

Compact & powerful with Jungheinrich-produced Li-ion battery.

Better use of space possible in the warehouse (narrower work aisles).

High speed and residual capacity for more efficiency.

Intelligent stacking assistance systems.

Smart ergonomic features for fatigue-free operation.



ERC 214i-216i (Fork Over) / ERC 214bi-216bi (Straddle)

Electric Ride-On Stacker (3,000 - 3,500 lbs.)

The powerful ERCi electric stacker truck is equipped with lithium-ion technology as standard – for a revolutionary, extremely compact truck design. This maneuverable truck is versatile and designed for secure stacking and retrieval operations at heights of up to 236 in. It can transport goods over medium to long distances and is suitable for order picking.

Efficiency is maximized by high travel speeds, rapid acceleration and outstanding residual capacity. Stacking assistance systems (optional) allow for simple load handling. An ergonomic ride is supported by the stable, cushioned stand-on platform and smartPILOT with automatic centering, which enables one-handed truck control.

Thanks to good visibility through the mast and the panoramic window (optional) in the overhead guard, the operator has a great view during the stacking process. Available with many options and additional equipment.

 **JUNGHEINRICH®**

Technical data

Characteristics	1.1	Manufacturer			Jungheinrich		Jungheinrich		
	1.2	Model			ERC 214i		ERC 216i		
	1.3	Drive			electric		electric		
	1.4	Type of operation			Operator platform (fork over)		Operator platform (fork over)		
	1.5	Load capacity / rated load	Q	lbs	kg	3,086	1,400	3,527	1,600
	1.6	Rated load center	c	in	mm	24.0	600	24.0	600
	1.8	Load distance	x	in	mm	27.3	694	27.3	694
	1.9	Wheelbase	y	in	mm	51.5	1,308	51.5	1,308
	Weights	2.1	Service weight (without battery)		lbs	kg	3,241	1,470	3,263
2.2		Axle loading – loaded, front / rear		lbs	kg	2,635 / 3,693	1,195 / 1,675	2,688 / 4,123	1,210 / 1,870
2.3		Axle loading – unloaded, front / rear		lbs	kg	2,392 / 849	1,085 / 385	2,403 / 860	1,090 / 390
Chassis	3.1	Tires			Polyurethane (PU)		Polyurethane (PU)		
	3.2	Tire size - drive		mm	Ø 230 x 77		Ø 230 x 77		
	3.3	Tire size - load		mm	Ø 85 x 75		Ø 85 x 75		
	3.4	Tire size - caster		mm	Ø 140 x 57		Ø 140 x 57		
	3.5	Wheels – number, drive / caster / load			1 / 1 / 4		1 / 1 / 4		
	3.6	Track width, drive side	b ₁₀	in	mm	21.1	535	21.1	535
	3.7	Track width, load side	b ₁₁	in	mm	15.7	400	15.7	400
Dimensions	4.2	Mast height (lowered)	h ₁	in	mm	90.6	2,300	90.6	2,300
	4.3	Free-lift	h ₂	in	mm	69.6	1,768	67.6	1,718
	4.4	Maximum fork height from ground (MFH)	h ₃	in	mm	214.2	5,440	210.2	5,340
	4.5	Overall extended height (OAE)	h ₄	in	mm	231.6	5,882	229.6	5,832
	4.7	Height of overhead guard	h ₆	in	mm	90.6	2,300	90.6	2,300
	4.9	Tiller height in drive position – minimum / maximum	h ₁₄	in	mm	46.7 / 49.0	1,185 / 1,245	46.7 / 49.0	1,185 / 1,245
	4.15	Lowered fork height	h ₁₃	in	mm	3.5	90	3.5	90
	4.19	Overall length	l ₁	in	mm	94.1	2,389	94.1	2,389
	4.20	Length to fork face	l ₂	in	mm	48.8	1,239	48.8	1,239
	4.21	Overall chassis width	b ₁	in	mm	31.5	800	31.5	800
	4.22	Fork dimensions - thickness / width	s / e / l	in	mm	2.2 / 7.3 / 45.3	56 / 185 / 1,150	2.2 / 7.3 / 45.3	56 / 185 / 1,150
	4.25	Width across forks	b ₅	in	mm	22.4	570	22.4	570
	4.32	Ground clearance – center of wheelbase	m ₂	in	mm	1.0	26	1.0	26
	4.33	Aisle width for pallets 48": x 40" lengthwise	Ast	in	mm	105.2	2,672	105.2	2,672
	4.34	Aisle width for pallets 40" x 48" pallets crossways	Ast	in	mm	97.2	2,469	97.2	2,469
4.35	Minimum outside turning radius	Wa	in	mm	76.7	1,947	76.7	1,947	
Performance	5.1	Travel speed – loaded / unloaded (drivePLUS)		mph	kph	4.3 / 4.3 (5.6 / 7.5)	7.0 / 7.0 (9.0 / 12.0)	4.3 / 4.3 (5.6 / 7.5)	7.0 / 7.0 (9.0 / 12.0)
	5.2	Lift speed – loaded / unloaded		ft / min	m / s	37.4 / 68.9	0.19 / 0.35	37.4 / 68.9	0.19 / 0.35
	5.3	Lowering speed – loaded / unloaded		ft / min	m / s	84.6 / 96.5	0.43 / 0.49	84.6 / 96.5	0.43 / 0.49
	5.8	Maximum gradeability – loaded / unloaded (drivePLUS)		%		8 / 16		8 / 16	
	5.10	Service brake				regenerative		regenerative	
Motors	6.1	Drive motor, (rating 60 minutes).		HP	kW	4.3	3.2	4.3	3.2
	6.2	Lift motor, rating at S ₃		HP	kW	4.0	3.0	4.0	3.0
	6.4	Battery voltage / nominal		V	Ah	24	260	24	260
	6.5	Integrated battery weight		lb	kg	216	98	216	98
	6.6.1	Energy consumption according to EN cycle (max throughput)		kWh/h		0.96 (2.31)		0.96 (2.31)	
	6.6.2	CO ₂ equivalent as per EN 16796		kg/h		0.5		0.5	
	6.7	Turnover output according to VDI 2198		US t/h	t/h	91.5	83	91.5	83
Other	8.1	Type of drive control			AC		AC		
	10.7	Sound level as per EN12053, operator's ear		dB (A)		68		68	

