

Extremely compact design – Ideal for narrow aisles and confined spaces thanks to small turning circle.

Efficient flow of hydraulic oil - optimum for use with basic attachments

Robust mast feature with high residual capacity

Intelligent Jungheinrich® control for maximum goods throughput

Minimized turning radius thanks to dual-motor front-wheel drive with sturdy gearboxes

Increased confidence with curveCONTROL

Curved overhead guard for optimum visibility



## **EFG BA 113 / 115 and EFG BC 325(k) - 330**

### **3/4-Wheel 48V Electric Counterbalanced Truck (2,500 - 6,000 lbs.)**

#### **The advantages of EFG BA**

If your warehouse has narrow aisles and little room to maneuver, you should now familiarize yourself with our BA series of electric forklift trucks. It offers trucks with competitively small aisle width in their class and is our perfect for light and mid-duty applications in confined spaces.

The electric forklift truck is ideal for the internal transport of goods including handling, transporting and stacking. But, of course, it also does its job flawlessly outdoors. No matter what the application: with 48-volt control system, it offers a great deal of flexibility for one or two-shift operation.

The dual-motor front-wheel drive helps ensure reliable traction on many surfaces. Thanks to robust mast quality

and counterweight, you can count on a high residual capacity when working despite its compact dimensions.

The electric forklift truck offers its operator a very good view of the forks, goods and obstacles as well as excellent all-round visibility – thanks to its optimized mast. In short: our BA series electric forklift truck is flexible, reliable and compact, making it suitable for practically every industry.

#### **Advantages of EFG BC**

The powerful and rock-solid EFG electric four-wheel counterbalance forklift trucks in the BC Series are perfectly suited to a wide range of transport and stacking tasks. With a capacity of up to 6,000 pounds and a high residual capacity of up to 16 feet,

they offer the optimum combination of stability and maneuverability.

A dual-motor front-wheel drive with sturdy gearboxes and smart control technology promises maximum performance with low consumption. The high-pivot steering axle helps ensure that the weight is evenly distributed across all four wheels and compensates for rough road surfaces – for maximum stability.

Our interpretation of a high-quality truck with an optimum price/performance ratio: stringent quality tests and robust components provide reliable operation and low wear at all times.

