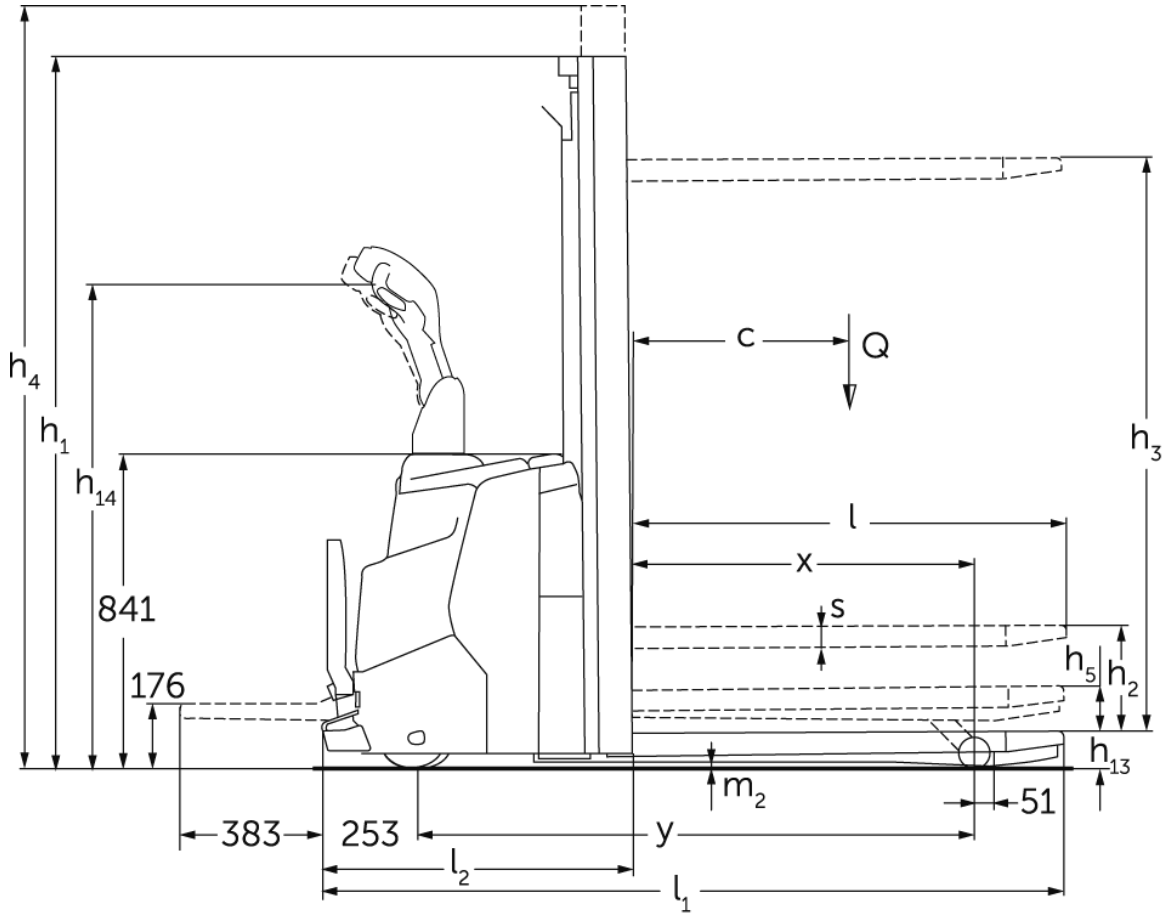
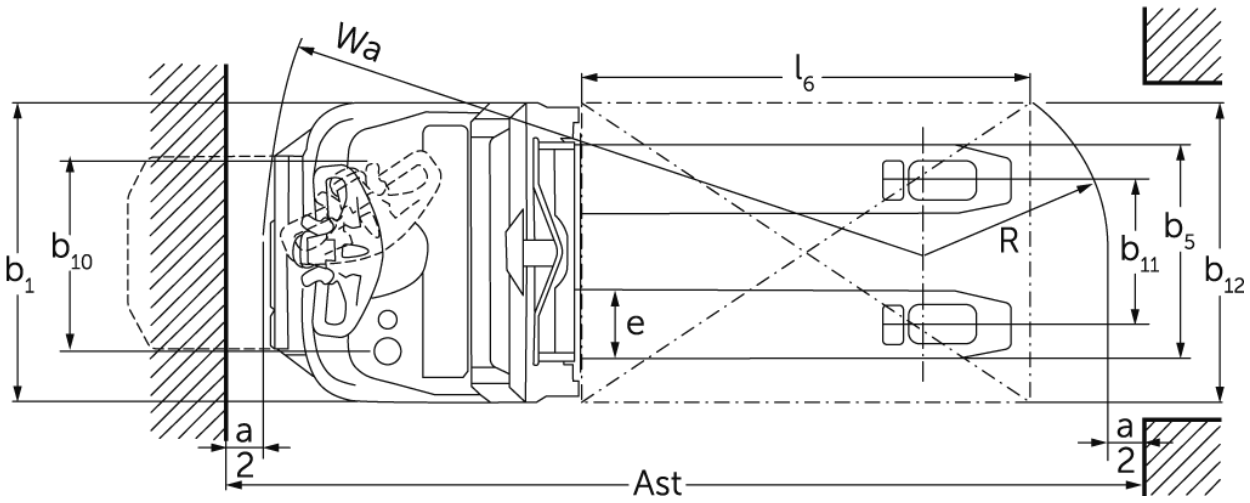
Electric pedestrian stacker with support arm lift

