



Electric pedestrian stacker

EJC 110bi

Lift height: 1170-1970 mm / Load capacity: 1000 kg



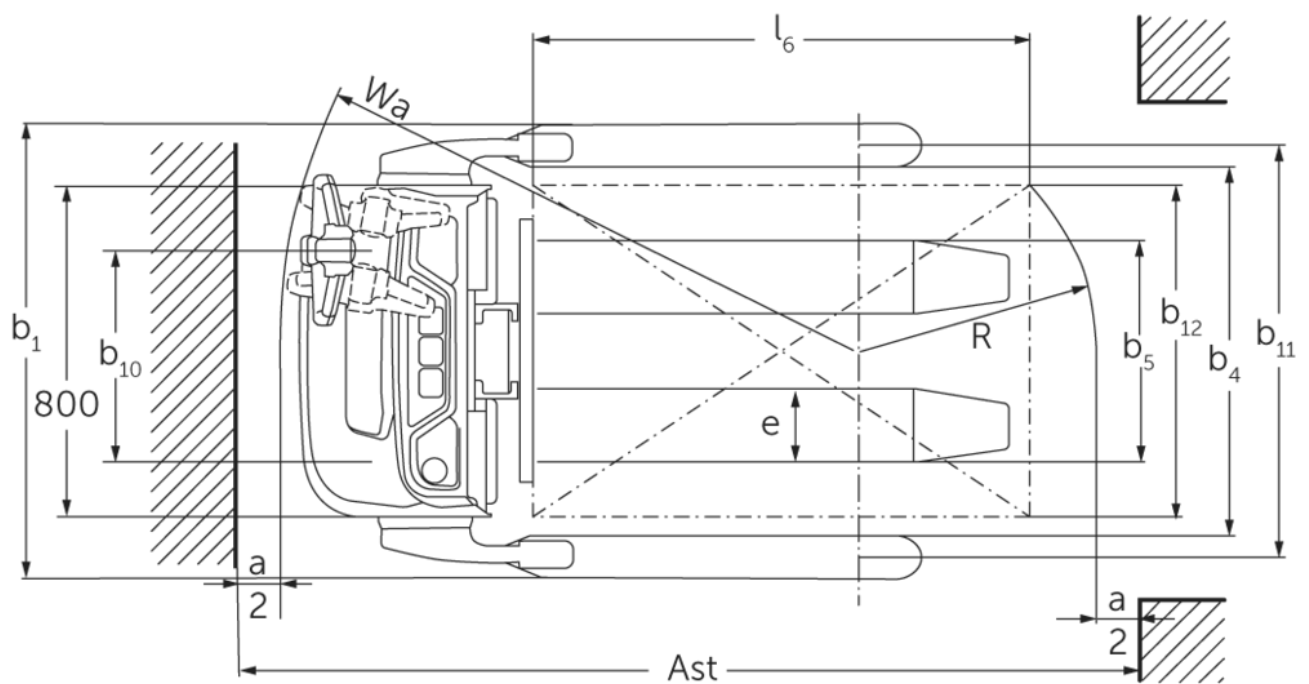
Technical drawing of a mechanical assembly, likely a robotic arm or a specialized tool, showing dimensions and labels. The drawing includes a side view and a top view.

Dimensions:

- h_1 : Vertical distance from the base to the top of the main structure.
- h_2 : Vertical distance from the base to the top of the horizontal arm.
- h_3 : Vertical distance from the base to the top of the vertical structure.
- h_4 : Total vertical distance from the base to the top of the structure.
- h_8 : Vertical distance from the base to the top of the horizontal arm.
- h_{13} : Vertical distance from the base to the top of the horizontal arm.
- h_{14} : Vertical distance from the base to the top of the vertical structure.
- l_1 : Horizontal distance from the base to the end of the horizontal arm.
- l_2 : Horizontal distance from the base to the end of the vertical structure.
- l : Horizontal distance from the base to the end of the horizontal arm.
- x : Horizontal distance from the base to the end of the horizontal arm.
- y : Horizontal distance from the base to the end of the horizontal arm.
- 818 : Horizontal distance from the base to the end of the vertical structure.
- 170 : Horizontal distance from the base to the end of the vertical structure.

