



SCANLOX
SCANDINAVIAN LOGISTICS

WEWO L-Cart Heavy

Data Sheet



WEWO L-Cart Heavy

Lifting & Moving Large Products



Key Points

Easy Communication

Safety

Various Models

Customization Possibilities

Moving Your Innovations Forward

The WEWO L-Cart Heavy is a powerful AGV designed for lifting and transporting products smoothly. Featuring a unique lift module and a vertical front section, the L-Cart Heavy can navigate both at ground level and at height, compared to the WEWO Move AGVs.

With an increased load capacity, the L-Cart Heavy can lift and transport significantly heavier products than the standard L-Cart. The L-Cart Heavy lifts products independently by positioning itself beneath them, then transports them to the desired location, making it ideal for environments requiring efficient, automated material handling of heavy loads.

VDA5050 Compatible

VDA5050 is an open standard for communication between autonomous robots and control systems. The standard ensures that robots from different manufacturers can be seamlessly integrated with central control systems.

All WEWO AGVs are fully compatible with the VDA5050.

AGV Applications



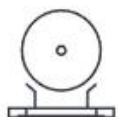
AGV Pallet
Handling



AGV Product
Handling



AGV Cart
Handling



AGV Roll &
Bulk Handling



AGV Assembly
Automation



AGV Machine
Cell Loading

Technical Specifications

Performance

Max. Lifting Height	40 mm
Max. Lifting Weight	2,500 kg
Max. Speed	1.6 m/s

Dimensions

2,160 x 730 x 782 mm (L x W x H)

Specifications

Navigation Method	Natural Navigation - Top
Lift System	Closed Lift System
Battery	Lithium-Ion
Certification	CE Standard
Powder Coating	RAL7016, RAL1007

Load Carrier Types

Compatible load carriers and handling configurations.



Industrial Carriers

Plastic / Wood / Metal



Industrial Frames

Plastic / Wood / Metal



Pallet Cages

Plastic / Wood / Metal

 Other types of carriers? Inquiry to supplier.

 NB: The vehicle is not limited by plastic wrap on the pallet's foot.

Fleet Management & WMS Application

The Software

The Fleet Management Software & MES provides all the essential tools to efficiently manage warehouse and production environments. It seamlessly controls multiple AGVs within the same space, optimizing workflow and minimizing disruption.

For businesses without an existing warehouse management system, the WEWO WMS application offers a complete solution. Designed to integrate seamlessly with the Fleet Management Software, this system enables full control over inventory and logistics.



Task Management

Assign, monitor, and prioritize tasks effortlessly.



Comprehensive Product Tracking

Monitors product positions and data in real time.



Alarm & Traffic Management

Prevent bottlenecks and ensure smooth operation.



Seamless Integration

Connects with production lines, machines, and delivery stations.



Deadlock Prevention

Optimize vehicle paths for continuous flow.



User Role Management

Ensures secure and efficient system access based on defined permissions.



System Integration

Connects seamlessly with MES, ERP, and other enterprise systems.

Navigation Method

Precision Laser Navigation

The L-Cart Heavy utilizes line following guidance (optical/magnetic). The AGV is equipped with a camera or field detectors that enable precise navigation by following an optical or magnetic line. The camera identifies the line's position and adjust the AGVs path accordingly. Additionally, 2D codes provide commands and positioning information, ensuring accurate and efficient movement in the desired direction.



Key Advantages

Precise Navigation

Ensures accurate movement by following optical or magnetic lines.

Reliable Guidance

Ideal for structured environments requiring predefined paths.

Dynamic Positioning

2D codes allows the camera to receive commands and position the vehicle in the direction of travel.

Energy Management

Charging System

The AGVs feature automatic charging, eliminating the need for manual intervention. When the battery reaches a minimum level, the AGV completes its current task and automatically navigates to an available charging station.

With this intelligent charging system, the AGVs remain operational with minimal interruptions, ensuring maximum efficiency in warehouse and production environments.



Key Advantages

Seamless Integration

AGVs recharge without disrupting operations.

Automated Docking

The integrated power collector ensures precise contact with the charging station.

Programmable Charging Levels

Adjust battery thresholds to optimize uptime and efficiency.

Minimal Downtime

Once charged, the AGV automatically resumes its next task.



Safety in the Overview by:

APN Connection

ISO 27001 Certified Data Centers

Encryption According to Highest Standards

Safety & Scanners

The AGVs are equipped with advanced safety systems designed to protect employees, infrastructure, and the robots themselves.

They comply with international standards such as ISO 3691-4 and EN1525.



Dimensions

