

**Powerful and economical
with maintenance free
3-phase AC drive motor**

**Sensitive lifting and lowering
from the tiller buttons through
adjustable hydraulic motor speed**

Efficient and quiet hydraulics

**High residual capacities
at high lift heights**

Effortless electric steering



EJC 212/214/216/220

Electric pedestrian stacker (1200, 1400, 1600 and 2000 kg)

The EJC range 2 pedestrian stackers are specially designed for increased productivity at high lift heights, high residual capacities and long operating times. With their narrow width of only 800 mm (EJC 220: 820 mm) they have the capability of manoeuvring safely and effortlessly in the most confined spaces with the tiller in the upright position.

A powerful 3-phase AC drive motor is an added bonus. Its excellent efficiency ensures high speed with good acceleration

in every application – the best basis for fast, efficient goods throughput.

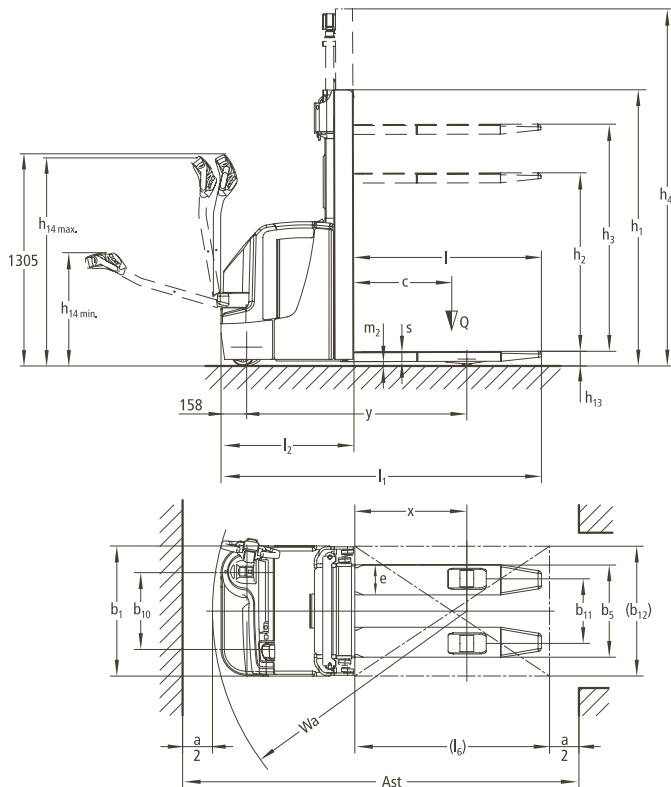
Other advantages as a result of the high specification lifting system:

- Exact and sensitive lifting of the load. This makes the stacking of heavy loads in narrow racking easy.
- Minimum noise during lifting.
- Higher lowering speed without load. The faster lowering of unladen forks, speeds up subsequent load pick-ups.

- Very soft depositing of load/forks on the floor or in the racking through proportional hydraulics.

The EJC 212/214/216/220 takes the required energy from batteries with capacities up to 375 Ah. An integrated charger (optional) provides easy and reliable charging at any 13 amp plug socket.

EJC 212/214/216/220



Standard mast types (mm)												
Designation	Closed height h_1^*	Free lift h_2	Lift height h_3	Extended height h_4	Closed height h_1^*	Free lift h_2	Lift height h_3	Extended height h_4	Closed height h_1^*	Free lift h_2	Lift height h_3	Extended height h_4
	EJC 212/214				EJC 216				EJC 220			
Two-stage mast ZT	1750	100	2500	2977	1750	100	2400	2927	1700	100	2500	2877
	1850	100	2700	3177	1850	100	2600	3127	–	–	–	–
	1950	100	2900	3377	1950	100	2800	3327	2050	100	2800	3277
	2100	100	3200	3677	2100	100	3100	3627	–	–	–	–
	2300	100	3600	4077	2300	100	3500	4027	2400	100	3500	3977
	–	–	–	–	2450	100	3800	4327	–	–	–	–
	2550	100	4100	4577	2550	100	4000	4527	–	–	–	–
	2650	100	4300	4777	2650	100	4200	4727	–	–	–	–
Two-stage mast ZZ	1700	1223	2500	2977	1700	1173	2400	2927	1700	1173	2500	2877
	1900	1423	2900	3377	1900	1373	2800	3327	2050	1423	2800	3277
	2050	1573	3200	3677	2050	1523	3100	3627	–	–	–	–
	2250	1773	3600	4077	2250	1723	3500	4027	2400	1773	3500	3977
	2500	2023	4100	4577	2500	1973	4000	4527	–	–	–	–
	2600	2123	4300	4777	2600	2073	4200	4727	–	–	–	–
Three-stage mast DZ	1830	1356	4090	4565	1830	1306	3990	4515	–	–	–	–
	1900	1426	4300	4775	1900	1376	4200	4725	–	–	–	–
	2030	1556	4700	5175	2030	1506	4600	5125	–	–	–	–
	2250	1776	5350	5825	2250	1726	5250	5775	–	–	–	–

