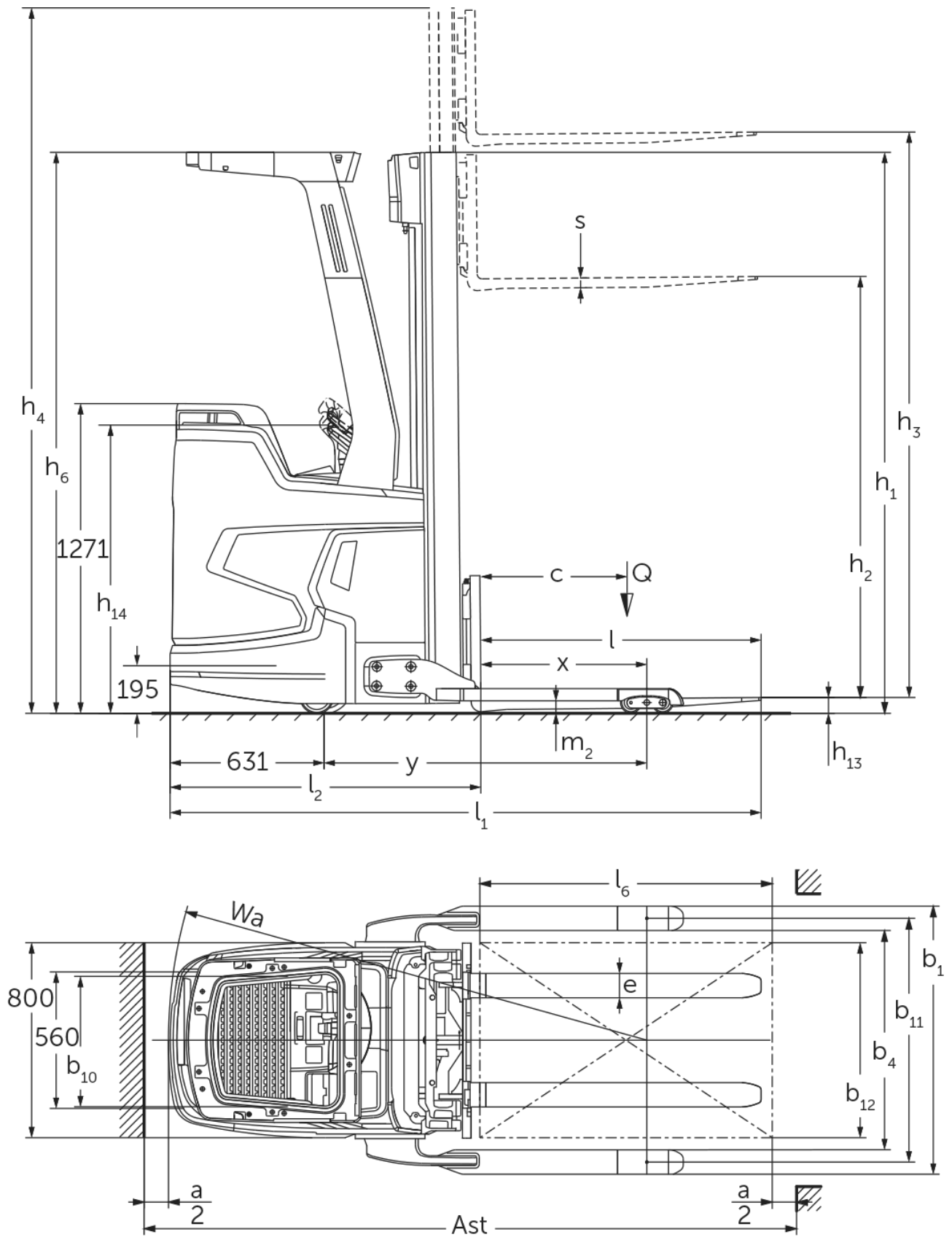




Electric pedestrian stacker **ERC 214bi-216bi**

Lift height: 2400-6000 mm / Load capacity: 1400-1600 kg

ERC 214bi-216bi



ERC 214bi-216bi

VDI table

Stand-on: 07/2024

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich	
	1.2	Manufacturer's type designation		ERC 214bi	ERC 216i
	1.3	Drive		Electric	
	1.4	Operation		Operator platform	
	1.5	Load capacity/load	Q kg	1400	1600
	1.6	Load centre distance	c mm	600	
	1.8	Load distance, centre of drive axle to fork	x mm	681	
	1.9	Wheelbase	y mm	1324	
	Weights	2.1.1	Service weight (incl. battery)	kg	1500
2.2		Axle load laden front/rear	kg	1215 / 1685	1230 / 1880
2.3		Axle load unladen front/rear	kg	1145 / 355	1150 / 360
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 57	
	3.5	Wheels, number front/back (x=driven)		1x + 1 / 4	
	3.6	Tread width, front	b10 mm	535	
	3.7	Tread width, rear	b11 mm	1000	
	3.7.1	2. Tread width, rear	mm	1170	
	3.7.2	3. Tread width, rear	mm	1370	
Basic dimensions	4.2	Retracted mast height (h1)	h1 mm	2300	
	4.3	Free lift (h2)	h2 mm	1768	1718
	4.4	Lift (h3)	h3 mm	5350	5250
	4.5	Extended mast height (h4)	h4 mm	5882	5832
	4.7	Height of overhead guard (cab)	h6 mm	2300	
	4.9	Height of tiller handle in drive position min./max.	h14 mm	1185 / 1245	
	4.19	total length	l1 mm	2425	
	4.20	Length including fork shank	l2 mm	1274	
	4.21.1	total width	b1 mm	1100	
	4.22	Fork dimensions	s/e/l mm	40 x 100 x 1150	
	4.24	Fork carriage width	b3 mm	800	
	4.32	Ground clearance centre of wheelbase	m2 mm	50	
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast mm	2632	
	4.34.2	Aisle width (pallet 800x1200 length)	Ast mm	2682	
4.35	Turning radius	Wa mm	1963		
Performance data	5.1	Travel speed laden/unladen	km/h	9 / 12	
