back configuration.

Top Left (Side View - Standard): Shows the seat and backrest with dimensions: h_4 , h_1 , h_{14} , 1263 , 875 , 180 , $583/698$, l_1 , l_2 , h_2 , h_3 , h_4 , h_{14} , h_{13} , h_5 , l , x , c , Q , m_2 , y , s .

Top Right (Side View - High-Back): Shows the seat and backrest with dimensions: h_4 , h_1 , h_{14} , $h_{14 \text{ max.}}$, 1115 , 875 , 185 , 396 , 226 , l_2 , h_2 , h_3 , h_4 , h_{14} , h_{13} , h_5 , l , x , c , Q , m_2 , y , s .

Bottom Left (Top View - Standard): Shows the seat and backrest from above with dimensions: Wa , l_6 , e , b_{10} , b_1 , b_5 , b_{11} , b_{12} , $a/2$, As .

Bottom Right (Top View - High-Back): Shows the seat and backrest from above with dimensions: Wa , l_6 , e , b_{10} , b_1 , b_5 , b_{11} , b_{12} , $a/2$, As .

ERD 120 / 220

ERD 120, ERD 220, ERD 220 drivePLUS	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	1660 mm	1306 mm	100 mm	2115 mm
	2010 mm	1481 mm	100 mm	2465 mm
	2100 mm	1526 mm	100 mm	2555 mm
	2560 mm	1756 mm	100 mm	3015 mm
	2900 mm	1926 mm	100 mm	3355 mm
Duplex mast ZZ	2500 mm	1706 mm	1250 mm	2956 mm
	2900 mm	1906 mm	1450 mm	3356 mm
Single mast E	1500 mm	1921 mm	1468 mm	1953 mm
	1660 mm	2081 mm	1628 mm	2113 mm
	2100 mm	2521 mm	2068 mm	2553 mm
Triplex mast DT	2050 mm	1213 mm	100 mm	2513 mm
	2350 mm	1313 mm	100 mm	2813 mm
	2500 mm	1363 mm	100 mm	2963 mm
	2905 mm	1498 mm	100 mm	3368 mm

VDI table

Kennzeichen	1.1	Hersteller (Kurzbezeichnung)		Jungheinrich		
	1.2	Typzeichen des Herstellers		ERD 120	ERD 220	ERD 220 drivePLUS
	1.3	Antrieb		electric		
	1.4	Bedienung		Stand-on/pedestrian		
	1.5	Load capacity/load	Q	kg	2000	
	1.5.1	Nenntragfähigkeit/Last bei Masthub	Q	kg	1000	
	1.5.2	Nenntragfähigkeit/Last bei Radarmhub	Q	kg	2000	
	1.6	Lastschwerpunktabstand	c	mm	600	
	1.8	Lastabstand	x	mm	956	
	1.9	Radstand	y	mm	1624	
Gewichte	2.1.1	Eigengewicht (inkl. Batterie)		kg	1010	
	2.2	Achslast mit Last vorn/hinten		kg	1185 / 1830	
	2.3	Achslast ohne Last vorn/hinten		kg	750 / 260	
Räder/Fahrwerk	3.1	Bereifung		Polyurethane (PU)		
	3.2	Reifengröße, vorn		ø 230 x 65	ø 230 x 77	
	3.3	Reifengröße, hinten		ø 85 x 95 / ø 85 x 75		
	3.4	Zusatzräder		ø 140 x 50		
	3.5	Wheels, number front/back (x=driven)		1x + 2 / 2 oder 4		
	3.6	Spurweite, vorn	b10	mm	512	
	3.7	Spurweite, hinten	b11	mm	385	
Grundabmessungen	4.2	Retracted mast height (h1)	h1	mm	1306	
	4.3	Free lift (h2)	h2	mm	100	
	4.4	Lift (h3)	h3	mm	1660	
	4.5	Extended mast height (h4)	h4	mm	2115	
	4.6	Initialhub	h5	mm	110	
	4.9	Höhe Deichselgriff in Fahrstellung min./max.	h14	mm	1230 / 1410	
	4.15	Höhe gesenkt	h13	mm	90	
	4.19	Gesamtlänge	l1	mm	2084	
	4.20	Länge einschließlich Gabelrücken	l2	mm	894	
	4.21.1	Gesamtbreite	b1	mm	770	
	4.22	Fork dimensions	s/ e/l	mm	56 x 185 x 1190	
	4.25	Width across forks	b5	mm	570	
	4.32	Bodenfreiheit Mitte Radstand	m2	mm	19	
	4.34.1	Arbeitsgangbreite (Palette 1000x1200 quer)	Ast	mm	2300	
	4.34.2	Arbeitsgangbreite (Palette 800x1200 längs)	Ast	mm	2310	
	4.35	Wenderadius	Wa	mm	1866	

