

Mobile robot

EAC 212a

Lift height: 250-1200 mm / Load capacity: 1200 kg

LI-ION technology

JUNGHEINRICH

Autonomous mobile robot (AMR)

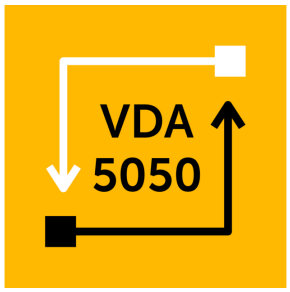
EAC 212a

Flexible automation for your material handling.

Our compact and agile mobile robot EAC 212a is ideally suited for automated high-lift transport in busy logistics and production areas. In daily internal goods transport, it boasts high adaptability, safety and flexibility.

Intelligent software and contour-based VDA 5050 navigation enable efficient use of the EAC 212a in existing working environments, without any costly infrastructure adjustments. The certified 360° safety sensor system ensures reliable personal protection in mixed operation. At the same time, dynamic obstacle avoidance enables uninterrupted material flow.

With our AMR EAC 212a, you benefit from tailor-made, attractive financing models and can easily scale your fleet according to the success of your business.



VDA 5050 compatibility

Mobile robots from Jungheinrich are VDA 5050-compatible and have a standardised interface for communication with the master control. This enables the mobile robots to be used with manufacturer-independent control systems.

All benefits at a glance

- Mobile robot for efficient high-lift use up to a transfer height of 1.2 metres.
- Compact design with a high capacity of up to 1,200 kg.
- Autonomous, safe obstacle avoidance.
- Lithium-ion battery and automatic booster charging for high availability.
- Intuitive display with simple step-by-step instructions for quick recommissioning.

Your autonomous mobile robot

for maximum customer benefits.



Integration

Easy integration into existing environments.

Choose a mobile robot with straightforward integration and rapid readiness for use: The EAC 212a integrates seamlessly into your existing working environment – without any costly modifications.

Compact design

- Bidirectional truck concept with a high capacity of up to 1,200 kg.

Intelligent load handling

- The truck supports a wide variety of load carriers and operates safely with floor storage locations, materials handling equipment and buffer lanes.

Intuitive man / machine interface

- Smart software features allow for easy use in existing warehouse environments.
- Wide level of employee acceptance thanks to intuitive communication with the mobile robot.
- Clear status display minimises the need for manual intervention.



Flexibility

High flexibility from planning through to use.

Automation can be this simple: With its comprehensive hardware and software tools, the EAC 212a intelligently adapts to your processes, ensuring optimised workflows and increased efficiency.

Safe in mixed operation

- Ideal for dynamic working environments thanks to 360° safety sensor system and autonomous obstacle avoidance.

High degree of autonomy

- Using 3D pallet recognition, the mobile robot can also detect manually positioned pallets that are not as precise, with an offset of up to ±100 cm and twisting of up to 10°, and transport them to their destination.
- The integrated display provides clear instructions to quickly restore operation in the event of an interruption.

Maximum availability

- High-performance Jungheinrich lithium-ion battery with a warranty period of up to 8 years for high investment security.
- Automatic charging and the option for booster charging ensure the continuous readiness of the mobile robot.



Scalability

Scalable for a successful future.

Well prepared for future challenges: With the EAC 212a, you are choosing a future-proof system that grows flexibly with your company and can be quickly adapted to changes in day-to-day business.

Future-proof software platform

- Well-designed hardware and software components enable the rapid implementation and safe operation of the mobile robots.
- Wide range of applications thanks to compatibility with the VDA 5050 standard.

Can be flexibly extended

- Can be used as a stand-alone solution or connected to an existing WMS / ERP system.
- Straightforward integration of additional trucks as project volume increases.
- Thanks to regular over-the-air updates, you continuously benefit from the latest developments of the mobile robot.

Effective navigation

- Navigation without artificial landmarks eliminates the need for extensive warehouse modifications.

Overview

The right solution for your applications:

Name	Load capacity/load	Lift height (max.)	Travel speed unladen	Total height
EAC 212a	1200 kg	1200 mm	6 km/h	2050 mm

The German production facilities in Norderstedt, Moosburg and Landsberg are certified as well as our Genuine Parts Center in Kaltenkirchen.

ISO 9001
ISO 14001

Jungheinrich fork lift trucks meet European safety requirements.

CE

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