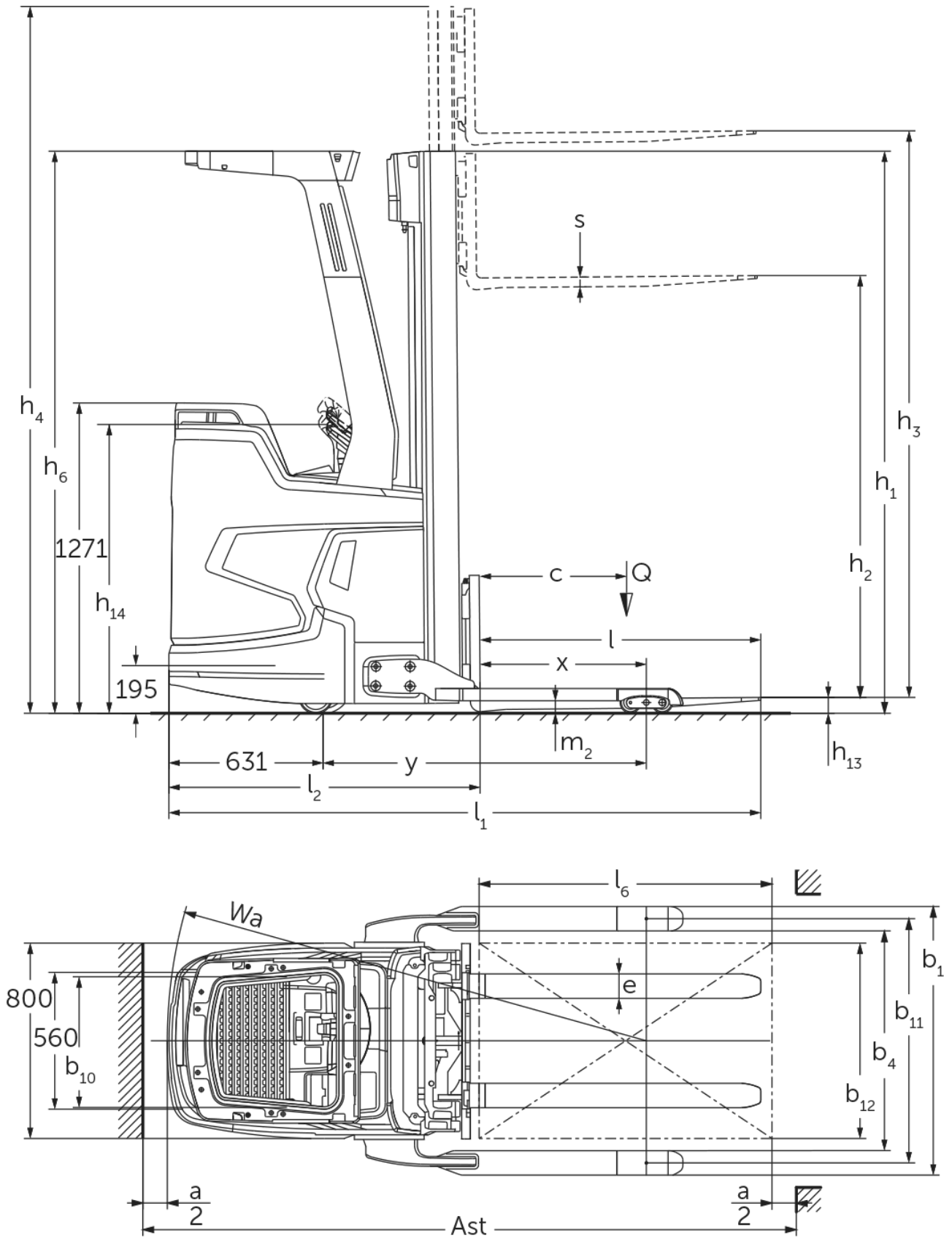




## **Electric pedestrian stacker** **ERC 214bi-216bi**

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

# ERC 214bi-216bi



# ERC 214bi-216bi

ERC 214bi	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	2500 mm	1800 mm	100 mm	3025 mm
	2760 mm	1930 mm	100 mm	3285 mm
	2900 mm	2000 mm	100 mm	3425 mm
	3160 mm	2130 mm	100 mm	3685 mm
	3600 mm	2350 mm	100 mm	4125 mm
	4100 mm	2600 mm	100 mm	4625 mm
	4300 mm	2700 mm	100 mm	4825 mm
Triplex mast DZ	4090 mm	1880 mm	1348 mm	4622 mm
	4300 mm	1950 mm	1418 mm	4832 mm
	4690 mm	2080 mm	1548 mm	5222 mm
	5350 mm	2300 mm	1768 mm	5882 mm
ERC 214bi, ERC 216bi	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Triplex mast DZ	6000 mm	2550 mm	1968 mm	6582 mm
ERC 216bi	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	2400 mm	1800 mm	100 mm	2975 mm
	2660 mm	1930 mm	100 mm	3235 mm
	2800 mm	2000 mm	100 mm	3375 mm
	3060 mm	2130 mm	100 mm	3635 mm
	3500 mm	2350 mm	100 mm	4075 mm
	4000 mm	2600 mm	100 mm	4575 mm
	4200 mm	2700 mm	100 mm	4775 mm
Triplex mast DZ	3990 mm	1880 mm	1298 mm	4572 mm
	4200 mm	1950 mm	1368 mm	4782 mm
	4590 mm	2080 mm	1498 mm	5172 mm
	5250 mm	2300 mm	1718 mm	5832 mm

# VDI table

Stand-on: 07/2021

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich		
					ERC 214bi	ERC 216i	
Characteristic	1.2	Manufacturer's type designation					
	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)			1500	1510
		2.2	Axle load laden front/rear			1215 / 1685	1230 / 1880
2.3		Axle load unladen front/rear			1145 / 355	1150 / 360	
Wheels/suspension system	3.1	Tyres			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	b <sub>10</sub>	mm	535		
	3.7	Tread width, rear	b <sub>11</sub>	mm	1000		
	3.7.1	2. Tread width, rear			1170		
	3.7.2	3. Tread width, rear			1370		
Basic dimensions	4.2	Retracted mast height (h1)	h <sub>1</sub>	mm	2300		
	4.3	Free lift (h2)	h <sub>2</sub>	mm	1768	1718	
	4.4	Lift (h3)	h <sub>3</sub>	mm	5350	5250	