**JUNGHEINRICH®**

# Technical data

Characteristics					EFG BA 113		EFG BA 115		
	1	Capacity at rated load center	lb	kg	2,500	1,300	3,000	1,500	
	2	Capacity at load center – distance	in	mm	24	500	24	500	
	3	Power			electric		electric		
	4	Tire type – cushion, solid pneumatic			solid pneumatic		solid pneumatic		
5	Wheels (x = driven) number front / rear			2x/2		2x/2			
Dimensions	11	Maximum fork height*	in	mm	118	3,000	118	3,000	
	12	Free fork height*	in	mm	5.9	150	5.9	150	
	13	Forks – thickness x width x length	in	mm	1.4 x 3.4 x 45	35 x 100 x 1,150	1.6 x 3.4 x 45	40 x 100 x 1,150	
	14	Tilt forward / backward	deg		7° / 5°		7° / 5°		
	15	Length to fork face	l <sub>2</sub>	in	mm	68.2	1,732	72.0	1,830
	16	Standard width	b <sub>1</sub>	in	mm	39.0	990	39.0	990
	17	Height – with mast lowered	h <sub>1</sub>	in	mm	78.7	2,000	78.7	2,000
	18	Seat height to SIP	h <sub>7</sub>	in	mm	40.6	1,030	40.6	1,030
	19	Height to top of overhead guard	h <sub>6</sub>	in	mm	81.9	2,080	81.9	2,080
	20	Height with extended mast	h <sub>4</sub>	in	mm	140.0	3,555	140.0	3,555
	21	Minimum outside turning radius	Wa	in	mm	53.0	1,345	57.0	1,438
22	Load moment constant	x	in	mm	15.2	387	15.4	392	
23	Minimum aisle (90° stack) – must add load length and clearance **	Ast	in	mm	68.2	1,732	72.0	1,830	
Performance	24	Travel speed – loaded / empty	mph	km/h	7.8 / 7.8	12.5 / 12.5	7.8 / 7.8	12.5 / 12.5	
	25	Lift speed – loaded / empty	fpm	m/s	49.2 / 104.3	0.25 / 0.53	47.2 / 104.3	0.24 / 0.53	
	26	Lowering speed – loaded / empty	fpm	m/s	108.3 / 106.3	0.55 / 0.54	108.3 / 106.3	0.55 / 0.54	
	27	Drawbar pull (max.) – 60 min. rating loaded	lb-f	N	161	716	199	886	
		Drawbar pull (max.) – maximum – loaded / empty	lb-f	N	1,968 / 1,906	8,752 / 8,480	1,950 / 2,057	8,675 / 9,149	
28	Gradeability – maximum – loaded / empty	%		15 / 20		14 / 19			
Weight	29	Empty with minimum weight battery	lb	kg	6,713	3,045	7,101	3,221	
	30	Axle load with rated load – front	lb	kg	8,274	3,753	8,761	3,974	
		Axle load with rated load – rear	lb	kg	1,305	592	1,647	747	
		Axle load without load – front	lb	kg	3,135	1,422	3,267	1,482	
		Axle load without load – rear	lb	kg	3,578	1,623	3,834	1,739	
Chassis	31	Tire size – front, standard solid pneumatic tires			18 x 6-12/18		18 x 6-12/18		
		Tire size – rear solid pneumatic tires			140 / 55-9		140 / 55-9		
	32	Wheelbase	y	in	mm	44.5	1,156	49.2	1,249
	33	Tread width – front, std. solid pneumatic tires	b <sub>10</sub>	in	mm	33.0	838	33.0	838
	34	Tread width – rear, std. solid pneumatic tires	b <sub>11</sub>	in	mm	8.3	211	8.3	211
	35	Ground clearance – at lowest point of mast		in	mm	3.8	97	3.8	97
	36	Ground clearance – at center of wheelbase		in	mm	3	88	3	88
	37	Service brakes		in	mm	mechanical / hydraulic		mechanical / hydraulic	
38	Parking brakes		in	mm	mechanical		mechanical		
Powertrain	39	Battery – dimensions (length x width x height)	in		16.30 x 32.68 x 24.69		20.55 x 32.68 x 24.69		
	40	Battery – nominal capacity at 6 hr. discharge rate	V/Ah	kWh	48 / 375	30	48 / 500	36	
	41	Battery – weight, minimum / maximum	lb	kg	1,173 / 1,296	532 / 588	1,519 / 1,678	689 / 761	
	42	Motors – traction output (60 min. rating)	HP	kW	5.0	3.7	5.0	3.7	
	44	Drive controls	type		impulse / AC		impulse / AC		
	46	Flow rate for attachments	gpm	lpm	6.3	24	10.8	41	
	47	Relief pressure – for attachments at auxiliary	psi	bar	3,336	230	3,336	230	
	48	Noise level – mean value at operator's ear	dB(A)		72		72		
	49	CO <sub>2</sub> equivalent as per EN 16796	kg/h		1.8		1.9		
	50	Turnover output according to VDI 2198	US t/h	t/h	95	86	107	97	
51	Energy consumption with maximum throughput	kWh/h		3.33		3.64			