Labels and Features:

- m_1 : Mass of the main structure.
- m_2 : Mass of the horizontal arm.
- Q : Force applied to the horizontal arm.
- s : Distance from the base to the point of application of force Q .
- c : Horizontal distance from the base to the point of application of force Q .
- h_1 : Vertical distance from the base to the top of the main structure.
- h_2 : Vertical distance from the base to the top of the horizontal arm.
- h_3 : Vertical distance from the base to the top of the vertical structure.
- h_4 : Total vertical distance from the base to the top of the structure.
- h_8 : Vertical distance from the base to the top of the horizontal arm.
- h_{13} : Vertical distance from the base to the top of the horizontal arm.
- h_{14} : Vertical distance from the base to the top of the vertical structure.
- l_1 : Horizontal distance from the base to the end of the horizontal arm.
- l_2 : Horizontal distance from the base to the end of the vertical structure.
- l : Horizontal distance from the base to the end of the horizontal arm.
- x : Horizontal distance from the base to the end of the horizontal arm.
- y : Horizontal distance from the base to the end of the horizontal arm.
- 818 : Horizontal distance from the base to the end of the vertical structure.
- 170 : Horizontal distance from the base to the end of the vertical structure.



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EJC 110bi	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Mono Mast MM	1170 mm	1710 mm	1170 mm	1710 mm
	1510 mm	1970 mm	1510 mm	1970 mm
	1970 mm	2430 mm	1970 mm	2430 mm

VDI table

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich
	1.2	Manufacturer's type designation			EJC 110bi
	1.3	Drive type			electric
	1.4	Operation			Pedestrian/tiller
	1.5	Load capacity/load	Q	kg	1000
	1.6	Load centre distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	810
	1.9	Wheelbase	y	mm	1204
Weights	2.1.1	Service weight (incl. battery)		kg	515
	2.2	Axle load laden front/rear		kg	545 / 970
	2.3	Axle load unladen front/rear		kg	370 / 145
Wheels/chassis	3.1	Tyres			Polyurethane (PU)
	3.2	Tyre size, front			Ø 210 x 70
	3.3	Tyre size, rear			- / Ø 85 x 75
	3.4	Additional wheels			Ø 140x 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	992
	3.7.1	2. Tread width, rear		mm	1162
	3.7.2	3. Tread width, rear		mm	1362
Basic dimensions	4.2	Retracted mast height (h1)	h1	mm	1970
	4.3	Free lift (h2)	h2	mm	1510
	4.4	Lift (h3)	h3	mm	1510
	4.5	Extended mast height (h4)	h4	mm	1970
	4.9	Height of tiller handle in drive position min./max.	h14	mm	750 / 1260
	4.19	Total length	l1	mm	1714
	4.20	Length including fork shank	l2	mm	564
	4.21.1	total width	b1	mm	1098
	4.22	Fork dimensions	s/e/l	mm	60 x 178 x 1150
	4.25	Width across forks	b5	mm	535
	4.26	Width between support arms/loading areas	b4	mm	891
	4.32	Ground clearance centre of wheelbase	m2	mm	51
	4.34.1	Aisle width (pallet 1000x1200 sideways)	Ast	mm	1960
	4.34.2	Aisle width (pallet 800x1200 length)	Ast	mm	2010
	4.35	Turning radius	Wa	mm	1420
Performance data	5.1	Travel speed laden/unladen		km/h	5.3 / 5.3
	5.2	Lift speed laden/unladen		m/s	0.15 / 0.25
	5.3	Lowering speed laden/unladen		m/s	0.15 / 0.15
	5.7	Gradeability laden/unladen		%	6 / 10
	5.10	Service brake			generative

Electric motor/electronics	6.1	Drive motor, performance S2 60 min	kW	1
	6.2	Lift motor, performance with S3	kW	1.2
	6.3	Battery according to DIN 43531/35/36		no
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 50
	6.5	Battery weight	kg	24
	6.6.1	Energy consumption according to EN cycle	kWh/h	0.35
	6.6.2	CO2 equivalent according to EN ISO 23308	kg/h0	0.2
Other	8.1	Type of drive control		AC
	10.7	Sound pressure level according to EN12053	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.				

Values for MM 1540 mast (fixed lift carriage)

- VDI no. 1.8: for mast with fork carriage: x - 42 mm.
- VDI no. 4.3: for mast with fork carriage: h2 - 30 mm.
- VDI no. 4.4: for mast with fork carriage: h3 - 30 mm.
- VDI no. 4.5: for mast with fork carriage: h4 + 101 mm.
- VDI no. 4.19: for mast with fork carriage: l1 - 42 mm.
- VDI no. 4.20: for mast with fork carriage: l2 - 42 mm.
- VDI no. 4.21.1: support arm width b1 available in 3 dimensions: 1,098 / 1,268 / 1,468 mm.
- VDI no. 4.34.1: for version with b1 = 1,468 mm; diagonal as per VDI: aisle width + +398 mm: for mast with fork carriage: aisle width + 42 mm.
- VDI no. 4.34.2: diagonal as per VDI: aisle width + 169 mm: for mast with fork carriage: aisle width + 42 mm.

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**