* ZT mast: at 100 mm free lift

Technical Data in line with VDI 2198 as at: 10/2006

Identification	1.1	Manufacturer (abbreviation)	Jungheinrich	Jungheinrich	Jungheinrich	Jungheinrich	1.1	
	1.2	Manufacturer's type designation	EJC 212	EJC 214	EJC 216	EJC 220	1.2	
	1.3	Drive	electric	electric	electric	electric	1.3	
	1.4	Operator type	pedestrian	pedestrian	pedestrian	pedestrian	1.4	
	1.5	Load capacity/rated load	Q (t)	1.2	1.4	1.6	2.0	1.5
	1.6	Load centre distance	c (mm)	600	600	600	600	1.6
	1.8	Load distance, centre of drive axle to fork	x (mm)	689	689	689	689	1.8
	1.9	Wheelbase	y (mm)	1277/1357	1277/1357	1277/1357	1357	1.9
	Weights	2.1	Service weight incl. battery (see line 6.5)	kg	942 ¹⁾	952 ¹⁾	962 ¹⁾	1128
2.2		Axle loading, laden front/rear	kg	750/1392	760/1592	785/1777	938/2190	2.2
2.3		Axle loading, unladen front/rear	kg	665/277	670/282	675/287	690/438	2.3
Wheels, Chassis	3.1	Tyres	PU	PU	PU	PU	3.1	
	3.2	Tyre size, front	230 x 70	230 x 70	230 x 70	230 x 70	3.2	
	3.3	Tyre size, rear	85 x 110 ⁴⁾	85 x 110 ⁴⁾	85 x 110 ⁴⁾	85 x 85	3.3	
	3.4	Additional wheels (dimensions)	140 x 54	140 x 54	140 x 54	140 x 54	3.4	
	3.5	Wheels, number front/rear (x = driven wheels)	1x + 1/2	1x + 1/2	1x + 1/2	1x + 1/2	3.5	
	3.6	Tread, front	b ₁₀ (mm)	509	509	509	509	3.6
	3.7	Tread, rear	b ₁₁ (mm)	400	400	400	400	3.7
Basic Dimensions	4.2	Closed mast height	h ₁ (mm)	1750	1750	1750	2050	4.2
	4.3	Free lift	h ₂ (mm)	100	100	100	100	4.3
	4.4	Lift	h ₃ (mm)	2500	2500	2400	2800	4.4
	4.5	Height, mast extended	h ₄ (mm)	2981	2981	2931	3277	4.5
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	768/1298	768/1298	768/1298	768/1298	4.9
	4.15	Height, lowered	h ₁₃ (mm)	90	90	90	90	4.15
	4.19	Overall length	l ₁ (mm)	1896/1976	1896/1976	1896/1976	1976	4.19
	4.20	Length to face of forks	l ₂ (mm)	746/826 ⁵⁾	746/826 ⁵⁾	746/826 ⁵⁾	826	4.20
	4.21	Overall width	b ₁ /b ₂ (mm)	802/-	802/-	802/-	820	4.21
	4.22	Fork dimensions	s/e/l (mm)	56 x 185 x 1150	56 x 185 x 1150	61 x 185 x 1150	61 x 195 x 1150	4.22
	4.25	Distance between fork-arms	b ₅ (mm)	570	570	570	570	4.25
	4.31	Ground clearance, laden, below mast	m ₁ (mm)	30	30	30	20	4.31
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	30	30	30	20	4.32
	4.33	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	2149/2228 ³⁾	2149/2228 ³⁾	2149/2228 ³⁾	2443	4.33
	4.34	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	2199/2278 ²⁾	2199/2278 ²⁾	2199/2278 ²⁾	2416	4.34
4.35	Turning radius	Wa (mm)	1488/1567	1488/1567	1488/1567	1567	4.35	
Performance Data	5.1	Travel speed, laden/unladen	km/h	6.0/6.0	6.0/6.0	6.0/6.0	5.3/5.4	5.1
	5.2	Lift speed, laden/unladen	m/s	0.15/0.26	0.15/0.26	0.14/0.26	0.10/0.18	5.2
	5.3	Lowering speed, laden/unladen	m/s	0.40/0.40	0.40/0.40	0.40/0.40	0.40/0.40	5.3
	5.8	Max. gradeability, laden/unladen	%	8/16	8/16	7/16	5/16	5.8
	5.10	Service brake		regenerative	regenerative	regenerative	regenerative	5.10
E-Motor	6.1	Drive motor rating S ₂ 60 min.	kW	1.6	1.6	1.6	1.6	6.1
	6.2	Lift motor rating at S ₃ 10 %	kW	3.0	3.0	3.0	3.0	6.2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		3 EPzB	3 EPzB	3 EPzB	3 EPzS	6.3
	6.4	Battery voltage, nominal capacity K ₅	V/Ah	24/195	24/195	24/195	24/345	6.4
	6.5	Battery weight	kg	162	162	162	288	6.5
	6.6	Energy consumption acc. to VDI cycle	kWh/h	1.0	1.2	1.4	-	6.6
Others	8.1	Type of drive control		3-phase AC	3-phase AC	3-phase AC	3-phase AC	8.1
	8.4	Sound level at driver's ear according to DIN 12 053	dB(A)	70	70	70	70	8.4

