



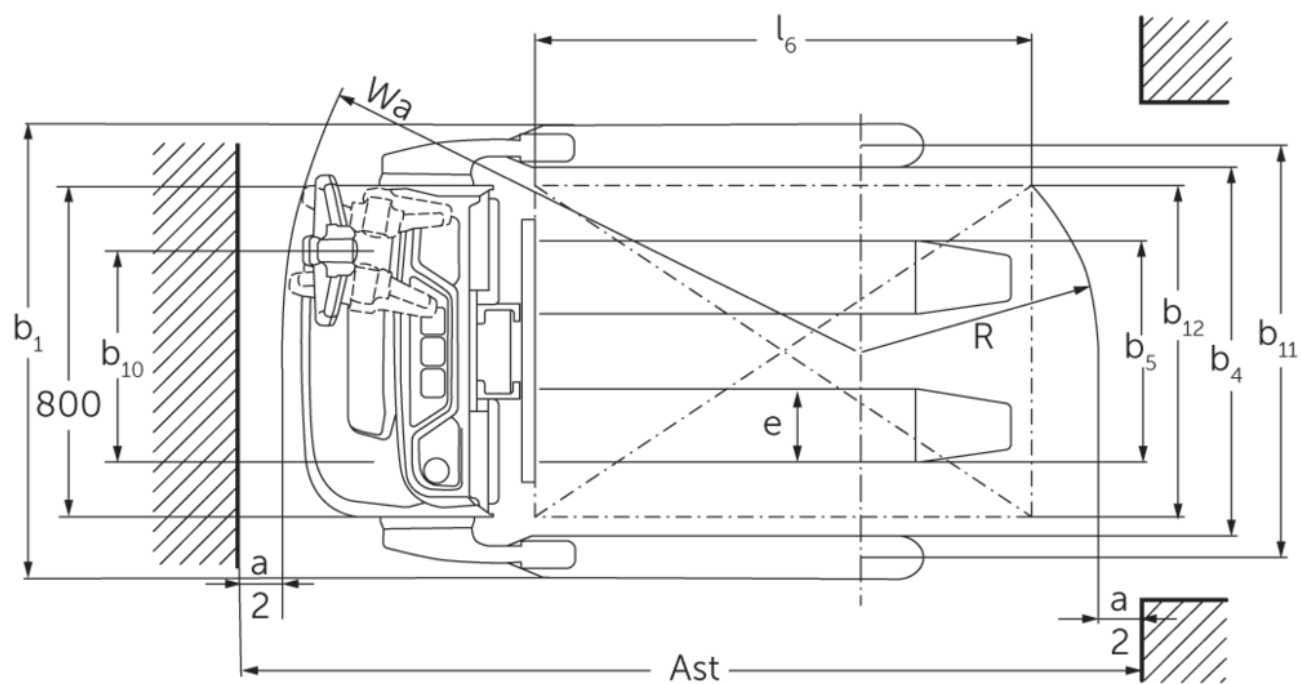
Electric pedestrian stacker **EJC 110bi**

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



The diagram illustrates a side profile of a person operating a machine. Key dimensions and parameters are labeled as follows:

- Vertical Dimensions:**
 - h_1 : Total height from ground to top of head.
 - h_2 : Height from ground to the level of the control lever.
 - h_3 : Height from ground to the top of the machine structure.
 - h_4 : Height from ground to the top of the machine structure.
 - h_8 : Height from ground to the center of mass of the lower body.
 - h_{13} : Height from ground to the base of the machine structure.
 - h_{14} : Height from the base of the machine structure to the control lever.
- Horizontal Dimensions:**
 - c : Horizontal distance from the vertical axis to the point where force Q is applied.
 - l : Horizontal distance from the vertical axis to the center of mass of the lower body.
 - x : Horizontal distance from the vertical axis to the point where force S is applied.
 - y : Horizontal distance from the base of the machine structure to the center of mass of the lower body.
 - l_1 : Total horizontal length of the machine structure.
 - l_2 : Horizontal distance from the base of the machine structure to the vertical axis.
- Masses and Forces:**
 - m_1 : Mass of the upper body.
 - m_2 : Mass of the lower body.
 - Q : Downward force applied at distance c .
 - S : Upward force applied at distance x .
- Other Labels:**
 - 170 : A specific horizontal dimension related to the base of the machine structure.
 - 818 : A specific vertical dimension related to the control lever.



EJC 110bi

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
Basic dimensions	3.7.2	3. Tread width, rear	mm	1362
	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
Performance data	4.35	Turning radius	Wa mm	1420
	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 as per EN 16796	kg/h	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**