ERC 110zi / 112zi

Lift height: 2300-4700 mm / Load capacity: 1000-1200 kg

ERC 110zi / 112zi





ERC 110zi / 112zi

ERC 110zi, ERC 112zi	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	**2300 mm**	**1650 mm**	**100 mm**	**2775 mm**
	2500 mm	1750 mm	100 mm	2975 mm
	2700 mm	1850 mm	100 mm	3175 mm
	2900 mm	1950 mm	100 mm	3375 mm
	3200 mm	2100 mm	100 mm	3675 mm
	3600 mm	2300 mm	100 mm	4075 mm
	3900 mm	2450 mm	100 mm	4375 mm
Duplex mast ZZ	**2300 mm**	**1600 mm**	**1125 mm**	**2775 mm**
	2500 mm	1700 mm	1225 mm	2975 mm
	2900 mm	1900 mm	1425 mm	3375 mm
	3200 mm	2050 mm	1575 mm	3675 mm
	3600 mm	2250 mm	1775 mm	4075 mm
	3900 mm	2400 mm	1925 mm	4375 mm
Triplex mast DZ	**4090 mm**	**1845 mm**	**1338 mm**	**4597 mm**
	4300 mm	1915 mm	1408 mm	4807 mm
ERC 112zi	**Lift (h3)**	**Retracted mast height (h1)**	**Free lift (h2)**	**Extended mast height (h4)**
Duplex mast ZT	**4100 mm**	**2550 mm**	**100 mm**	**4575 mm**
	4300 mm	2650 mm	100 mm	4775 mm
Triplex mast DZ	**4700 mm**	**2050 mm**	**1564 mm**	**5213 mm**

VDI table

Stand-on: 01/2025

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich	
	1.2	Manufacturer's type designation			**ERC 110zi**	**ERC 112zi**
	1.3	Drive			electric	
	1.4	Operation			Pedestrian	
	1.5	Load capacity/load	Q	kg	1000	1200
	1.5.1	Rated capacity/load with mast lift	Q	kg	1000	1200
	1.5.2	Rated capacity/load with support arm lift	Q	kg	1400	1600
	1.6	Load centre distance	c	mm	600	
	1.8	Load distance, centre of drive axle to fork	x	mm	965	
	1.9	Wheelbase	y	mm	1544	
Weights	2.1.1	Service weight (incl. battery)		kg	915	925
	2.2	Axle load laden front/rear		kg	895 / 1020	945 / 1180
	2.3	Axle load unladen front/rear		kg	665 / 250	675 / 250
Wheels/suspension system	3.1	Tyres			Polyurethane (PU)	
	3.2	Tyre size, front			Ø 230 x 70	
	3.3	Tyre size, rear			Ø 85 x 95 / Ø 85 x 75	
	3.4	Additional wheels			Ø 140 x 54	
	3.5	Wheels, number front/back (x=driven)			1x + 1/2	
	3.6	Tread width, front	b10	mm	507	
	3.7	Tread width, rear	b11	mm	385	
Basic dimensions	4.2	Retracted mast height (h1)	h1	mm	1950	
	4.3	Free lift (h2)	h2	mm	100	
	4.4	Lift (h3)	h3	mm	2900	
	4.5	Extended mast height (h4)	h4	mm	3375	
	4.6	Initial lift	h5	mm	122	
	4.8	Seat height/stand height	h7	mm	176	
	4.9	Height of tiller handle in drive position min./max.	h14	mm	1037 / 1293	
	4.15	Height, lowered	h13	mm	90	
	4.19	Overall length	l1	mm	1982	
	4.20	Length including fork shank	l2	mm	832	
	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	18	
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast	mm	2198	
	4.34.2	Aisle width (pallet 800x1200 length)	Ast	mm	2248	
	4.35	Turning radius	Wa	mm	1813	
Performance data	5.1	Travel speed laden/unladen		km/h	6 / 6	
	5.2	Lift speed laden/unladen		m/s	0.15 / 0.24	0.16 / 0.29
	5.3	Lowering speed laden/unladen		m/s	0.34 / 0.34	0.41 / 0.37
	5.8	Max. gradeability laden/unladen		%	5 / 10	
	5.10	Service brake			generative	
E-motor/ Electronics	6.1	Drive motor, performance S2 60 min		kW	0.9	
	6.2	Lift motor, performance with S3		kW	2.2	
	6.3	Battery according to DIN 43531/35/36			no	
	6.4	Battery voltage/nominal capacity		V / Ah	24 / 105	
	6.5	Battery weight		kg	45	

	6.6.1	Energy consumption according to EN cycle	kWh/h	0.83
	6.6.2	CO2 equivalent as per EN 16796	kg/h	0.4
	6.7	Throughput	t/h	45
	6.8.1	Energy consumption with max. throughput	kWh/h	1.18
Other	8.1	Type of drive control		AC
	10.7	Schalldruckpegel nach EN12053	dB (A)	64.6

- 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 S battery compartment, ZT2900 mast, battery 105 Ah.
- VDI no. 1.8: with DZ mast: x - 40 mm. Raised support arms: - 51 mm.
- VDI no. 4.19: with DZ mast: l1 + 40 mm. bottom platform: + 383 mm.
- VDI no. 4.20: with DZ mast: l2 + 40 mm. bottom platform: + 383 mm.
- VDI no. 4.34.1: diagonal as per VDI: aisle width + 370 mm; with DZ mast: aisle width + 40 mm.
- VDI no. 4.34.2: diagonal as per VDI: aisle width + 206 mm; with DZ mast: aisle width + 40 mm.
- VDI no. 4.35: bottom platform: + 367 mm; raised support arms: - 51 mm.
- 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 = 3.5%.
- VDI no. 6.2: ERC 110zi: S3 5%: ERC 112zi: S3 10%.

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.

CE

JUNGHEINRICH