

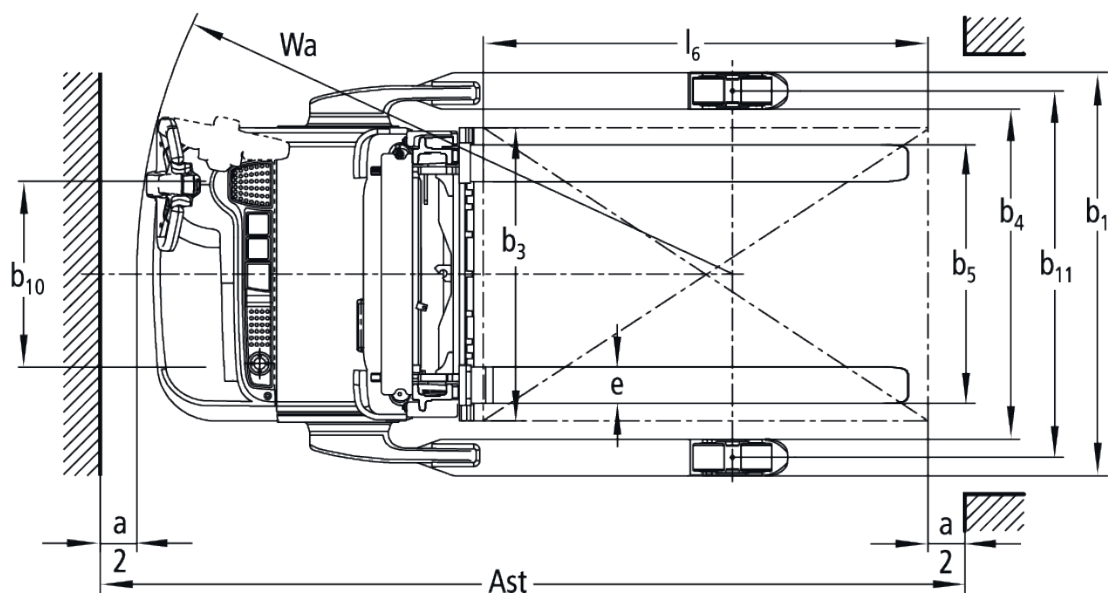


Electric pedestrian stacker **EJC B12 / B14 / B16 / B20**

Lift height: 2500-5350 mm / Load capacity: 1200-2000 kg

Technical diagram of a crane with various dimensions labeled. The diagram shows a side view of the crane with a vertical mast and a horizontal jib. Key dimensions include:

- h_4 : Total height from the ground to the top of the mast.
- h_1 : Height from the ground to the top of the operator's cab.
- h_{14} : Height from the ground to the top of the jib.
- 900 : Height from the ground to the top of the jib.
- 35 : Height from the ground to the base of the jib.
- h_2 : Height from the ground to the top of the jib.
- h_3 : Height from the ground to the top of the mast.
- h_{13} : Height from the ground to the top of the jib.
- c : Horizontal distance from the mast to the center of gravity of the jib.
- Q : Weight of the jib.
- l : Horizontal distance from the mast to the end of the jib.
- x : Horizontal distance from the mast to the center of gravity of the jib.
- m_1 : Mass of the mast.
- m_2 : Mass of the jib.
- l_2 : Horizontal distance from the mast to the end of the jib.
- 170 : Horizontal distance from the mast to the end of the jib.
- y : Horizontal distance from the mast to the end of the jib.
- 150 : Horizontal distance from the mast to the end of the jib.
- l_1 : Horizontal distance from the mast to the end of the jib.



