

Powerful, low-maintenance
AC drive motor

Proportional hydraulic controls allow for
precision placement of fragile loads

Lift heights up to 17 feet, with excellent
residual capacities

Easily maneuvered with the handle in
the vertical position by bypassing the
brake with the crawl-speed button



EJC B12-B16 / EJC 214-216

Electric Walkie Fork-Over And Straddle Stackers (2,600; 3,000; 3,500 lbs.)

The electric walkie stackers feature high residual capacity and are designed for medium- to heavy-duty, multi-level stacking applications.

The strong, 0.3 inch thick chassis and solid steel baselegs provide unmatched durability and strength for many years of dependable use. When combined with standard caster wheels, the well-engineered design ensures excellent stability and high residual lift capacities up to 213 inches.

Equipped with a powerful drive motor, the stacker can travel up to 3.7 mph even with a full load, while the impressive hydraulic motor effortlessly lifts rated loads to their full lift heights.

The long, low-mounted control handle maximizes the distance between the operator and the truck, ensuring a high degree of security for the user at all times during normal operation. If space is at a premium, the standard crawl-speed button allows for maneuvering in tight areas with the handle in the vertical position. To activate, simply depress the crawl-speed button and

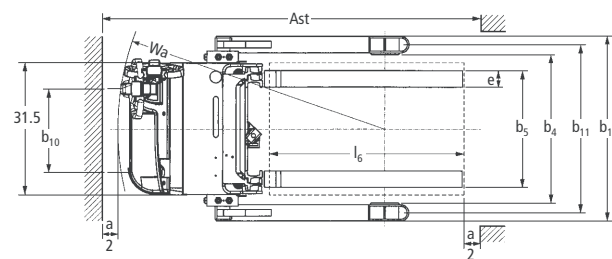
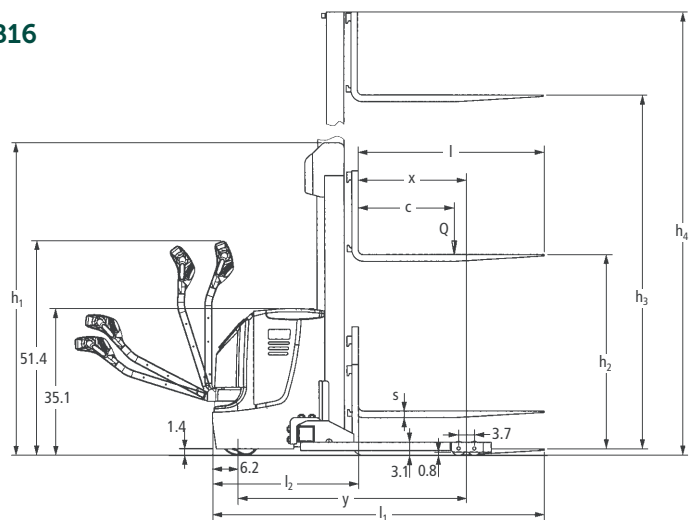
the brake is released automatically, allowing controlled travel at a reduced speed. The control handle is also side-mounted, providing improved visibility of the load from the operating position.

These walkie stackers are also equipped with proportional hydraulics as standard, allowing fragile goods to be precisely stacked and deposited gently on the floor or in racking. The operator can control all hydraulic functions with the multi-function control handle without having to reach to the chassis.

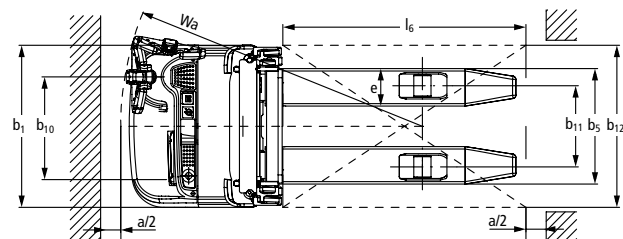
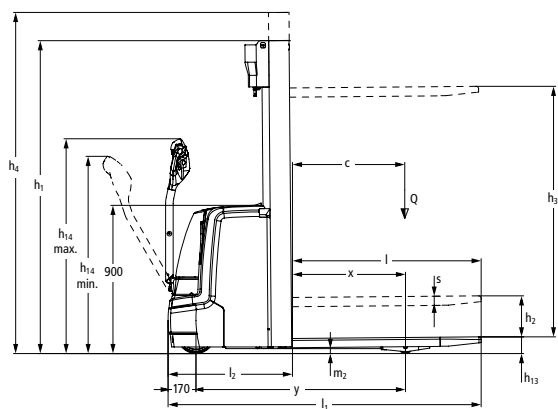
 **JUNGHEINRICH**
Machines. Ideas. Solutions.