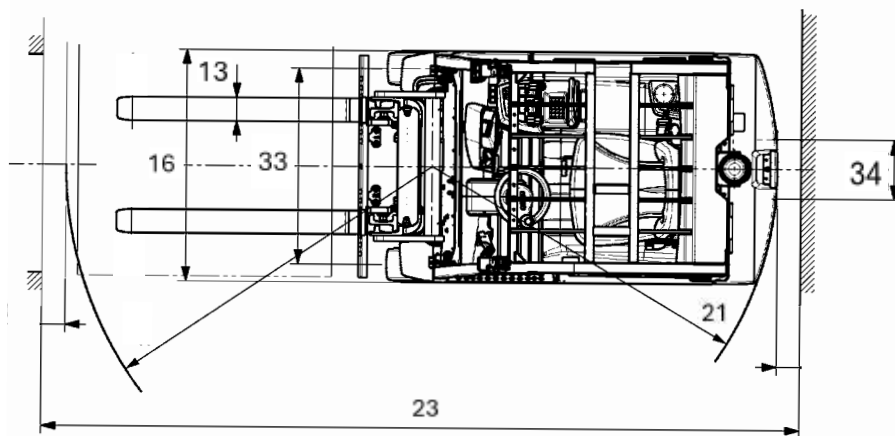
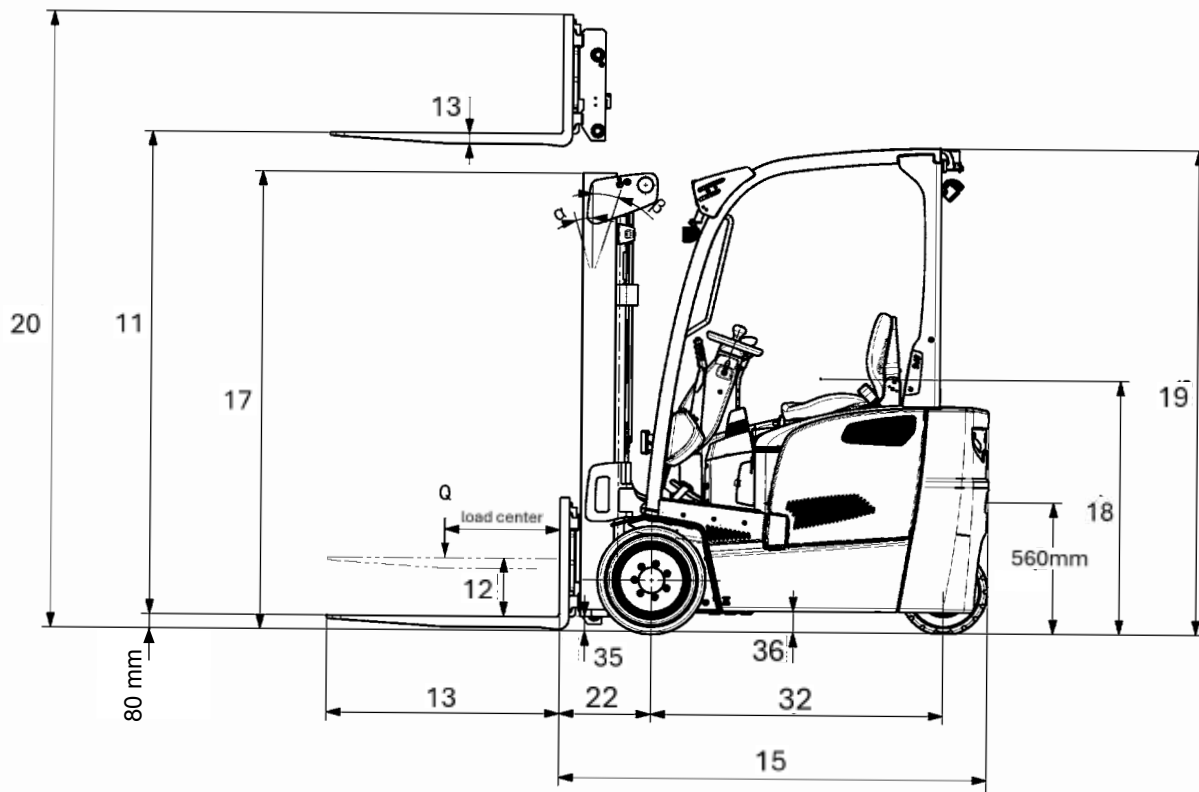
\*Lift with standard two-stage mast

