



## AUTONOMOUS PALLET TRANSPORT MAX. 1.6 T

ek-robotics

### YOUR MODULAR SYSTEM FOR CUSTOMIZED INTRALOGISTICS THE VARIO MOVE HIGH-LIFT TRANSPORT ROBOT SERIES

As a leading integrator for autonomous mobile robotics, we at MOBILE ROBOTS have added the modular VARIO MOVE series from our new partner ek robotics to our portfolio, which has proven itself in a wide range of industries. Individually adaptable, the AMR concept allows for maximum flexibility in device design and navigation. Due to its modular and maintenance-friendly design as well as its practically high availability, the VARIO MOVE represents the next evolutionary stage of transport robots: The industrial trucks, which consist of a drive unit with a modular interface, can be configured as desired despite standardized components.

This means they can be adapted to your transport tasks with different running gears and equipped with different load handling attachments. The VARIO MOVE modular system consists of five defined lift masts, with which a transfer height of up to five metres is achieved, as well as a wide variety of load handling attachments - from load forks and attachments to roller conveyors or chain conveyors.

We currently integrate the fully automatic and maintenance-friendly high-lift transport robot in four different versions.

#### TYPICAL SECTORS & INDUSTRIES FOR THE USE OF THE VARIO MOVE

- Automotive • Engineering • Plastics Industry • Chemistry & Pharma • Logistics/3PL
- Consumer Goods • Packaging • Food & Beverage • Wood/Furniture Industry



reddot winner 2022  
industrial design

### FEATURES, FACTS & BENEFITS YOUR PRODUCT ADVANTAGES

- **Quickly available**  
due to short planning & commissioning times
- **Collaborative & safe**  
for autonomous transport in dynamic environments & interaction with people
- **Contactless intralogistics**  
across departments & the entire site
- **Flexible use**  
does not require infrastructural or process adjustments
- **Highly customizable**  
due to modular AMR construction kit concept with various load handling attachments
- **Robust & transparent**  
maintenance-friendly construction, made for 24/7 use, long service intervals
- **Economical & efficient**  
low operating costs; high return on investment; balanced flow of goods & materials to avoid production bottlenecks and storage inefficiencies

## TECHNICAL SPECIFICATIONS EK ROBOTICS VARIO MOVE \*

### VARIO MOVE-L

Max. load capacity:	1,600 kg
Empty weight:	1,862 kg
Dimensions (LxW):	2,190 x 868 mm
Speed:	max. 2.0 m/s (with load: 1.7 m/s)
Gradeability:	max. 10% (with load: max. 6%)
Turning radius:	1,677 mm

### VARIO MOVE-CB 06 / -CB 12 / -CB 16

Max. load capacity:	600 kg / 1,200 kg / 1,600 kg
Empty weight:	2,480 kg / 2,597 kg / 2,677 kg
Dimensions (LxW):	2,435 / 2,735 / 2,935 x 868 mm
Speed:	max. 2.0 m/s (with load: 2.0 / 1.7 / 1.5 m/s)
Gradeability:	max. 10% (with load: max. 6% / 6% / 4%)
Turning radius:	1,169 mm / 1,462 mm / 1,660 mm

## BASIC DATA / COMMON PARAMETERS

Lifting power:	3.2 kW	Energy supply:	Li-Ion energy system
Lifting height:	max. 5 m	Battery charging time:	10 min. (60 - 80%)
Ground clearance:	25 mm	Battery life:	> 3,000 charging cycles
Lifting/lowering speed:	max. 0.25 m/s	Drive power:	2.3 kW
Position accuracy:	+/- 10 mm	Sound pressure level:	< 72 dB (A) according to EN 12053
Threshold tolerance (gap):	max. 10 mm		

\* Specifications as provided by the manufacturer at the time of printing; subject to change & errors excepted.



## OUR COMPREHENSIVE SERVICES AS AMR INTEGRATOR

 Test Installation

 Commissioning

 Fleet Management

 Maintenance & Service

 Safety & Consulting

 Education & Training

## GET TO KNOW US

As the largest manufacturer-independent integrator of automated guided vehicles in Europe, we deliver the perfect solution for the automation of your intralogistics tasks in industry, service, trade & crafts.

Let us talk about your challenges and get your company's logistics future-ready with our strong team!



# MOBILE ROBOTS

by DAHL ROBOTICS