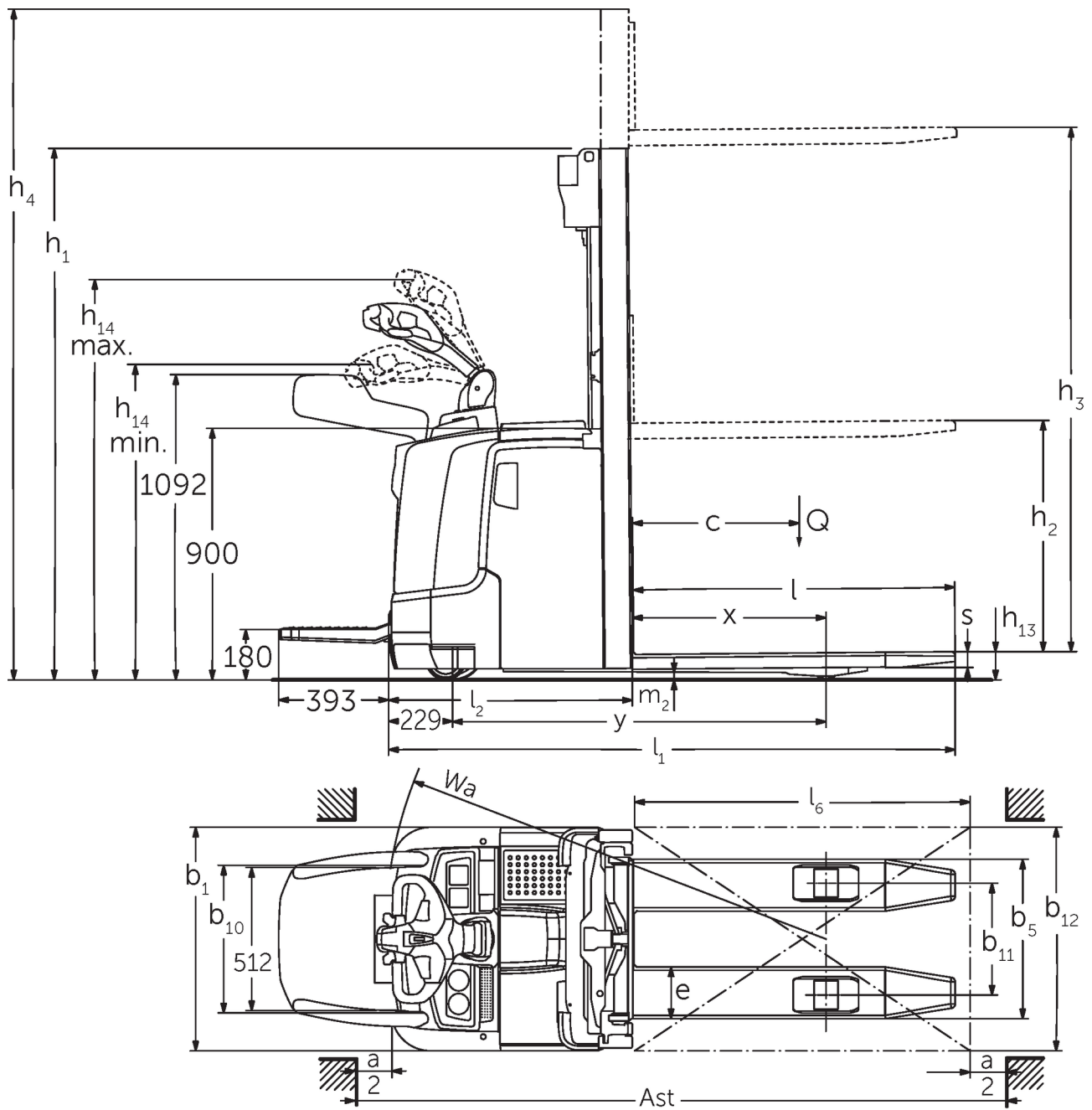




Electric pedestrian stacker **ERC 212-220**

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

ERC 212-220



Dimensional drawing ERC 2

ERC 212-220

VDI table

Stand-on: 07/2024

		Jungheinrich					
		ERC 212	ERC 214	ERC 216	ERC 220		
Characteristic	1.1	Manufacturer (abbreviated description)					
	1.2	Manufacturer's type designation					
	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	688	667		
	1.9	Wheelbase	y mm	1264		1336	
	Weights	2.1.1	Service weight (incl. battery)	kg	1130	1200	1220
2.2		Axle load laden front/rear	kg	890 / 1440	960 / 1640	980 / 1840	983 / 2332
2.3		Axle load unladen front/rear	kg	830 / 300	880 / 320	890 / 330	924 / 392
Wheels/suspension system	3.1	Tyres	Polyurethane (PU)				
	3.2	Tyre size, front	Ø 230 x 77				
	3.3	Tyre size, rear	Ø 85 x 110 / 85		Ø 85 x 85		
	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	515			
	3.7	Tread width, rear	b11 mm	400			
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	3375	3325	3495	
	4.9	Height of tiller handle in drive position min./max.	h14 mm	1170 / 1390			
	4.15	Height, lowered	h13 mm	90			
	4.19	total length	l1 mm	1955	1976	2048	
	4.20	Length including fork shank	l2 mm	805	826	898	
	4.21.1	total width	b1 mm	800			
	4.22	Fork dimensions	s/ e/l mm	56 x 185 x 1150			
	4.25	Width across forks	b5 mm	570			
	4.32	Ground clearance centre of wheelbase	m2 mm	28		18	
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	2170	2191	2263	
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2220	2241	2313	
4.35	Turning radius	Wa mm	1508		1580		
Performance data	5.1	Travel speed laden/unladen (Efficiency drivePLUS)	km/h	6 / 6 9 / 11		6 / 6 8 / 10	
	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 (Efficiency drivePLUS)	%	10 / 16 10 / 20	9 / 16 10 / 20	8 / 16 10 / 20	5 / 16 6 / 16
	5.10	Service brake		generative			
E-motor/Electronics	6.1	Drive motor, performance S2 60 min (Efficiency drivePLUS)	kW	2.8 3.2			
	6.2	Lift motor, performance with S3	kW	3			
	6.3	Battery according to DIN 43531/35/36		DIN 43535 B			