\*\* Without a load, add fork length and safe clearance

This specification sheet only provides technical values for the standard truck. Non-standard tires, different masts, different axle widths, additional equipment, etc. could produce other values.  
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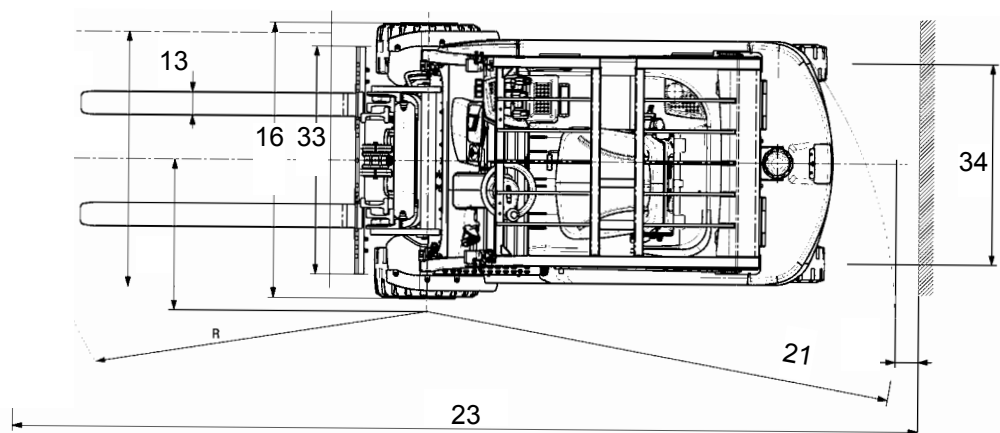
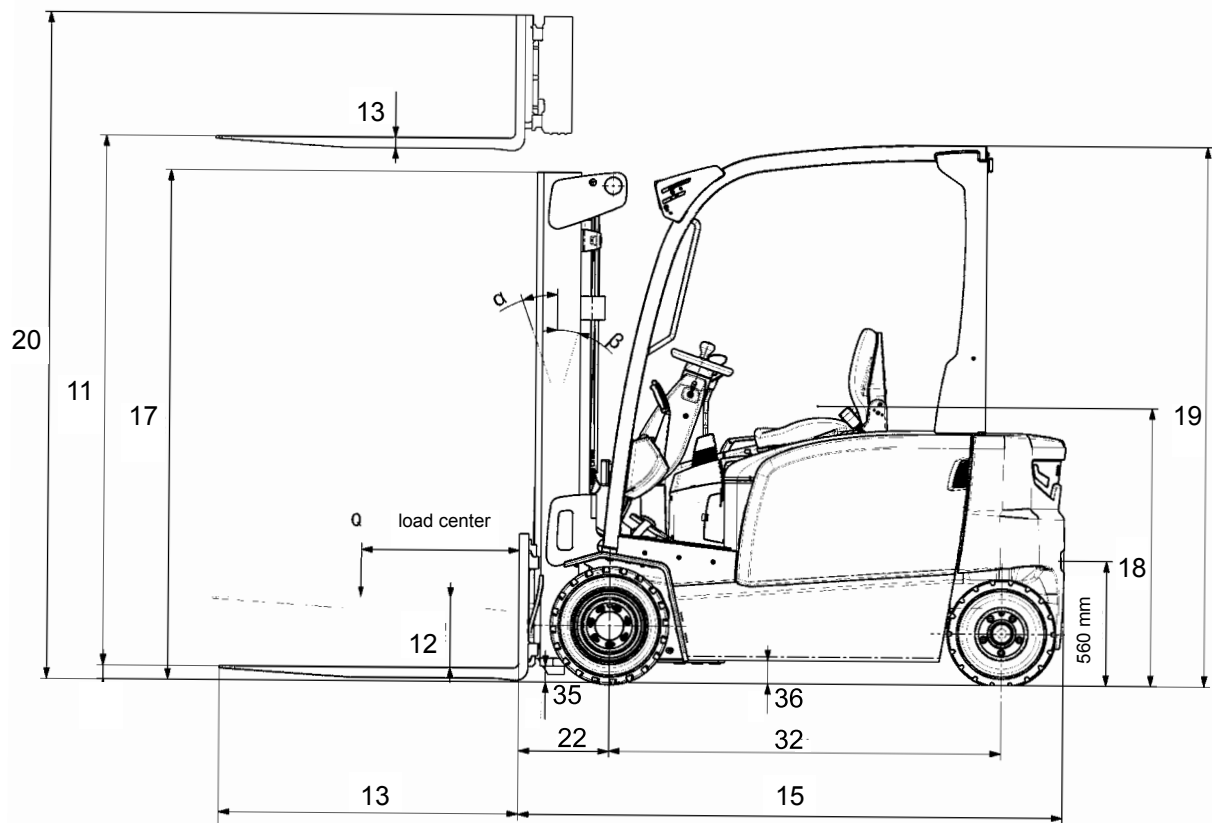
	EFG BC 325k		EFG BC 325		EFG BC 330	
1	5,000	2,500	5,000	2,500	6,000	3,000
2	24	500	24	500	24	500
3	electric		electric		electric	
4	solid pneumatic		solid pneumatic		solid pneumatic	
5	2x / 2		2x / 2		2x / 2	
11	122	3,100	122	3,100	122	3,100
12	5.9	150	5.9	150	5.9	150
13	1.6 x 3.4 x 45	40 x 100 x 1,150	1.6 x 3.4 x 45	40 x 100 x 1,150	1.8 x 4.9 x 45	45 x 125 x 1,150
14	7° / 5°		7° / 5°		7° / 5°	
15	87.1	2,213	91.4	2,321	97.2	2,469
16	46.1	1,170	46.1	1,170	51.7	1,313
17	86.6	2,200	86.6	2,200	86.6	2,200
18	40.6	1,030	40.6	1,030	40.6	1,030
19	81.9	2,080	81.9	2,080	81.9	2,080
20	145.7	3,700	145.7	3,700	151.6	3,850
21	76.0	1,940	81.0	2,060	88.0	2,225
22	18.4	467	18.4	467	18.6	472
23	94.8	2,407	99.5	2,527	106.2	2,697
24	10.6 / 10.6	17 / 17	10.6 / 10.6	17 / 17	10.6 / 10.6	17 / 17
25	78.7 / 98.4	0.40 / 0.50	78.7 / 98.4	0.40 / 0.50	59.0 / 63.0	0.30 / 0.32