EJC B12 / B14 / B16 / B20

EJC B12	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	2500 mm	1750 mm	100 mm	3070 mm
	2700 mm	1850 mm	100 mm	3270 mm
	2900 mm	1950 mm	100 mm	3470 mm
	3200 mm	2100 mm	100 mm	3770 mm
	3600 mm	2300 mm	100 mm	4170 mm
Duplex mast ZZ	2500 mm	1700 mm	1225 mm	3070 mm
	2900 mm	1900 mm	1425 mm	3470 mm
	3200 mm	2050 mm	1575 mm	3770 mm
	3600 mm	2250 mm	1775 mm	4170 mm
Triplex mast DZ	4300 mm	1915 mm	1430 mm	4870 mm
	4700 mm	2050 mm	1565 mm	5275 mm
EJC B14	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	2500 mm	1750 mm	100 mm	3070 mm
	2700 mm	1850 mm	100 mm	3270 mm
	2900 mm	1950 mm	100 mm	3470 mm
	3200 mm	2100 mm	100 mm	3770 mm
	3600 mm	2300 mm	100 mm	4170 mm
	4100 mm	2550 mm	100 mm	4670 mm
	4300 mm	2650 mm	100 mm	4870 mm
	4500 mm	2750 mm	100 mm	4975 mm
Duplex mast ZZ	2500 mm	1700 mm	1130 mm	3070 mm
	2900 mm	1900 mm	1330 mm	3470 mm
	3200 mm	2050 mm	1480 mm	3770 mm
	3600 mm	2250 mm	1680 mm	4170 mm
	4100 mm	2500 mm	1930 mm	4670 mm
	4300 mm	2600 mm	2030 mm	4870 mm
Triplex mast DZ	4090 mm	1830 mm	1260 mm	4660 mm
	4300 mm	1900 mm	1330 mm	4870 mm
	4690 mm	2030 mm	1460 mm	5260 mm
	5350 mm	2250 mm	1680 mm	5920 mm
EJC B16	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	2400 mm	1750 mm	100 mm	2970 mm
	2600 mm	1850 mm	100 mm	3170 mm
	2800 mm	1950 mm	100 mm	3370 mm
	3100 mm	2100 mm	100 mm	3670 mm
	3500 mm	2300 mm	100 mm	4070 mm
	3800 mm	2450 mm	100 mm	4370 mm
	4000 mm	2550 mm	100 mm	4570 mm
	4200 mm	2650 mm	100 mm	4770 mm
	4400 mm	2750 mm	100 mm	4925 mm
Duplex mast ZZ	2400 mm	1700 mm	1130 mm	2970 mm
	2800 mm	1900 mm	1330 mm	3370 mm
	3100 mm	2050 mm	1480 mm	3670 mm
	3500 mm	2250 mm	1680 mm	4070 mm
	4000 mm	2500 mm	1930 mm	4570 mm
	4200 mm	2600 mm	2030 mm	4770 mm
Triplex mast DZ	3990 mm	1830 mm	1260 mm	4560 mm

	4200 mm	1900 mm	1330 mm	4770 mm
	4590 mm	2030 mm	1460 mm	5160 mm
	5250 mm	2250 mm	1680 mm	5820 mm
EJC B20	Lift (h3)	Retracted mast height (h1)	Free lift (h2)	Extended mast height (h4)
Duplex mast ZT	2500 mm	1950 mm	100 mm	3210 mm
	2800 mm	2100 mm	100 mm	3510 mm
	3500 mm	2450 mm	100 mm	4210 mm
Duplex mast ZZ	2500 mm	1900 mm	1235 mm	3210 mm
	2800 mm	2050 mm	1385 mm	3510 mm
	3500 mm	2400 mm	1735 mm	4210 mm
Triplex mast DZ	3510 mm	1850 mm	1150 mm	4255 mm
	4200 mm	2080 mm	1380 mm	4945 mm
	4800 mm	2280 mm	1580 mm	5545 mm

VDI table

Stand-on: 07/2021

Characteristic	1.1	Manufacturer (abbreviated description)		Jungheinrich		
	1.2	Manufacturer's type designation		EJC B12	EJC B14	EJC B16
	1.3	Drive		Electric		
	1.4	Operation		Pedestrian		
	1.5	Load capacity/load	Q kg	1200	1400	1600
	1.6	Load centre distance	c mm	600		
	1.8	Load distance, centre of drive axle to fork	x mm	703	668	
	1.9	Wheelbase	y mm	1339	1409	
Weights	2.1.1	Service weight (incl. battery)	kg	1065	1146	
	2.2	Axle load laden front/rear	kg	800 / 1465	822 / 1724	828 / 1918
	2.3	Axle load unladen front/rear	kg	730 / 335	753 / 393	
Wheels/suspension system	3.1	Tyres		PU		
	3.2	Tyre size, front		Ø 230 x 70		
	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 ₁₀ mm	507		
	3.7	Tread width, rear	b ₁₁ 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)	h ₁ mm	1950		
	4.3	Free lift (h2)	h ₂ mm	100		
	4.4	Lift (h3)	h ₃ mm	2900	2800	
	4.5	Extended mast height (h4)	h ₄ mm	3470	3370	
	4.9	Height of tiller handle in drive position min./max.	mm	850 / 1305		
	4.15	Height, lowered	h ₁₃ mm	70		
	4.19	Overall length	l ₁ mm	1955	2060	
	4.20	Length including fork shank	l ₂ mm	805	910	
	4.21.1	Overall width	b ₁ mm	1100		
	4.21.2	Overall width	b ₂ mm	1470		
	4.22	Fork dimensions	s/e/ l mm	40 x 100 x 1150		
	4.23	Fork carriage connection class		2A		
	4.24	Fork carriage width	b ₃ mm	800		
	4.32	Ground clearance centre of wheelbase	m ₂ mm	50		
	4.34	Aisle width (pallet 1000x1200 sideways)	Ast mm	2197	2302	
	4.34.1	Aisle width (pallet 800x1200 length)	Ast mm	2247	2352	
	4.35	Turning radius	W _a mm	1550	1620	
Performance data	5.1	Travel speed laden/unladen	km/h	6 / 6		
	5.2	Lift speed laden/unladen	m/s	0.13 / 0.22	0.16 / 0.25	0.15 / 0.25
	5.3	Lowering speed laden/unladen	m/s	0.43 / 0.37	0.37 / 0.34	
	5.8	Max. gradeability laden/unladen	%	8 / 16		7 / 16
	5.10	Service brake		generative		

