Compact design for narrow aisle widths.

Efficient, reliable completion of routine tasks.

Precise pallet handling and optimized transport routes thanks to precise laser navigation.

Extensive safety systems for use in mixed operations.

Short amortisation period thanks to process optimization.

ERE 225a

Automated Guided Vehicle (AGV) Pallet Truck (5,500 lbs.)

As an Automated Guided Vehicle (AGV), our reliable and versatile ERE 225a Pallet Truck takes on repetitive transport tasks. With its long forks, this AGV is designed for multi-pallet transport to help increase the efficiency of your transport processes.

A 2.8-kW 3-phase AC motor ensures constant performance over long distances. Durability is enhanced by the sturdy construction with its steel frame and enclosed structure.

The use of our AGVs in mixed operation is controlled by safety systems such as the standard object detection scanners. With speed-dependent scanning depths, the scanners observe the travel route for obstacles in the drive direction while cornering. The truck navigates by means of laser navigation. Reflectors on the travel route or a combination of reflectors and environmental features can be used for this purpose.

The AGV developed from our standard trucks can not only be easily integrated into existing IT structures or used as a standalone system, but can also be used in existing factory structures or new builds.

JUNGHEINRICH ®
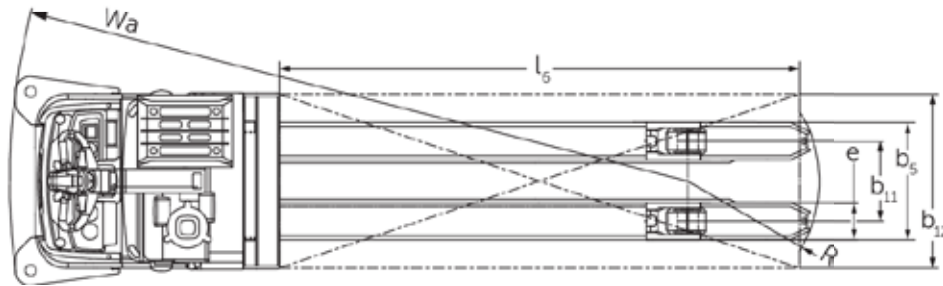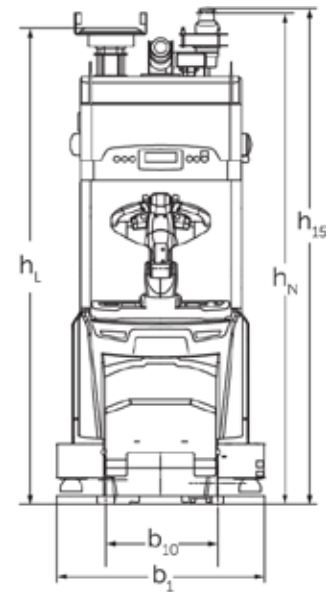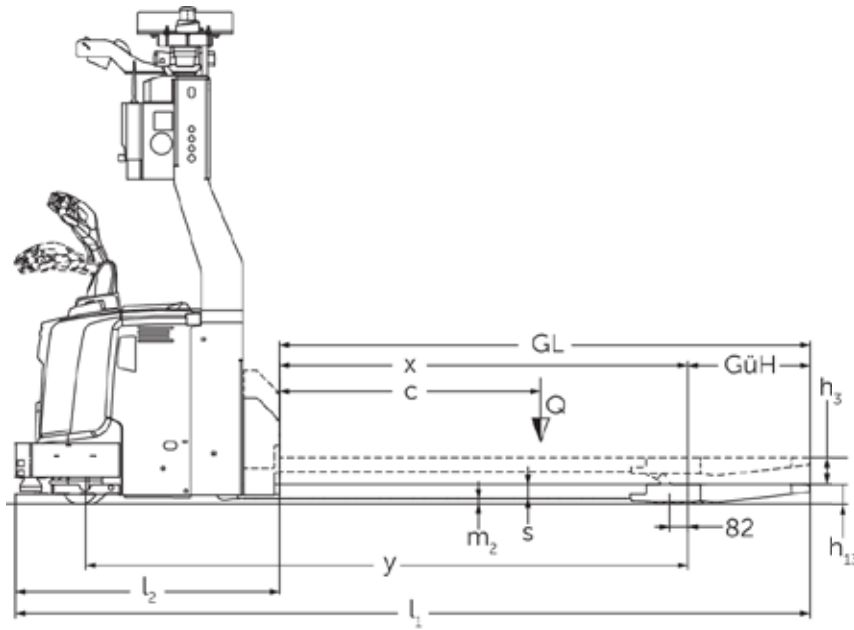
Technical data