26	100.3 / 108.3	0.51 / 0.55	100.3 / 108.3	0.51 / 0.55	100.3 / 108.3	0.51 / 0.55
27	540 / 540	2,400 / 2,400	540 / 540	2,400 / 2,400	517 / 517	2,300 / 2,300
	1,956 / 3,147	8,700 / 14,000	1,956 / 3,147	8,700 / 14,000	3,102 / 3,282	13,800 / 14,600
28	16 / 22		16 / 22		15 / 22	
29	9,592	4,351	9,819	4,454	10,454	4,742
30	13,594	6,166	13,799	6,259	15,362	6,968
	1,510	685	1,532	695	1,706	774
	4,041	1,833	4,321	1,960	4,905	2,225
	5,551	2,518	5,498	2,494	5,549	2,517
31	18 x 9-12		18 x 9-12		Tandem, 18 x 5 & 6-12(1/8)	
	16 x 6-10 (1/2)		16 x 6-10 (1/2)		16 x 7-10 (1/2)	
32	57.2	1,453	61.5	1,561	66.9	1,700
33	36.9	938	36.9	938	39.9	1,013
34	34.0	864	34.0	864	39.2	995
35	3.8	97	3.8	97	3.8	97
36	3	88	3	88	3	88
37	mechanical / hydraulic		mechanical / hydraulic		mechanical / hydraulic	
38	mechanical		mechanical		mechanical	
39	24.80 x 32.68 x 24.69		29.06 x 32.68 x 24.69		29.06 x 32.68 x 24.69	
40	48 / 625	30	48 / 750	36	48 / 750	36
41	1,792 / 1,982	813 / 899	2,121 / 2,346	962 / 1,064	2,121 / 2,346	962 / 1,064
42	6.2	4.6	6.2	4.6	6.2	4.6
44	impulse / AC		impulse / AC		impulse / AC	
46	10.8	41	10.8	41	10.8	41
47	3,336	230	3,336	230	3,336	230
48	78		78		78	
49	3.1		3.1		3.7	
50	190	172	190	172	216	196
51	8.84		8.84		7.71	