The values in the table apply for the 260-Ah Li-ion battery, Triplex 214" / 210" masts, fork length 1,150mm, with overhead guard, without bumper.

- Row 1.8: with simplex mast: x + 32 mm
- Row 4.19: with simplex mast: l1 - 32 mm
- Row 4.20: with simplex mast: l2 - 32 mm
- Row 4.21: only for straddle version, dependent on tread width selection: 1,100 / 1,270 / 1,470 mm
- Row 4.24: only for straddle version, available fork carrier widths: ISO 2A 800 / 975 mm
- Row 4.34.1: includes 8 inches (200 mm) safe clearance; with simplex mast: aisle width - 32 mm
- Row 4.34.2: includes 8 inches (200 mm) safe clearance; with simplex mast: aisle width - 32 mm
- Row 6.2: with S3 = 11%
- Row 6.5: with 130-Ah battery = 76 kg

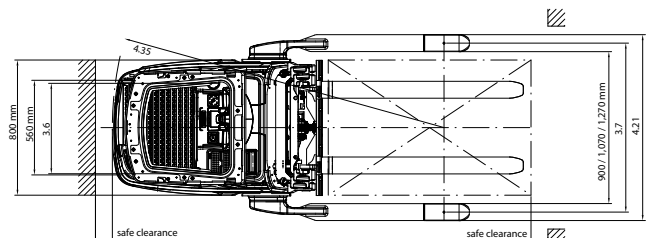
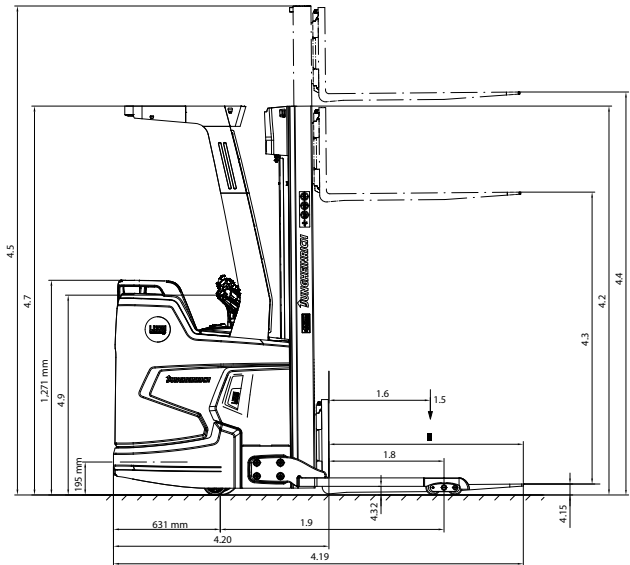
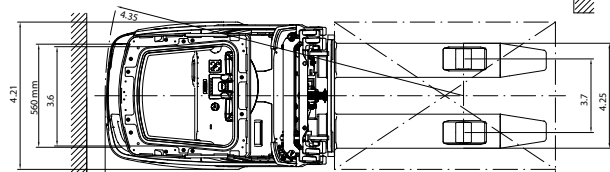
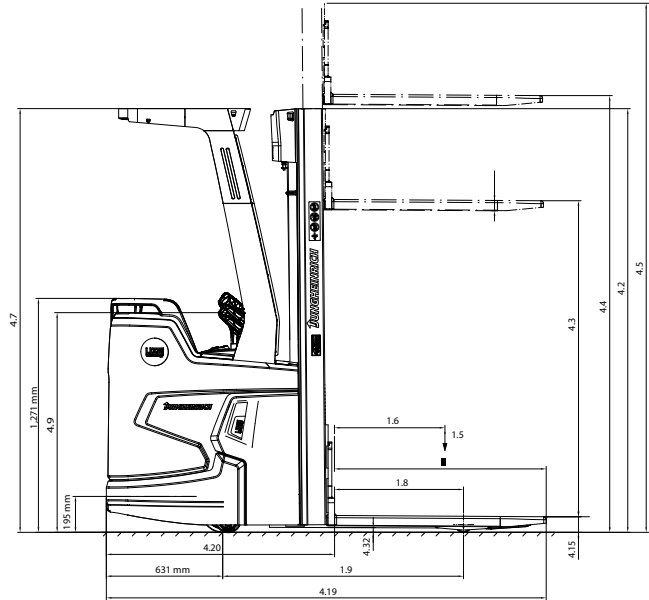
This specification sheet only provides technical values for the standard truck. Non-standard tires, different masts, additional equipment, etc., could produce other values. Rights reserved for technical changes and improvements.

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as of: 10/2025

ERC 214i/216i (Fork Over) / ERC 214bi/216bi (Straddle)

1.1	Jungheinrich		Jungheinrich	
1.2	ERC214bi		ERC 216bi	
1.3	electric		electric	
1.4	Operator platform (straddle)		Operator platform (straddle)	