						Jungheinrich	
Characteristics	1.1	Manufacturer				Jungheinrich	
	1.4	Type of operation				Automated Guided Vehicle	
	1.5	Load capacity / rated load	Q	lbs	kg	5,500	2,500
	1.6	Load center distance	c	in	mm	47.2	1,200
Weights	2.1.1	Service weight including battery (see line 6.5)		lbs	kg	2,734	1,240
	2.2	Axle loading: loaded, front / rear		lbs	kg	3,505 / 4,740	1,590 / 2,150
	2.3	Axle loading: unloaded, front / rear		lbs	kg	2,249 x 485	1,020 / 220
Wheels / Suspension	3.2	Tire size, front				230 x 77	
	3.3	Tire size, rear				85 x 85	
	3.4	Additional wheels				140 x 54	
	3.7	Tread width, rear	b_{11}	in	mm	14.5	368
Basic Dimensions	4.2	Collapsed mast height	h_1	in	mm	87.8	2,230
	4.2.1	Overall height	h_{15}	in	mm	89.8	2,280
	4.4	Maximum fork height (MFH)	h_3	in	mm	5	125
	4.15	Height, lowered	h_{13}	in	mm	3.54	90
	4.19	Overall length (including forks - ref. line 4.22)	l_1	in	mm	144.3	3,666
	4.20	Length to fork face, headlength (including fork thickness - see line 4.22)	l_2	in	mm	47.9	1,217
	4.21.1	Overall width - chassis / wheel legs	b_1/b_2	in	mm	38	965
	4.22	Fork dimensions - length/width/thickness	s/e/l	in	mm	2.75 x 7.36 x 96.46	70 x 187 x 2,450
	4.25	Overall fork width (minimum / maximum)	b_5	in	mm	21.3	540
	4.31	Ground clearance, loaded, under mast	m_1	in	mm	0.8	20
Performance	5.1	Travel speed, loaded/unloaded		mph	kph	4.47 / 4.47	7.2 / 7.2
	5.10	Service brake				regenerative	
Motors	6.1	Drive motor (performance S2 60 minutes)		kW		2.8	
	6.2	Lift motor (performance at S_3)		kW		1.5	
	6.4	Battery voltage / nominal capacity		V	Ah	24	375
	6.5	Battery weight, minimum		lbs	kg	Consult factory	
Other Details	8.1	Type of drive control				AC speedCONTROL	
	10.7	Sound level (as per EN12053) driver's ear		dB (A)		64	

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.

ERE 225a

The Jungheinrich Advantage

Efficiency

Maximum performance with the most efficient automation solution.

Rely on an overall concept where intelligent software provides continuously high performance and maximum process reliability.

Established standard truck used as basis
- The basic ERE electric pedestrian pallet truck in combination with comprehensive safety technology as well as automation and navigation components.
- Advanced design of safety systems in accordance with current standards.
- Simple manual operation in mixed mode is performed via the standard controls of the production truck.

Efficient drive technology and equipment
- 2.8-kW 3-phase AC drive motor.
- Capacity up to 5,500 lbs.
- Sturdy design with steel frame and enclosed frame contours.

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.

Safety

Best conditions for working safely.

Designed with a high level of safety, the ERE 225a is well suited to work in mixed operations with manual trucks and pedestrians.

Safety system in the truck
- The standard object detection scanner in the drive direction scans the travel route in front of the AGV for obstacles.
- Should an obstacle be located in the path of the truck, the AGV will reliably come to a halt in front of it.
- The sensor also scans ahead for obstacles when cornering.
- Emergency disconnect on the truck.

Process reliability in the warehouse
- Everything at a glance with the AGV control panel.
- The graphic display on the AGV control panel displays all the information relating to the AGV in use.
- Quick overview of the status of pending transport tasks.
- 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

An automated solution as individual as your business.

Our Automated Guided Vehicle systems adapt individually to your IT and network landscapes.

Simple system integration
- Integration into existing IT and network landscapes possible.
- Effortless connection to existing WMS/ERP system via Jungheinrich Logistics Interface.
- The existing WLAN structure can be used for communication.

Precise navigation
- Precision positioning of trucks and loads at the defined stations.
- Different navigation types can be used as hybrid navigation.
- Project and environment-specific design and implementation.

Optional additional equipment
- Charging contact plates on the AGV for automatic battery charging.
- Floor-Spot.
- Bar code scanner.
- Obstacle detection scanner.

* 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

JUNGHEINRICH®