EJC B12-B16 / EJC 214-216

EJC B12-B16



EJC 214-216



Mast Tables

	EJC B14/EJC 214								EJC B16/EJC 216							
	Maximum Fork Height (MFH)		Overall Lowered Height (OAL)		Free-Lift ¹		Overall Extended Height (OAE) ²		Maximum Fork Height (MFH)		Overall Lowered Height (OAL)		Free-Lift ¹		Overall Extended Height (OAE) ²	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
Simplex	101	2,570	69	1,750	4	100	149	3,790	97	2,470	69	1,750	4	100	146	3,690
	109	2,770	73	1,850	4	100	157	3,990	105	2,670	73	1,850	4	100	154	3,890
	117	2,970	77	1,950	4	100	165	4,200	113	2,870	77	1,950	4	100	162	4,100
	128	3,270	83	2,100	4	100	176	4,470	124	3,170	83	2,100	4	100	173	4,370
	144	3,670	91	2,300	4	100	192	4,890	140	3,570	91	2,300	4	100	189	4,790
									152	3,870	97	2,450	4	100	172	4,370
	164	4,170	101	2,550	4	100	212	5,390	160	4,070	101	2,550	4	100	209	5,290
	172	4,370	105	2,650	4	100	220	5,590	168	4,270	105	2,650	4	100	217	5,490
Duplex	101	2,570	67	1,700	19	483	149	3,780	97	2,470	67	1,700	19	482.6	145	3,680
	117	2,970	75	1,900	27	686	165	4,200	113	2,870	75	1,900	27	685.8	162	4,100
	128	3,270	81	2,050	33	838	176	4,470	124	3,170	81	2,050	33	838.2	173	4,370
	144	3,670	89	2,250	41	1040	192	4,890	140	3,570	89	2,250	41	1040	189	4,790
	164	4,170	99	2,500	51	1290	212	5,390	160	4,070	99	2,500	51	1290	209	5,290
	172	4,370	103	2,600	55	1390	220	5,590	168	4,270	103	2,600	55	1390	217	5,490
Triplex	163	4,160	72	1,830	24	6010	211	5,360	159	4,060	72	1,830	24	609.6	208	5,260
	172	4,370	75	1,900	27	686	220	5,590	168	4,270	75	1,900	27	685.8	217	5,490
	187	4,760	80	2,030	32	813	235	5,970	183	4,660	80	2,030	32	812.8	232	5,870
	213	5,420	89	2,250	41	1040	261	6,630	209	5,320	89	2,250	41	1040	258	6,530

*Overall Extended (OAE) and Free-Lift heights include 48" load backrest.