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 300		24 / 375	
	6.5	Battery weight	kg	238		273	
	6.6	Energy consumption according to VDI cycle	kWh/h	-			1.45
	6.6.1	Energy consumption according to EN cycle (Efficiency PLUS)	kWh/h	0.63 0.64	0.81 0.76	0.86 0.83	1.07 -

	6.6.2	CO2 equivalent as per EN 16796 (Efficiency PLUS)	kg/h	0.3 0.3	0.4 0.4	0.5 0.4	0.6 -
	6.7	Throughput (Efficiency PLUS)	t/h	56 57	64 65	71 73	85 -
	6.8.1	Energy consumption with max. throughput (Efficiency PLUS)	kWh/h	1.63 1.65	1.65 1.64	1.67 1.65	2.13 -
Other	8.1	Type of drive control		AC			
	10.7	Sound level as per EN12053, operator's ear	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.							

Efficiency: Values of standard package | PLUS: Values of performance package

The values in the table apply for the battery compartment M-VBE (ERC 212 / 214 / 216), L-VBE / LBE (ERC 220); mast ZT2800 / 2840 / 2900 mm.

- VDI no. 1.8 with ERC 212 / 214 / 216: with DZ mast: x - 42 mm.

- VDI no. 1.8 with ERC 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 ERC 212 / 214 / 216: with M Li-ion battery compartment: y + 0 mm, L-VBE or L-LBE: y + 72 mm.

- VDI no. 1.9 with ERC 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: tandem: Ø 85 x 75 mm.

- VDI no. 4.19 with ERC 212 / 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 ERC 220: with DZ mast: l1 + 71 mm. with M Li-ion battery compartment: l1 - 72 mm.

- VDI no. 4.20 with ERC 212 / 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 ERC 220: with DZ mast: l2 + 71 mm. with M Li-ion battery compartment: l2 - 72 mm.

- VDI no. 4.34.1 with ERC 212 / 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 ERC 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. 4.34.2 with ERC 212 / 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 ERC 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. 4.35 with ERC 212 / 214 / 216: with M Li-ion battery compartment: Wa + 0 mm, L-VBE or L-LBE: Wa + 72 mm.

- VDI no. 4.35 with ERC 220: with DZ mast: Wa + 70 mm; 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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