



## Electric pedestrian stacker with support arm lift

**ERD 120/220/220 drivePLUS**

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



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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

		Jungheinrich		
		ERD 120	ERD 220	ERD 220 drivePLUS
Characteristic	1.1	Manufacturer (abbreviated description)		
	1.2	Manufacturer's type designation		
	1.3	Drive type		electric
	1.4	Operation		Stand-on/pedestrian
	1.5	Load capacity/load	Q kg	2000
	1.5.1	Rated capacity/load with mast lift	Q kg	1000
	1.5.2	Rated capacity/load with support arm lift	Q kg	2000
	1.6	Load centre distance	c mm	600
	1.8	Load distance, centre of drive axle to fork	x mm	956
	1.9	Wheelbase	y mm	1624
Weights	2.1.1	Service weight (incl. battery)	kg	1010
	2.2	Axle load laden front/rear	kg	1185 / 1830
	2.3	Axle load unladen front/rear	kg	750 / 260
Wheels/chassis	3.1	Tyres		Polyurethane (PU)
	3.2	Tyre size, front		ø 230 x 65   ø 230 x 77
	3.3	Tyre size, rear		ø 85 x 95 / ø 85 x 75
	3.4	Additional wheels		ø 140 x 50
	3.5	Wheels, number front/back (x=driven)		1x + 2 / 2 oder 4
	3.6	Tread width, front	b10 mm	512
	3.7	Tread width, rear	b11 mm	385
Basic dimensions	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	Initial lift	h5 mm	110
	4.9	Height of tiller handle in drive position min./max.	h14 mm	1230 / 1410
	4.15	Height, lowered	h13 mm	90
	4.19	Total length	l1 mm	2084
	4.20	Length including fork shank	l2 mm	894
	4.21.1	total width	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	Ground clearance centre of wheelbase	m2 mm	19
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	2300
4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2310	
4.35	Turning radius	Wa mm	1866	
Performance data	5.1	Travel speed laden/unladen	km/h	8.2 / 9   9.5 / 12.5   9.5 / 14
	5.2	Lift speed laden/unladen	m/s	0.17 / 0.32
	5.3	Lowering speed laden/unladen	m/s	0.45 / 0.35
	5.7	Gradeability laden/unladen	%	8 / 16   10 / 20
	5.10	Service brake		generative

Electric motor/electronics	6.1	Drive motor, performance S2 60 min	kW	2	2.8	3.2
	6.2	Lift motor, performance with S3	kW	2.2		
	6.3	Battery according to DIN 43531/35/36		DIN 43535 B		
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 250		
	6.5	Battery weight	kg	235		
	6.6	Energy consumption according to VDI cycle	kWh/h	0		
	6.6.1	Energy consumption according to EN cycle	kWh/h	0.68	0.62	0.71
	6.6.2	CO2 equivalent according to EN ISO 23308	kg/h0	0.37	0.34	0.38
	6.7	Throughput	t/h	84	108	
	6.8.1	Energy consumption with max. throughput	kWh/h	0.83	1.44	1.48
Other	8.1	Type of drive control		AC		
	10.7	Sound pressure level according to 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 operation: mast lift max. 1 t / total load max. 2 t. Permitted up to a lift height  $h_{13} + h_3$  of 1,800 mm. The heavier load is to be transported on the support arms (below).
- 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-SBE & L-high SBE battery compartment:  $l_1 + 72$  mm; L-VBE:  $l_1 + 117$  mm. With folding platform folded down:  $l_1 + 396$  mm; compact, fixed platform:  $l_1 + 357$  mm; extended, fixed platform:  $l_1 + 472$  mm; L platform:  $l_1 + 477$  mm. With simplex mast:  $l_1 + 1$  mm; triplex telescopic mast:  $l_1 + 10$  mm; ZZ mast:  $l_1 + 29$  mm.
- VDI no. 4.20: with M-VBE, L-SBE & L-high SBE battery compartment:  $l_2 + 72$  mm; L-VBE:  $l_2 + 117$  mm. With folding platform folded down:  $l_2 + 396$  mm; compact, fixed platform:  $l_2 + 357$  mm; extended, fixed platform:  $l_2 + 472$  mm; L platform:  $l_2 + 477$  mm. With simplex mast:  $l_2 + 1$  mm; triplex telescopic mast:  $l_2 + 10$  mm; ZZ mast:  $l_2 + 29$  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:  $W_a - 40$  mm. With M-VBE, L-SBE & L-high SBE battery compartment:  $W_a + 72$  mm; L-VBE:  $W_a + 117$  mm. With folding platform folded down:  $W_a + 396$  mm; compact, fixed platform:  $W_a + 357$  mm; extended, fixed platform:  $W_a + 472$  mm; L platform:  $W_a + 477$  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.
- VDI no. 5.1: maximum travel speed in double-decker operation (mast lift > 400 mm): ERD 120: 6 km/h; ERD 220 / 220 drivePLUS: 8.2 km/h.

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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The logo features a red upward-pointing arrow integrated into the letter 'J' of the word 'JUNGHEINRICH', which is written in a bold, black, sans-serif font.