Mobile robot low-level applications

EAE 212a

Lift height: 250 mm / Load capacity: 1200 kg

LION technology

The mobile robot
of a new generation.

The automation solution for the warehouse of the future.

Rising costs, personnel shortages and dynamic processes present Material Handling with new challenges every day. Our pioneering EAE 212a mobile robot offers crucial added value: quick to integrate, flexible and scalable, it ensures the easy automation of logistics processes.

With its smart features, the EAE 212a enables optimised processes and efficiency – for automated low-lift applications in existing warehouses. The EAE 212a perfectly complements our existing portfolio of mobile robots and is future-proof: over-the-air updates enable continuous product improvements and the introduction of new features.

No need to worry. No compromises

The Jungheinrich Li-ion Guarantee Plus provides you with a long-term performance promise of up to 5 years on our high-quality lithium-ion batteries, so that you can focus fully on your tasks without worry.

All benefits at a glance

- Mobile robots for easy integration into existing warehouses.
- High degree of autonomy: the mobile robot detects objects, negotiates obstacles safely and independently, while navigating without artificial landmarks.
- Compact and agile with a simultaneously high capacity of up to 1,200 kg – ideal for low-lift applications.
- Clear status displays minimise manual intervention and ensure a high level of acceptance.
- Lithium-ion battery and automatic charging ensure high availability.

Your autonomous mobile robot

for maximum customer benefits.

Integration

Rapid and easy integration in existing warehouses.

Thanks to the compact design of the EAE 212a and the smart software features, it is easy to use in existing warehouse environments.

Compact design

- Mobile robot with small footprint: compact with simultaneously large capacity of up to 1,200 kg.

Intelligent load handling

- 3D pallet detection enables the truck to also detect pallets that are not exactly in position.
- This enables manually provided loading devices to also be picked up and transported to their destination.

Intuitive man / machine interface

- Wide level of employee acceptance thanks to intuitive communication with the mobile robot.
- Intelligent combination of display and LED strips on the truck.
- Clear status display minimises the need for manual intervention.

Flexibility

High degree of autonomy for maximum flexibility.

Integrated hardware and software ensure flexibility. The modelling tool represents your material flow. And when in use, the mobile robots impress with autonomous obstacle avoidance.

Flexible layout creation

- Time-saving layout creation using universal tools.
- Navigation entirely without artificial landmarks.

Autonomous obstacle avoidance

- Ideal for dynamic working environments thanks to its ability to independently avoid obstacles.
- Undisturbed process flow, no human intervention necessary.

High availability

- Powerful lithium-ion battery in combination with automatic charging ensures efficient operation.
- The mobile robot is always ready for use thanks to fast charging times and the opportunity for booster charging.

Scalability

Ready for the future: expand your mobile robot fleet at any time.

Our EAE 212a ensures that you are prepared for future logistical challenges. Over-the-air updates enable you to benefit from continuous product improvements and new features.

Well thought-out software

- Trucks can be easily added and projects expanded accordingly.

Effective navigation

- Navigation without artificial landmarks saves extensive adaptations to the warehouse.
- Layout adaptations can be made simply and easily.

Future-proof system

- Can be used as a stand-alone solution or with connection to existing WMS / ERP system.
- Regular over-the-air updates will enable you to continue to benefit easily from further developments to the mobile robot in the future

Overview

The right solution for your applications:

Name	Load capacity/load	Lift height (max.)	Travel speed unladen	Lift speed unladen	total height
EAE 212a	1200 kg	250 mm	6 km/h	0.17 m/s	2470 mm