Leistungsdaten	5.1	Fahrgeschwindigkeit mit/ohne Last	km/h	8.2 / 9	9.5 / 12.5	9.5 / 14
	5.2	Hubgeschwindigkeit mit/ohne Last	m/s	0.17 / 0.32		
	5.3	Senkgeschwindigkeit mit/ohne Last	m/s	0.45 / 0.35		
	5.7	Steigfähigkeit mit/ohne Last	%	8 / 16		10 / 20
	5.10	Betriebsbremse		generative		
E-Motor/Elektronik	6.1	Fahrmotor, Leistung S2 60 min	kW	2	2.8	3.2
	6.2	Hubmotor, Leistung bei S3	kW	2.2		
	6.3	Batterie nach DIN 43531/35/36		DIN 43535 B		
	6.4	Batteriespannung/Nennkapazität	V / Ah	24 / 250		
	6.5	Batteriegewicht	kg	235		
	6.6	Energieverbrauch nach VDI-Zyklus	kWh/h	0		
	6.6.1	Energieverbrauch nach EN-Zyklus	kWh/h	0.68	0.62	0.71
	6.6.2	CO2 Äquivalent nach EN16796	kg/h	0.4	0.3	0.4
	6.7	Umschlagleistung	t/h	84	108	
	6.8.1	Energieverbrauch bei max. Umschlagleistung	kWh/h	0.83	1.44	1.48
Sonstiges	8.1	Art der Fahrsteuerung		AC		
	10.7	Schalldruckpegel nach EN12053	dB (A)	71	68	67
- 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 to the folding stand-on platform (folded up), M-LBE battery compartment, ZT1660 mast, proportional hydraulics, fork length 1,190 mm, raised support arm lift.

- VDI no. 1.5: in double-decker mode: mast lift max. 1 t / overall load max. 2 t.

- VDI no. 1.8: lowered support arm lift: x + 48 mm. With fork length 1,150 mm: x - 40 mm. With simplex mast: x - 1 mm; triplex telescopic mast: x - 10 mm; ZZ mast: x - 29 mm.

- VDI no. 1.9: lowered support arm lift: y + 48 mm. With fork length 1,150 mm: y - 40 mm. With M-VBE, L-LBE & L high-LBE battery compartment: y + 72 mm; L-VBE: y + 117 mm.

- VDI no. 4.9: with fixed stand-on platform: 1,256 mm (1,296 mm with L high-LBE battery compartment) or 1,204 / 1,284 mm with height-adjustable tiller.

- VDI no. 4.19: with M-VBE, L-LBE & L high-LBE battery compartment: l1 + 72 mm; L-VBE: l1 + 117 mm. With folding platform folded down: l1 + 396 mm; compact, fixed platform: l1 + 357 mm; extended, fixed platform: l1 + 472 mm; L platform: l1 + 477 mm. With simplex mast: l1 + 1 mm; triplex telescopic mast: l1 + 10 mm; ZZ mast: l1 + 29 mm.

- VDI no. 4.20: with M-VBE, L-LBE & L high-LBE battery compartment: l2 + 72 mm; L-VBE: l2 + 117 mm. With folding platform folded down: l2 + 396 mm; compact, fixed platform: l2 + 357 mm; extended, fixed platform: l2 + 472 mm; L platform: l2 + 477 mm. With simplex mast: l2 + 1 mm; triplex telescopic mast: l2 + 10 mm; ZZ mast: l2 + 29 mm.

- VDI no. 4.34.1: with fork length 1,150 mm: aisle width - 40 mm. With M-VBE, L-LBE & L high-LBE battery compartment: aisle width + 72 mm; L-VBE: aisle width + 117 mm. with folding platform folded down: aisle width + 396 mm; compact, fixed platform: aisle width + 357 mm; extended, fixed platform: aisle width + 472 mm; L platform: aisle width + 477 mm. With simplex mast: aisle width + 1 mm; triplex telescopic mast: aisle width + 10 mm; ZZ mast: aisle width + 29 mm.

- VDI no. 4.34.2: with fork length 1,150 mm: aisle width - 40 mm. With M-VBE, L-LBE & L high-LBE battery compartment: aisle width + 72 mm; L-VBE: aisle width + 117 mm. with folding platform folded down: aisle width + 396 mm; compact, fixed platform: aisle width + 357 mm; extended, fixed platform: aisle width + 472 mm; L platform: aisle width + 477 mm. With simplex mast: aisle width + 1 mm; triplex telescopic mast: aisle width + 10 mm; ZZ mast: aisle width + 29 mm.

- VDI no. 4.35: with fork length 1,150 mm: Wa - 40 mm. With M-VBE, L-LBE & L high-LBE battery compartment: Wa + 72 mm; L-VBE: Wa + 117 mm. with folding platform folded down: Wa + 396 mm; compact, fixed platform: Wa + 357 mm; extended, fixed platform: Wa + 472 mm; L platform: Wa + 477 mm.

- VDI no. 5.3: With black / white hydraulics: 0.26 / 0.27 m/s.
- VDI no. 6.2: With black / white hydraulics: 1.9 kW.

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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