	5.2	Lift speed laden/unladen	m/s	0.19 / 0.35	
	5.3	Lowering speed laden/unladen	m/s	0.43 / 0.49	
	5.8	Max. gradeability laden/unladen	%	8 / 16	
	5.10	Service brake		generative	
E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	3.2	
	6.2	Lift motor, performance with S3	kW	3	
	6.3	Battery according to DIN 43531/35/36		Jungheinrich Li-ion	
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 260	
	6.5	Battery weight	kg	98	
	6.6	Energy consumption according to VDI cycle	kWh/h	0	
	6.6.1	Energy consumption according to EN cycle	kWh/h	0.96	

	6.6.2	CO2 equivalent as per EN 16796	kg/h	0.5
	6.7	Throughput	t/h	83
	6.8.1	Energy consumption with max. throughput	kWh/h	2.31
Other	8.1	Type of drive control		AC
	10.7	Sound level as per EN12053, operator's ear	dB (A)	68
- 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 for the 260-Ah Li-ion battery, DZ 5350 / DZ 5250 mast, fork length 1,150 mm, with overhead guard, without bumper.

- VDI no. 1.8: with duplex telescopic mast: x + 32 mm
- VDI no. 4.19: with duplex telescopic mast: l1 - 32 mm
- VDI no. 4.20: with duplex telescopic mast: l2 - 32 mm
- VDI no. 4.21: depending on tread width: 1,100 / 1,270 / 1,470 mm
- VDI no. 4.24: available fork carrier widths: ISO 2A 800 / 975 mm
- VDI no. 4.34.1: diagonal as per VDI, depending on tread width: aisle width + 211 / + 211 / + 273 mm; with duplex telescopic mast: aisle width - 32 mm
- VDI no. 4.34.2: diagonal as per VDI, depending on tread width: aisle width + 136 / + 136 / + 223 mm; with duplex telescopic mast: aisle width - 32 mm
- VDI no. 6.2: with S3 = 11%
- VDI no. 6.5: with 130-Ah battery = 76 kg

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. 

 **JUNGHEINRICH**