	4.5	Extended mast height (h4)	h <sub>4</sub>	mm	5882	5832	
	4.7	Height of overhead guard (cab)	h <sub>6</sub>	mm	2300		
	4.9	Height of tiller handle in drive position min./max.			1185 / 1245		
	4.19	Overall length	l <sub>1</sub>	mm	2425		
	4.20	Length including fork shank	l <sub>2</sub>	mm	1274		
	4.21.1	Overall width	b <sub>1</sub>	mm	1100		
	4.22	Fork dimensions	s/e/l	mm	40 x 100 x 1150		
	4.24	Fork carriage width	b <sub>3</sub>	mm	800		
	4.32	Ground clearance centre of wheelbase	m <sub>2</sub>	mm	50		
	4.34	Aisle width (pallet 1000x1200 sideways)	Ast	mm	2632		
	4.34.1	Aisle width (pallet 800x1200 length)	Ast	mm	2682		
	4.35	Turning radius	W <sub>a</sub>	mm	1963		
Performance data	5.1	Travel speed laden/unladen			9 / 12		
	5.2	Lift speed laden/unladen			0.19 / 0.35		
	5.3	Lowering speed laden/unladen			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			3.2		
	6.2	Lift motor, performance with S3			3		
	6.3	Battery according to DIN 43531/35/36			Jungheinrich Li-ion		
	6.4	Battery voltage/nominal capacity			24 / 260		
	6.5	Battery weight			98		
	6.6.1	Energy consumption according to EN cycle			0.96		
	6.6.2	CO2 equivalent as per EN 16796			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.				

Values for 260-Ah Li-ion battery; mast DZ 5350 / DZ 5250; fork length: 1,150 mm; with overhead guard; without bumper.

- VDI no. 1.8: with ZT mast: x + 32 mm
- VDI no. 4.19: with ZT mast: l1 - 32 mm
- VDI no. 4.20: with ZT 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: diagonal as per VDI, depending on tread width: working aisle width (Ast) + 211 / + 211 / + 273 mm; with ZT mast: working aisle width (Ast) - 32 mm
- VDI no. 4.34.1: diagonal as per VDI, depending on tread width: working aisle width (Ast) + 136 / + 136 / + 223 mm; with ZT mast: working aisle width (Ast) - 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.

ISO 9001  
ISO 14001

Jungheinrich fork lift trucks meet  
European safety requirements.



 **JUNGHEINRICH**