1. For EJC 214 and EJC 216 chassis, please add 10" on duplex and triplex mast measurement.

2. For EJC 214 and EJC 216 chassis, please subtract 10".

Technical Data

Characteristics	1.1	Manufacturer			Jungheinrich®		Jungheinrich®				
	1.2	Model			EJC B12		EJC B14				
	1.3	Drive			electric		electric				
	1.4	Type			walkie straddle stacker		walkie straddle stacker				
Weights	1.5	Load capacity / rated load	Q	lbs	kg	2,600	1,200	3,000	1,400		
	1.6	Load center distance	c	in	mm	24	600	24	600		
	1.9	Wheelbase	y	in	mm	52.7	1,339	55.5	1,409		
Wheels, Chassis	2.1	Service weight including battery (see line 6.5)			lbs	kg	2,350	1,065	2,527	1,146	
	2.2	Axle loading – loaded, front / rear			lbs	kg	1,745 / 3,205	800 / 1,465	1,785 / 3,742	822 / 1,724	
	2.3	Axle loading – unloaded, front / rear			lbs	kg	1,610 / 740	730 / 335	1,660 / 867	753 / 393	
	3.1	Tires			PU (polyurethane)		PU (polyurethane)				
	3.2	Tire size, drive			in	mm	9.1 x 2.8	230 x 70	9.1 x 2.8	230 x 70	
	3.3	Tire size, load			in	mm	3.3 x 3.0	85 x 75	3.3 x 3.0	85 x 75	
		Tire size, caster			in	mm	4.9 x 2.4	140 x 57	4.9 x 2.4	140 x 57	
	3.5	Wheels – number, drive / caster / load			1 / 1 / 4		1 / 1 / 4				
	4.2	Overall lowered height (OAL)			h ₁	in	mm	77	1,950	77	1,950
	4.3	Free-lift			h ₂	in	mm	4	100	4	100
Dimensions	4.4	Maximum fork height (MFH)			in	mm	117	2,970	117	2,970	
	4.5	Overall extended height (OAE)			h ₄	in	mm	165	4,200	165	4,200
	4.9	Handle height in drive position, minimum / maximum			h ₁₄	in	mm	33.5 / 51.4	850 / 1,305	33.5 / 51.4	850 / 1,305
	4.15	Lowered fork height			h ₁₃	in	mm	2.75	70	2.75	70
		Overall length, to tip of baseleg			in	mm	71.1	1,810	75.2	1,910	
	4.19	Overall length			l ₁	in	mm	77 ^{1) 2)}	1,955 ^{1) 2)}	81.1 ^{1) 2)}	2,060 ^{1) 2)}
	4.20	Length to fork face, headlength			l ₂	in	mm	31.7 ¹⁾	805 ¹⁾	35.8 ¹⁾	910 ¹⁾
		Overall baseleg width			b ₁	in	mm	43.3 / 50 / 57.9	1,100 / 1,270 / 1,470	43.3 / 50 / 57.9	1,100/1,270/1,470
	4.22	Fork dimensions, thickness / width			s / e	in	mm	1.6 / 3.9	40 / 100	1.6 / 3.9	40 / 100
		Overall chassis width			b ₂	in	mm	31.5	800	31.5	800
	4.25	Width across forks, minimum / maximum			b ₅	in	mm	12.4 / 27.8	316 / 706	12.4 / 27.8	316 / 706
		Fork carriage width			b ₃	in	mm	31.5	800	31.5	800
		Baseleg opening width (BLO)			b ₄	in	mm	35.4 / 42.1 / 50	900 / 1,070 / 1,270	35.4 / 42.1 / 50	900 / 1,070 / 1,270
	4.31	Ground clearance, under mast (loaded)			m ₁	in	mm	1.6	40	1.6	40
	4.32	Ground clearance, center of wheelbase			m ₂	in	mm	2	50	2	50
	Performance	4.33	Aisle width for right angle stack			Ast	in	mm	Please contact your local Jungheinrich dealer.		
4.35		Turning radius			Wa	in	mm	61	1,550	63.8	1,620
5.1		Travel speed, loaded / unloaded				mph	km/h	3.7 / 3.7	6.0 / 6.0	3.7 / 3.7	6.0 / 6.0
5.2		Lift speed, loaded / unloaded				ft / min	km/h	25.5 / 43.3	0.13 / 0.22	31.5 / 49.2	0.16 / 0.25
5.3		Lowering speed, loaded / unloaded				ft / min	m / s	84.6 / 72.8	0.43 / 0.37	72.8 / 67	0.37 / 0.34
Motors	5.7	Maximum gradeability, loaded / unloaded			%		8 / 16		8 / 16		
	5.10	Service brake					electro magnetic		electro magnetic		
	6.1	Drive motor (rating S ₂ 60 minutes)			hp / kW		1.3 / 1.0		2.1 / 1.6		
	6.2	Lift motor rating at S ₃ 15%			hp / kW		2.7 / 2.0		4.0 / 3.0		
	6.4	Battery voltage, maximum capacity (at 6 hour rate)			V / Ah		24 / 300		24 / 375		
	6.5	Battery weight, minimum / maximum			lbs	kg	523 / 580	237 / 263	536 / 742	243 / 336	
1) Using 77" OAL simplex mast, other masts may change value. 2) Using 41" (1,050 mm) long forks.											