1.5	3,086	1,400	3,527	1,600
1.6	24.0	600	24.0	600
1.8	26.8	681	26.8	681
1.9	52.1	1,324	52.1	1,324
2.1	3,307	1,500	3,329	1,510
2.2	2,679 / 3,715	1,215 / 1,685	2,712 / 4,145	1,230 / 1,880
2.3	2,524 / 783	1,145 / 355	2,535 / 794	1,090 / 390
3.1	Polyurethane (PU)		Polyurethane (PU)	
3.2	Ø 230 x 77		Ø 230 x 77	
3.3	Ø 85 x 75		Ø 85 x 75	
3.4	Ø 140 x 57		Ø 140 x 57	
3.5	1 / 1 / 4		1 / 1 / 4	
3.6	21.1	535	21.1	535
3.7	39.4 / 46.1 / 54.0	1,0000 / 1,170 / 1,370	39.4 / 46.1 / 54.0	1,0000 / 1,170 / 1,370
4.2	90.6	2,300	90.6	2,300
4.3	69.6	1,768	67.6	1,718
4.4	214.2	5,440	210.2	5,340
4.5	231.6	5,882	229.6	5,832
4.7	90.6	2,300	90.6	2,300
4.9	46.7 / 49.0	1,185 / 1,245	46.7 / 49.0	1,185 / 1,245
4.15	2.0	50	2.0	50
4.19	95.5	2,425	95.5	2,425
4.20	50.2	1,274	50.2	1,274
4.21	43.3	1,100	43.3	1,100
4.22	1.6 / 4.0 / 45.3	40 / 100 / 1,150	1.6 / 4.0 / 45.3	55 / 172 / 1,150
4.25	31.5	800	31.5	800
4.32	2.0	50	2.0	50
4.33	106.3	2,701	106.3	2,701
4.34	98.3	2,498	98.3	2,498
4.35	77.3	1,963	77.3	1,963
5.1	(5.6 / 7.5)	(9.0 / 12.0)	(5.6 / 7.5)	(9.0 / 12.0)
5.2	37.4 / 68.9	0.19 / 0.35	37.4 / 68.9	0.19 / 0.35
5.3	84.6 / 96.5	0.43 / 0.49	84.6 / 96.5	0.43 / 0.49
5.8	8 / 16		8 / 16	
5.10	regenerative		regenerative	
6.1	4.3	3.2	4.3	3.2
6.2	4.0	3.0	4.0	3.0
6.4	24	260	24	260
6.5	216	98	216	98
6.6.1	0.96 (2.31)		0.96 (2.31)	
6.6.2	0.5		0.5	
6.7	91.5	83	91.5	83
8.1	AC		AC	
10.7	68		68	



