

Versatile, compact AGV for safe use in mixed operations

Lifting height up to 236 inches and adjustable forks for high flexibility

Simple operation with intuitive interaction options

Economical 24/7 operation thanks to lithium-ion technology

Simple connection to ERP systems via Jungheinrich® logistics interface



## EKS 215a

### Automated Guided Vehicle (AGV) Medium / High Level Order Picker / Stacker (3,300 lb.)

A compact and versatile Automated Guided Vehicle (AGV), our EKS 215a is the perfect choice for efficient mixed operations with manual trucks and pedestrians in warehouses and production areas.

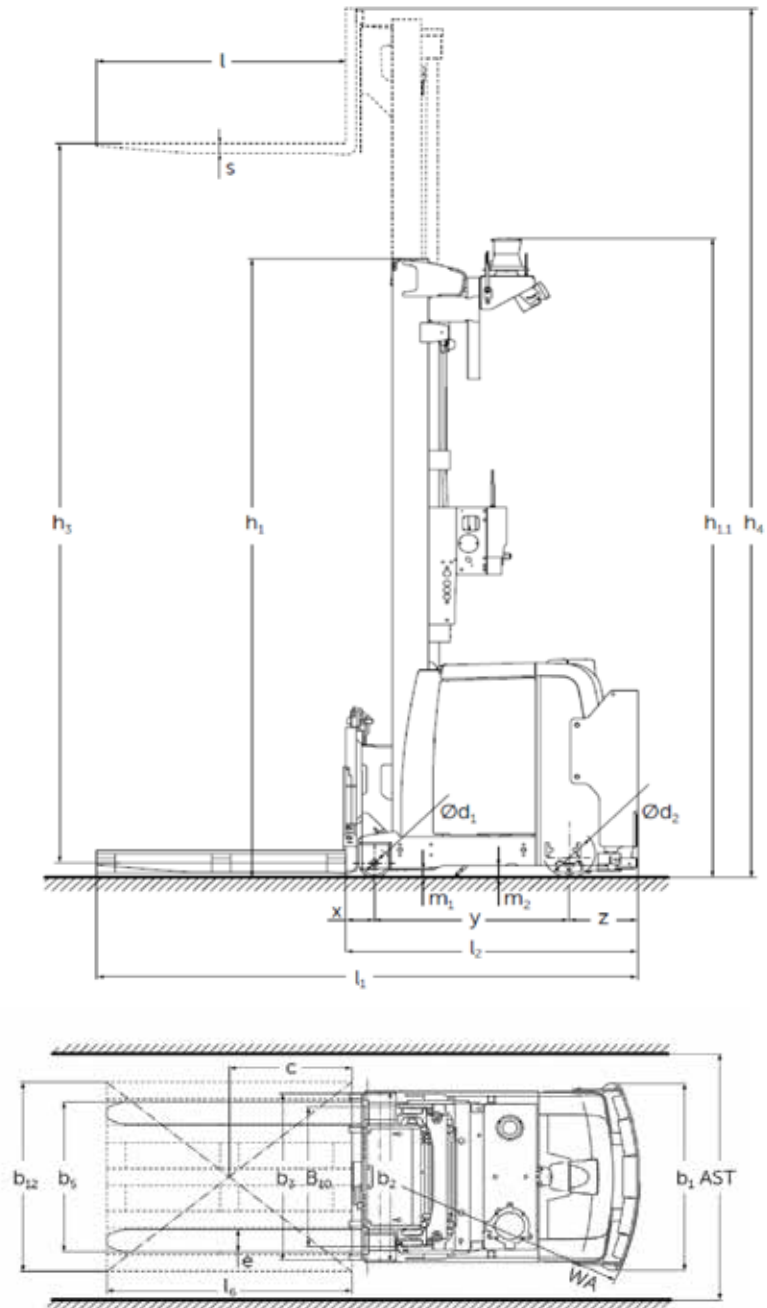
The 24-V energy concept with lithium-ion battery and automatic charging function ensures maximum flexibility in addition to the modular mast concept, while adjustable forks and a high residual capacity facilitate the handling of special load carriers in stations that cannot be driven under as well as drive in racks.

A future-proof safety concept with integrated personal protection sensors guarantees a high level of safety in mixed operation, and the user-friendly HMI touch display simplifies the interaction between man and machine.

Automate your manual processes with our innovative all-rounder – the EKS 215a.

 **JUNGHEINRICH®**

# EKS 215a



**Mast Types**

	Maximum Fork Height		Lowered Mast Height (incl. scanner)		Lowered Mast Height		Extended Mast Height	
	$h_3$		$h_{1,1}$		$h_1$		$h_4$	
	in	mm	in	mm	in	mm	in	mm
Duplex ZT	108	2,750	94	2,380	89	2,240	143	3,610
	110	2,800	99	2,505	94	2,365	149	3,760
	137	3,500	108	2,730	102	2,590	171	4,335
	167	4,250	124	3,130	118	2,990	202	5,110
	187	4,750	134	3,380	128	3,240	221	5,610
	196	5,000	139	3,510	133	3,370	231	5,865
	216	5,500	149	3,780	144	3,640	252	6,385
	236	6,000	159	4,030	154	3,890	272	6,885