# EFG BA 113 / 115



Note: Equipping this model (these models) with a power source (e.g. Lithium-ion, Hydrogen Fuel cell, etc.) that has not been previously approved by the factory is considered a modification. Per OSHA 1910.178 and ANSI/ITSDF B56.1, please consult with your factory representative prior to installing any non-OEM power source that has not been previously approved.

# EFG BC 325k-330







# The Jungheinrich Advantage - EFG BA



## Efficiency

Maximum performance with low energy consumption.

Our proven AC technology makes your EFG BA electric forklift truck the ideal helper for daily shift work, and with a long service life.

### Energy-efficient operation

- Energy recovery with regenerative braking.
- Proven AC technology: high performance with low energy consumption.
- Optimized energy efficiency for longer operating times.
- Minimized turning radius thanks to dual-motor front-wheel drive.

### Low maintenance and long-lasting

- Maintenance-free drive motor.
- Long service life even in dusty and humid conditions.
- Excellent service accessibility.



## Control

For maximum protection for a wide variety of applications.

Solutions that can help provide confidence in daily operations.

### Intelligent and reliable

- Available as standard, curveCONTROL automatically reduces speed when cornering.
- Deactivation of the drive and hydraulic functions if the seat is unoccupied.
- The truck's low centre of gravity, combined with the stable mast profile, helps ensure a high residual capacity.

### Optimum design and visibility.

- Reliable data transfer between electronic components via interface.
- Sturdy frame design for optimum truck stability.
- Mast and fork carrier allow a clear view of the load and the travel route.
- IPX5 protection rating for the entire truck.

### Additional functions

- Optional driveCONTROL controls the speed from a defined lift height.
- Maintenance-free wet disc brake with high reliability and low service costs.
- Seat belt with contact switch.
- LED work light provides the best orientation in dark areas.
- Optional strobe light with various modes.
- Optional floor-Spot to warn pedestrians in the vicinity.



## Individuality

Your electric forklift truck – just the way you need it.

No matter what industry you are in: with the EFG BA electric forklift truck, you can count on well thought-out functions, striking design and proven quality from Jungheinrich.

### Space-saving and compact design

- Compact dimensions and a minimized turning radius enable operation in very confined spaces.
- Sturdy frame design offers optimum truck stability.
- Mast and fork carrier allow a clear view of the load and the travel route.
- The truck's low center of gravity, combined with the stable mast profile, helps ensure a high residual capacity.

### Various equipment options

- Optional comprehensive warning package with strobe light, warning zone lights and acoustic warning signal.

### Parts when you need them

- Jungheinrich's Parts Fast or Parts Free Guarantee ensures next-business-day delivery by 5:00 PM of all Jungheinrich parts in the United States, or they're free, including freight. For customers in Canada and Mexico, the guarantee ensures shipping of parts within 24 hours from the time the order was placed by the dealer. See your local Jungheinrich dealer for program details.

# The Jungheinrich Advantage - EFG BC



## Efficiency

Maximum performance with the most efficient trucks.

Proven AC technology keeps your EFG going. Benefit from high performance with constantly low energy consumption.

### Energy-efficient operation

- Proven AC technology for high performance with low energy consumption.
- Long operating times thanks to optimized energy efficiency.
- Energy recovery through regenerative braking.
- Jungheinrich control for excellent acceleration, optimum travel and lift speed as well as maximum throughput.

### Maintenance-free dual motors

- Minimized turning radius and reduced tire wear thanks to dual- motor front-wheel drive with sturdy gearboxes.
- Long service life even in dusty and humid environments.
- Fully enclosed and protected up to IP54.
- High torque for rapid work cycles.



## Control

Best conditions for working safely.

Intelligent assistance systems and various awareness options such as automatic speed reduction when cornering or from a certain lift height increase efficiency in the warehouse.

### Comfortable and safe operation

- curveCONTROL for automatic speed reduction when cornering.
- Deactivation of the drive and hydraulic functions if seat is unoccupied.
- High residual capacity thanks to truck's low centre of gravity in combination with the stable mast profile.
- Reliable data transfer between electronic components via interface.
- IPX5 protection rating for the entire truck.

### Additional functions

- Optional floor-Spot for warning pedestrians in the vicinity.
- Optional strobe light with various modes.
- Seat belt with contact switch.
- Maintenance-free wet disc brake with high reliability and low service costs.
- Optional driveCONTROL controls the travel speed from a defined lift height.



## Individuality

A truck as individual as your business.

Striking design, robust functions and proven quality: with our EFG BC electric forklift truck, you are choosing a truck that impresses with maximum performance and the utmost flexibility.

### Strong and concise design

- Sturdy frame design for optimum truck stability.
- Mast and fork carrier allow a clear view of the load and the travel route.
- LED work light provides the best orientation in dark areas and reduces maintenance costs.
- The compact design and the minimized turning radius of the truck enable operation in very confined spaces.

### Various equipment options

- Comprehensive warning package with strobe light, warning zone lights and acoustic warning signal.

### Parts when you need them

- Jungheinrich's Parts Fast or Parts Free Guarantee ensures next-business-day delivery by 5:00 PM of all Jungheinrich parts in the United States, or they're free, including freight. For customers in Canada and Mexico, the guarantee ensures shipping of parts within 24 hours from the time the order was placed by the dealer. See your local Jungheinrich dealer for program details.

\*\*The product shown may be different than the actual configuration based on market requirements.