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.

The Jungheinrich Advantage



Efficiency

Maximize performance with efficient trucks.

A revolution in the warehouse: integrated lithium-ion battery design for ergonomics, performance, and efficiency at the highest level.

Li-ion Technology

- Jungheinrich-produced lithium-ion battery has LFP (Lithium-iron Phosphate) chemistry for optimized efficiency.
- Easy maneuvering in the racking aisle.
- More efficient planning and use of space in the warehouse (narrower work aisles possible).
- High availability thanks to extremely short charging times.
- Cost savings due to longer service life and low maintenance requirement.
- Comfort charging concept: charging interface is ergonomically located for fast and frequent booster charging.

Maximum goods throughput

- drivePLUS for top speeds of 7.5 mph (12 km/h): (standard) for straddle versions and (optional) for fork-over versions.
- Simple, intuitive operation.
- Extensive support for stacking and retrieval tasks.

High-performance mast

- Outstanding stability, fast lifting and lowering as well as excellent visibility through the mast.
- Exceptional residual capacity at high heights.
- Smooth mast transition thanks to hydraulic mast retraction cushioning.

Additional options

- Cold store version (optional).

* Programs may be subject to change without notice and may vary by region. Please ask your local Jungheinrich dealer for complete terms and conditions.

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



Awareness

Supporting safe, fast, accurate operations.

Optional assistance systems not only increase the precision and speed of complex operations, but also increases optimization for operators, goods and warehouses.

Operation

- Adjustment of travel speed depending on the load and direction of travel.
- New warning concept consisting of three components: visual (display), audible (sound signal) and tactile (vibration in the tiller handle) in the event of overload.

Optional assistance systems

- operationCONTROL: Display of lift height, load weight and residual carrying height incl. warning if nominal and residual capacity is exceeded.
- positionCONTROL: Rack height select incl. height indicator.

Fixed stand-on platform

- 3-sided compartment for the operator.
- Comfortable lateral standing and driving position for improved ergonomics.
- Platform suspension is individually adjustable to the weight of the operator, ensuring joint and back-friendly travel (option).
- Foot protection laser (optional): automatic reduction of the travel speed when feet protrude from the platform.

Overhead guard

- Robust protection from falling loads.
- Available with cross beams or panoramic window for optimized visibility (optional).

Additional options

- Load guard available in different heights.
- Floor Spot lighting.



Individuality

A forklift truck as unique as your business.

The revolutionary new vehicle design of the ERCi offers increased potential for ergonomic operation. The fixed stand-on platform provides support and comfort especially for longer periods of use.

Ergonomic workstation

- Generous storage compartments and storage opportunities on the options bracket or overhead guard.
- Low platform height and generous entry width for easy access.

smartPILOT steering

- Easy and intuitive maneuvering, especially when cornering.
- More compact tiller arm with optimal access to the truck's functions and automatic steer centering.
- Off-center design to support a comfortable and ergonomic standing position while providing excellent visibility.
- Height-adjustable tiller arm.

Multifunctional display

- 4-inch display (optional 6-inch) with language neutral icons for the display of battery charge status with residual time display, operating hours and time.

Additional options

- USB charging module.
- Options bracket.
- Shrink wrap holder.
- Increased ease of use with optional sprung stand-on platform to reduce the vibrations felt by the operator.

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.