E-motor/Electronics	6.1	Drive motor, performance S2 60 min	kW	1	1.6	
	6.2	Lift motor, performance with S3	kW	2	3	
	6.3	Battery according to DIN 43531/35/36		3 PzB	3 PzS	
	6.4	Battery voltage/nominal capacity	V / Ah	24 / 300	24 / 375	
	6.5	Battery weight	kg	250	288	
	6.6.1	Energy consumption according to EN cycle	kWh/h	0.66	0.79	0.86
	6.6.2	CO2 equivalent as per EN 16796	kg/h	0.4		0.5
Other	8.1	Type of drive control		AC speedCONTROL		
	10.7	Sound level as per EN12053, operator's ear	dB (A)	63		
- 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.						

Characteristic	1.1	Manufacturer (abbreviated description)			Jungheinrich
	1.2	Manufacturer's type designation			EJC B20
	1.3	Drive			Electric
	1.4	Operation			Pedestrian
	1.5	Load capacity/load	Q	kg	2000
	1.6	Load centre distance	c	mm	600
	1.8	Load distance, centre of drive axle to fork	x	mm	668
	1.9	Wheelbase	y	mm	1409
Weights	2.1.1	Service weight (incl. battery)		kg	1322
	2.2	Axle load laden front/rear		kg	880 / 2442
	2.3	Axle load unladen front/rear		kg	850 / 472
Wheels/suspension system	3.1	Tyres			PU
	3.2	Tyre size, front			Ø 230 x 70
	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 ₁₀	mm	507
	3.7	Tread width, rear	b ₁₁	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)	h ₁	mm	2100
	4.3	Free lift (h2)	h ₂	mm	100
	4.4	Lift (h3)	h ₃	mm	2800
	4.5	Extended mast height (h4)	h ₄	mm	3477
	4.9	Height of tiller handle in drive position min./max.		mm	850 / 1305
	4.15	Height, lowered	h ₁₃	mm	70
	4.19	Overall length	l ₁	mm	2060
	4.20	Length including fork shank	l ₂	mm	910
	4.21.1	Overall width	b ₁	mm	1100
	4.21.2	Overall width	b ₂	mm	1470
	4.22	Fork dimensions	s/e/l	mm	50 x 140 x 1150
	4.23	Fork carriage connection class			2B

	4.24	Fork carriage width	b ₃	mm	800
	4.25	Width across forks	b ₅	mm	706
	4.32	Ground clearance centre of wheelbase	m ₂	mm	50
	4.34	Aisle width (pallet 1000x1200 sideways)	Ast	mm	2302
	4.34.1	Aisle width (pallet 800x1200 length)	Ast	mm	2352
	4.35	Turning radius	W _a	mm	1620
Performance data	5.1	Travel speed laden/unladen		km/h	6 / 6
	5.2	Lift speed laden/unladen		m/s	0.1 / 0.18
	5.3	Lowering speed laden/unladen		m/s	0.37 / 0.34
	5.8	Max. gradeability laden/unladen		%	5 / 16
	5.10	Service brake			generative
E-motor/Electronics	6.1	Drive motor, performance S2 60 min		kW	1.6
	6.2	Lift motor, performance with S3		kW	3
	6.3	Battery according to DIN 43531/35/36			3 PzS
	6.4	Battery voltage/nominal capacity		V / Ah	24 / 375
	6.5	Battery weight		kg	288
	6.6.1	Energy consumption according to EN cycle		kWh/h	0.92
	6.6.2	CO2 equivalent as per EN 16796		kg/h	0.5
Other	8.1	Type of drive control			AC speedCONTROL
	10.7	Sound level as per EN12053, operator's ear		dB (A)	63
- 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.					

- 1.2: Values for standard mast type 290 ZT; 280 ZT and with battery as per line 6.5 - 1.8: DZ: x -3 mm; l1 +3 mm; l2 +3 mm - 4.19: DZ: x -3 mm; l1 +3 mm; l2 +3 mm - 4.20: DZ: x -3 mm; l1 +3 mm; l2 +3 mm - 4.33: Diagonal as per VDI: Depending on tread width 203/203/259 mm - 4.34: Diagonal as per VDI: Depending on tread width 133/133/209 mm - 4.35: Tiller in upright position (crawl speed)

The German production facilities in
Norderstedt, Moosburg and Landsberg
are certified.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet
European safety requirements.



 **JUNGHEINRICH**