# Technical data

as of: 09/2021

Characteristics	1.1	Manufacturer				Jungheinrich			
	1.2	Model				<b>EKS 215a</b>			
	1.3	Drive				electric			
	1.4	Type of operation				AGV			
	1.5	Load capacity / rated load	Q	lb	kg	3,300		1,500	
	1.6	Load center distance	c	in	mm	24.0		600	
	1.8	Load distance (load axle to fork face)	x	in	mm	5.4		150	
	1.9	Wheelbase	y	in	mm	34.9		938	
	Weights	2.1	Service weight including battery		lb	kg	7,231		3,280
2.2		Axle loading, loaded front / rear		lb	kg	9,061	1,477	4,110	670
2.3		Axle loading, no load, front / rear		lb	kg	2,998	4,233	1,360	1,9200
Wheels, Chassis	3.1	Tires				Polyurethane			
	3.2	Tire size (load wheels)	d <sub>1</sub>	in	mm	5.9 x 3.1		150 x 135	
	3.3	Tire size (drive tire)	d <sub>2</sub>	in	mm	13.5 x 4.5X		343 x 114	
	3.5	Wheels, number, front / rear (x=drive wheel)				2 / 1x			
Dimensions	4.2	Lowered mast height	h <sub>1</sub>	in	mm	see mast table			
	4.4	Maximum fork height	h <sub>3</sub>	in	mm	see mast table			
	4.5	Extended mast height	h <sub>4</sub>	in	mm	see mast table			
	4.19.2	Total length (without load)	l <sub>1</sub>	in	mm	98.1		2,492	
	4.20	Length to fork face (headlength)	l <sub>2</sub>	in	mm	50.2		1,275	
	4.22	Fork dimensions – thickness x width x length	s / e / l	in	mm	1.97 x 4.72 x 47.24		50 x 120 x 1,200	
4.31	Ground clearance under mast (loaded)	m <sub>1</sub>	in	mm	3.5		88		
Performance	5.1	Travel speed, loaded / no load		mph	km/h	3.1 / 4.3		5 / 7	
	5.2	Lift speed, loaded / no load		fpm	m/s	49.2 / 59.1		0.25 / 0.3	
	5.3	Lowering speed, loaded / no load		fpm	m/s	59.1 / 49.2		0.3 / 0.25	
	5.10	Brakes – service Brakes – parking				reverse current / regenerative electric spring loaded			
Electrical	6.1	Drive motor rating S <sub>2</sub> 60 min.		HP	kW	8.0		6	
	6.2	Lift motor rating at S <sub>3</sub> 15%		HP	kW	10.7		8	
	6.3	Battery compartment size – l x w x h		in	mm	consult factory			
	6.4	Battery voltage		Volts	Ah	24		775	
	6.5	Battery weight, minimum / maximum		lb	kg	consult factory			
Other	8.1	Type of drive control				AC control			
	8.4	Sound level at driver's ear		dB(A)		65			
	8.6	Steering				electric			

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.

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.

# The Jungheinrich Advantage



## Efficiency

Maximum performance with the most efficient automation solution.

Save valuable resources through the clever automation of transport tasks: the EKS 215a is a highly flexible all-round truck for sustainable optimization of your processes.

Comprehensive automated components and precise navigation

- AGV based on series components for flexible automation – even in confined spaces.
- Optimum design to meet the requirements for automating manual processes in warehouses and production areas.
- Precise laser navigation using reflectors installed on the travel route – for maximum transport efficiency.

Compact design

- Extremely compact truck dimensions due to optimum combination of physical and virtual footprint.
- Perfectly suited to narrow working aisle widths thanks to maximum maneuverability with low space requirement.

Lithium-ion technology

- 24-V lithium-ion technology with optional automatic charging.
- High availability thanks to extremely short charging times.
- Active energy and battery management.
- No battery exchange required.
- Zero maintenance in comparison with lead-acid batteries.
- No charging rooms or ventilation required as there is no build-up of gas.

\*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.

1-877-JH-FORKS

[www.logisnextamericas.com/jungheinrich](http://www.logisnextamericas.com/jungheinrich)



## Safety

Best conditions for working safely.

Everything in sight with 360° all-round visibility: our AGVs reliably scan the environment in your warehouse to ensure maximum safety on every journey. Optional scanners or warning fields offer even more protection in mixed operation.

Intelligent safety functions

- Depending on the speed and steering angle, standard personal protection scanners scan the travel route for obstacles in the drive direction and load direction.
- Protection against damage through integrated safety sensors below the truck frame.
- Smart safety concept with protective and warning fields for efficient layout planning.
- Truck stops automatically in front of obstacles in its path.
- Scanning ahead for obstacles when cornering.
- Emergency disconnect on the truck and emergency control panel.

High level of process reliability in the warehouse

- Quick overview of the status of pending transport tasks is possible on the control panel and on the HMI.
- Prioritized orders can be entered and processed in the corresponding order.
- Depending on the project-specific requirements, individual customer functions can be specially implemented and activated for the respective system.



## Individuality

A forklift truck as individual as your business.

Create new opportunities for the future with an innovative and technically sophisticated AGV. The modular mast concept and variable equipment features allow configuration entirely in line with your requirements.

Wide range of applications

- Use in mixed operation, in a new build or integrated into an existing factory structure.
- Transport of special load carriers, closed pallets as well as the operation of stations that cannot be driven under using adjustable forks.
- Connection to existing WMS / ERP system via Jungheinrich logistics interface.

Intuitive interface

- Status display at a glance.
- 7-inch display with touch function: error codes and handling recommendations for efficient fault rectification.
- Manual intervention option by the operator: AGV can be sent to charge, park or a service location and orders can be specified directly on the display.

Extended mast grid and increased residual capacity

- Wide range of masts for flexible adaptation to the warehouse layout.
- Higher payload with smaller footprint and simultaneous increase in residual capacity.

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.

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