

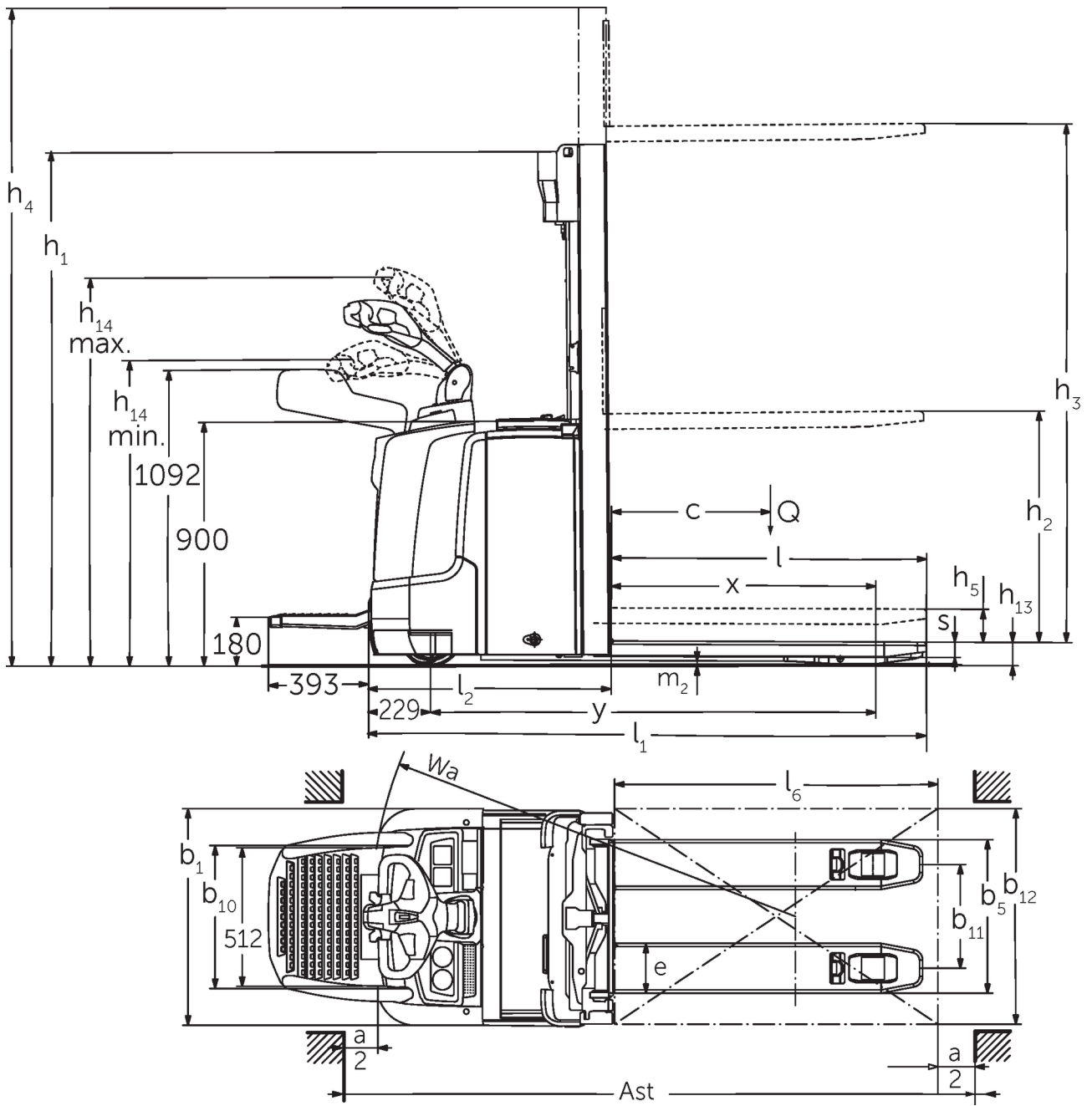


Electric pedestrian stacker with support arm lift

ERC 212z-220z

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

ERC 212z-220z



Dimensional drawing ERC 2z

ERC 212z-220z

VDI table

Stand-on: 07/2024

			Jungheinrich				
			ERC 212z	ERC 214z	ERC 216z	ERC 220z	
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
	1.5.1	Rated capacity/load with mast lift	Q kg	1200	1400	1600	2000
	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	910			
1.9	Wheelbase	y mm	1570	1591			
Weights	2.1.1	Service weight (incl. battery)	kg	1260	1320		1399
	2.2	Axle load laden front/rear	kg	1190 / 1270	1260 / 1460	1300 / 1620	1414 / 1989
	2.3	Axle load unladen front/rear	kg	950 / 310	990 / 330		1027 / 372
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 95 / 75			Ø 85 x 75
	3.4	Additional wheels		Ø 180 x 75			
	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	385			
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
	4.6	Initial lift	h5 mm	122			
	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	2039	2060		
	4.20	Length including fork shank	l2 mm	889	910		
	4.21.1	total width	b1 mm	800			
	4.21.2	total width	b2 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	18			
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	2252	2273		
4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2302	2323			
4.35	Turning radius	Wa mm	1812	1833			
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 / -	0.15 / 0.3	0.11 / 0.34
	5.3	Lowering speed laden/unladen	m/s	0.45 / 0.35	- / -	0.45 / 0.3	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 / 375			

	6.5	Battery weight	kg	294			
	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			
<p>- 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.</p>							

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

The values in the table apply for the LX-LBE battery compartment; mast ZT2800 / 2840 / 2900, raised support arms.

The battery compartments have no influence on the truck dimensions.

- VDI no. 1.8 with ERC 212z / 214z / 216z: with DZ mast: x - 42 mm; with lowered support arms: x + 54 mm.
- VDI no. 1.8 with ERC 220z: with DZ mast: x - 71 mm; with lowered support arms: x + 54 mm.
- VDI no. 1.9: with lowered support arms: x + 54 mm.
- VDI no. 3.3: tandem: Ø 85 x 75 mm.
- VDI no. 4.19 with ERC 212z / 214z / 216z: with DZ mast: l1 + 42 mm.
- VDI no. 4.19 with ERC 220z: with DZ mast: l1 + 71 mm.
- VDI no. 4.20 with ERC 212z / 214z / 216z: with DZ mast: l2 + 42 mm.
- VDI no. 4.20 with ERC 220z: with DZ mast: l2 + 71 mm.
- VDI no. 4.34.1 with ERC 212z / 214z / 216z: diagonal as per VDI: aisle width + 367 mm. with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.1 with ERC 220z: diagonal as per VDI: aisle width + 367 mm. with DZ mast: aisle width + 71 mm.
- VDI no. 4.34.2 with ERC 212z / 214z / 216z: diagonal as per VDI: aisle width + 204 mm. with DZ mast: aisle width + 42 mm.
- VDI no. 4.34.2 with ERC 220z: diagonal as per VDI: aisle width + 204 mm. with DZ mast: aisle width + 71 mm.
- VDI no. 4.35: with lowered support arms: + 54 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.
- VDI no. 5.8: the values in the table relate to the rated load (1.5). With maximum load in the support arm lift (1.5.2): max. gradeability laden = 5%.

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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