EJC B12								
	Maximum Fork Height (MFH)		Overall Lowered Height (OAL)		Free-Lift ¹		Overall Extended Height (OAE) ²	
	in	mm	in	mm	in	mm	in	mm
Simplex	101	2,570	69	1,750	4	100	149	3,790
	109	2,770	73	1,850	4	100	157	3,990
	117	2,970	77	1,950	4	100	165	4,200
	128	3,270	83	2,100	4	100	176	4,470
	144	3,670	91	2,300	4	100	192	4,890
Duplex	101	2,570	67	1,700	19	482.6	149	3,780
	117	2,970	75	1,900	27	685.8	165	4,200
	128	3,270	81	2,050	33	838.2	176	4,470
	144	3,670	89	2,250	41	1,040	192	4,890
Tri.	172	4,370	76	1,915	28	711.2	220	5,590
	187	4,770	81	2,050	33	838.2	235	5,970
*Overall Extended (OAE) and Free-Lift heights include 48" load backrest.								

This specification sheet only provides technical values for the standard truck. Non-standard tires, different masts, additional equipment, etc., could produce other values.
Rights reserved for technical changes and improvements.

as of: 09/2012

Jungheinrich®		Jungheinrich®		Jungheinrich®		1.1
EJC 214		EJC B16		EJC 216		1.2
electric		electric		electric		1.3
walkie fork-over stacker		walkie straddle stacker		walkie fork-over stacker		1.4
3,000	1,400	3,500	1,600	3,500	1,600	1.5
24	600	24	600	24	600	1.6
50	1,277	55.5	1,409	50	1,277	1.9
2,390	1,084	2,527	1,146	2,400	1,089	2.1
1,755 / 3,635	809 / 1,675	1,817 / 4,210	828 / 1,918	1,920 / 3,980	810 / 1,679	2.2
1,659 / 731	752 / 332	1,660 / 867	753 / 393	1,667 / 734	756 / 333	2.3
PU (polyurethane)		PU (polyurethane)		PU (polyurethane)		3.1
9.1 x 2.8	230 x 70	9.1 x 2.8	230 x 70	9.1 x 2.8	230 x 70	3.2
3.3 x 4.3	85 x 110	3.3 x 3.0	85 x 75	3.3 x 4.3	85 x 110	3.3
4.9 x 2.4	140 x 57	4.9 x 2.4	140 x 57	4.9 x 2.4	140 x 57	
1 / 1 / 2		1 / 1 / 4		1 / 1 / 2		3.5
77	1,950	77	1,950	77	1,950	4.2
4	100	4	100	4	100	4.3
117	2,970	113	2,870	113	2,870	4.4
156	3,965	162	4,100	153	3,890	4.5
33.5 / 51.4	850 / 1,305	33.5 / 51.4	850 / 1,305	33.5 / 51.4	850 / 1,305	4.9
3.55	90	2.75	70	3.55	90	4.15
N / A	N / A	75.2	1,910	N / A	N / A	
75.1 ¹⁾	1,908 ¹⁾	81.1 ^{1) 2)}	2,060 ^{1) 2)}	75.1 ¹⁾	1,908 ¹⁾	4.19
29.9 ¹⁾	758 ¹⁾	35.8 ¹⁾	910 ¹⁾	29.9 ¹⁾	758 ¹⁾	4.20
N / A	N / A	43.3 / 50 / 57.9	1100/1270/1470	N / A	N / A	
2.2 / 7.3	56 / 185	1.6 / 3.9	40 / 100	2.2 / 7.3	56 / 185	4.22
31.5	800	31.5	800	31.5	800	
22.5	570	12.4 / 27.8	316 / 706	22.5	570	4.25
N / A	N / A	31.5	800	N / A	N / A	
7.9	200	35.4 / 42.1 / 50	900 / 1,070 / 1,270	7.9	200	
1.4	30	1.6	40	1.4	30	4.31
1.4	30	2	50	1.4	30	4.32
Please contact your local Jungheinrich dealer for information						4.33
59	1,488	63.8	1,620	59	1,488	4.35
3.7 / 3.7	6.0 / 6.0	3.7 / 3.7	6.0 / 6.0	3.7 / 3.7	6.0 / 6.0	5.1
31.5 / 49.2	0.16 / 0.25	29.5 / 49.2	0.15 / 0.25	31.5 / 49.2	0.16 / 0.25	5.2
72.8 / 67	0.37 / 0.34	72.8 / 67	0.37 / 0.34	72.8 / 67	0.37 / 0.34	5.3
8 / 16		7 / 16		7 / 16		5.7
electro magnetic		electro magnetic		electro magnetic		5.10
2.1 / 1.6		2.1 / 1.6		2.1 / 1.6		6.1
4.0 / 3.0		4.0 / 3.0		4.0 / 3.0		6.2
24 / 375		24 / 375		24 / 375		6.4
536 / 742	243 / 336	536 / 742	243 / 336	536 / 742	243 / 336	6.5



