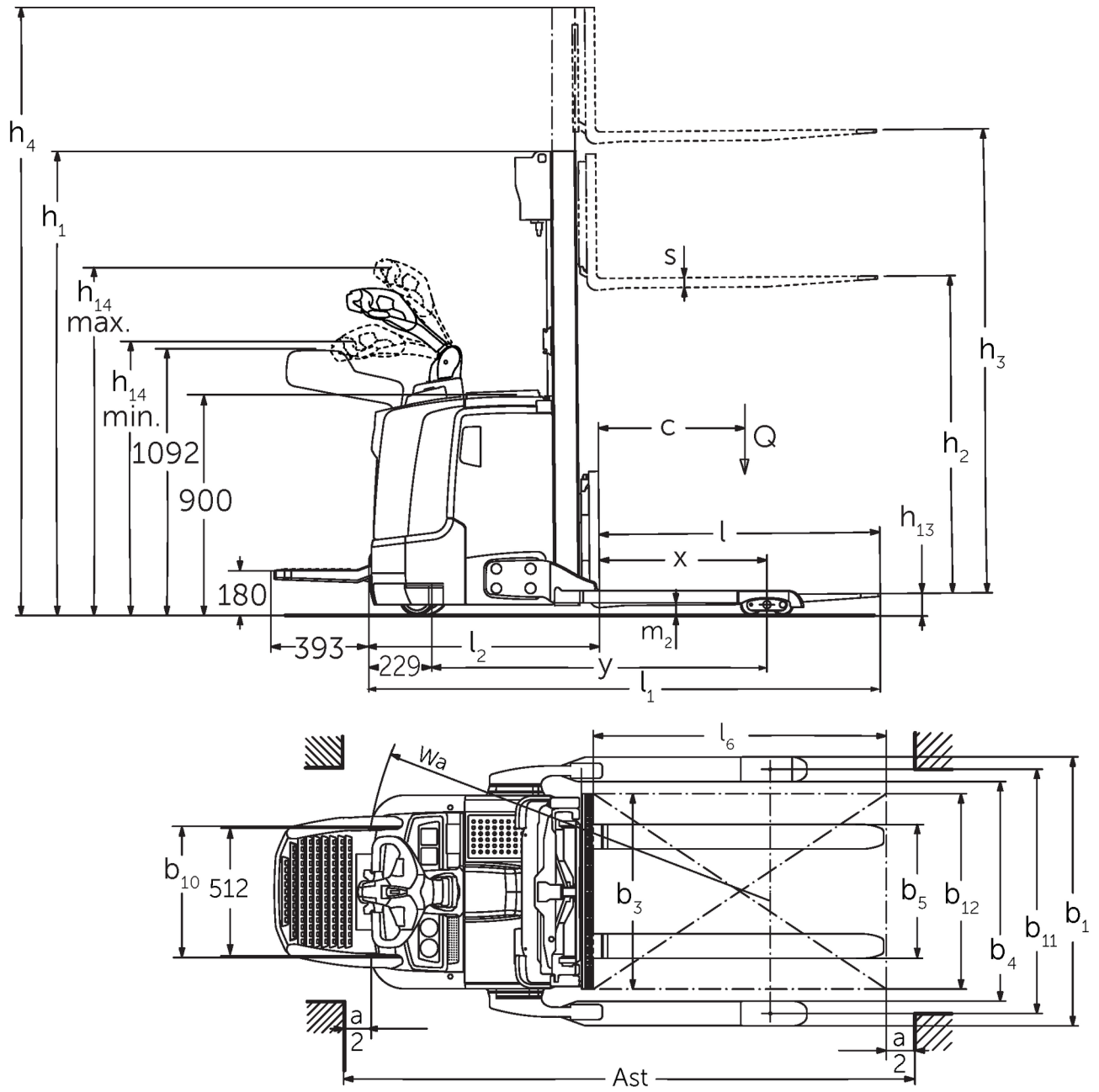




## **Electric pedestrian stacker** **ERC 212b-220b**

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

# ERC 212b-220b



Dimensional drawing ERC 2b

**ERC 212b-220b**

# VDI table

Stand-on: 07/2024

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich			
	1.2	Manufacturer's type designation		ERC 212b	ERC 214b	ERC 216b	ERC 220b
	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	668		
	1.9	Wheelbase	y mm	1339	1411		
	Weights	2.1.1	Service weight (incl. battery)	kg	1170	1215	1250
2.2		Axle load laden front/rear	kg	900 / 1470	920 / 1730	920 / 1930	983 / 2332
2.3		Axle load unladen front/rear	kg	830 / 340	850 / 400		906 / 410
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 75			
	3.4	Additional wheels		Ø 140 x 54			
	3.5	Wheels, number front/back (x=driven)		1x +1/4			
	3.6	Tread width, front	b10 mm	515			
	3.7	Tread width, rear	b11 mm	1000			
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	3470	3370	3495	
	4.9	Height of tiller handle in drive position min./max.	h14 mm	1170 / 1390			
	4.19	total length	l1 mm	2030	2123		
	4.20	Length including fork shank	l2 mm	880	973		
	4.21.1	total width	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	Fork carriage width	b3 mm	800			
	4.32	Ground clearance centre of wheelbase	m2 mm	50			40
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	2252	2322		
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2302	2372		
4.35	Turning radius	Wa mm	1570	1640			
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 / 20
	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   0.74	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 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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