1) with long chassis, incl. 345 Ah: +166 kg 4) 85 x 85 with tandem wheels
 2) non intrusive method (VDI 2198) +138 mm; DZ +45 mm 5) DZ +45 mm
 3) non intrusive method (VDI 2198) +215 mm; DZ +45 mm

Make use of the advantages

Maximum safety

- The 4-wheel EJC is very stable with its offset drive. This ensures safe and effortless manoeuvring, particularly during stacking and retrieval.
- High residual capacities are achieved with the torsion resistant, clear view mast. Giving high utilisation of all storage locations.
- The low mounted tiller reduces the risk of foot injuries due to a larger distance between operator and chassis. This means a safe distance to truck and load and therefore increased safety for the operator.
- The offset tiller provides excellent visibility past the load for fast, safe operation. The operator is secure within the truck contours during travel.
- Only authorised employees have access to the truck with CanCode (optional). The truck is activated by PIN instead of an ignition key.



High residual capacities promote truck versatility

- Constant travel speed on gradients. The advantage: No uncontrolled and dangerous roll-back.

Minimum operating costs

- Wear-free electro-magnetic brake.
- No carbon brushes – the drive motor is maintenance-free.

Special protection for electric components

- The encapsulation to IP protection class 54 reduces the susceptibility to humidity and dust, and increases the reliability of components and cables.

Highly productive product throughput

- 3-phase AC technology: Efficient goods throughput and fast working cycles are achieved due to powerful acceleration and high top speed. The weight of the load has virtually no effect on acceleration and maximum travel speed.
- Short lift times (even with full load) through compact 3 kW pump motor.
- Smooth depositing of pallets with automatic deceleration of lowering speed (optional).
- Control of all functions with the multi-function tiller head.
- Effortless steering, especially during manoeuvring with tiller in upright position, and crawl speed button via electric steering (optional).

Additional equipment

- ProTrac support wheel.
- Vertical load guard.
- Sideways battery removal.
- Cold store design.



Excellent visibility through slim mast

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