The Jungheinrich Advantage

Powerful operation and durable construction

The electric walkie stackers feature solid steel chassis components and powerful motors to provide years of dependable service.

- The powerful AC drive motor ensures the maximum speed of 3.7 mph is maintained, even with a full load.
- An impressive hydraulic motor provides fast lifting speeds of up to 31.5 ft./min. with a full load.
- Manufactured with a rugged chassis and a rigid mast, the forklift is well suited for the lifting of heavy loads and applications requiring high productivity.

Stable and customizable

The EJC B12 – EJC B16 lift trucks are fitted with a Class 2 fork carriage and optional adjustable baselegs, allowing the forklift to be easily adapted to different loads and applications.

The EJC 214 and EJC 216 lift trucks are fitted with fixed forks resting over the baselegs, yielding a narrower, more maneuverable chassis.

The electric walkie stackers also provide excellent travel stability due to the forklift's standard caster wheels, which maintain direct contact with the floor at all times.

Long operating times

- The large battery compartment accepts 24 volt industrial batteries up to 375 Ah.
- Battery changing is carried out through overhead battery extraction.

Convenient storage areas

- Pen tray, cup holder and clipboard are incorporated into the top of the chassis.

Secure, ergonomic operation

Operator security and ergonomic control features were of vital importance to the design process.

- All operating functions, including carriage lift and lower activation, are controlled through the multifunction control handle without having to reach to the chassis. As a result, the operator can fully concentrate on the stacking and retrieval of pallets.
- Precise lifting and lowering of fragile loads is achieved through proportional hydraulics.
- Long, low-mounted handle design keeps the operator a secure distance from the lift truck during normal operation and provides additional leverage for ease of steering.
- Crawl-speed button allows for forklift operation with the handle in the vertical position at a reduced speed, increasing the truck's ability to maneuver in restrictive space applications.
- Low operating noise.
- The standard load backrest helps prevent loose loads from falling toward the operator.
- Large, red emergency cut-off switch enables quick, intuitive shut down of the forklift in case of emergency.

Controlled travel

The Jungheinrich electronic impulse control (SpeedControl) facilitates smooth travel with adjustments for virtually every application.

- Desired travel speed is maintained in every situation, even on ramps and inclines.
- The forklift's maximum programmed travel speed (up to 3.7 mph) is possible when travelling with or without a load.
- Individually adjustable travel parameters (acceleration, minimum/maximum speed) ensure optimum adjustment to virtually every application.



Load bearing caster wheel provides excellent stability on flat or uneven floors.

Available options

- Two- and three-stage masts with lift heights up to 213 inches.
- Cold storage package for refrigeration and freezer applications.
- Keyless PIN code input for secure truck activation (CanCode).
- Battery discharge indicator with hour meter and service code display (CanDis).

Built in compliance with ANSI/ITSDF B56.1 design specifications* for Type E industrial trucks with Type E battery.

*In accordance to specifications in place at time of manufacture.

