

WEWO L-Cart Heavy Datasheet



Find comprehensive details
and specifications of the
WEWO L-Cart Heavy in the
booklet.

www.scanlox.com

WEWO L-Cart Heavy

Lifting & Moving Large Products

Easy Communication

Safety

Various Models

Customization Possibilities



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* 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.

Performance Data

40 mm	2.500 kg	1,6 m/s
Max. Lifting Height	Max. Lifting Weight	Max. Speed

Dimensions







2.160 x 730 x 782 mm (L x W x H)

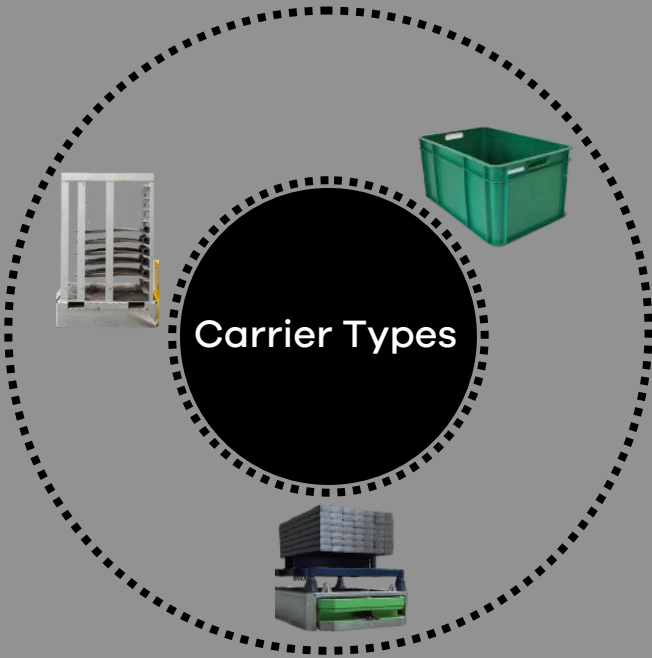
Specifications

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

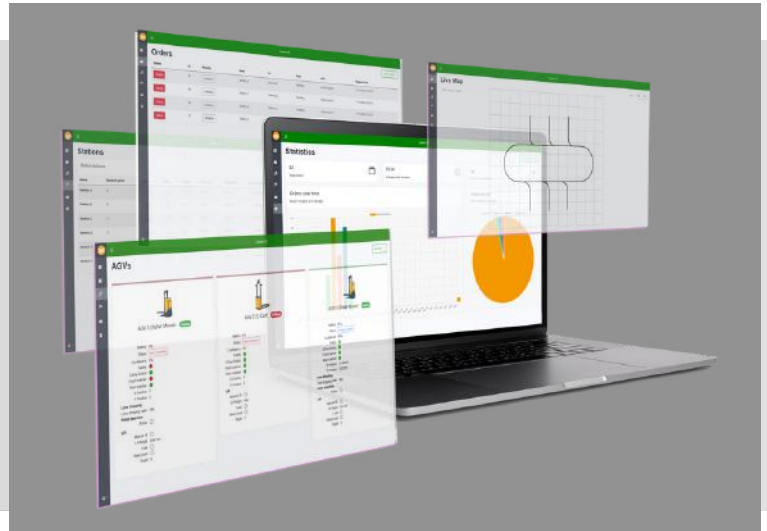
Specification

Details

-  Industrial Carriers
-  Industrial Frames
-  Dimensions max According to requirement
-  Exeptions Carriers with closed bottom
-  Other types of carriers - inquiry to supplier
-  NB: The vehicle is not limited by plastic wrap on the pallet's foot



Fleetmanagement & WMS Application



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.



Task Management

Assign, monitor, and prioritize tasks effortlessly.



Alarm & Traffic Management

Prevent bottlenecks and ensure smooth operation.



Deadlock Prevention

Optimize vehicle paths for continuous flow.



System Integration

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



Comprehensive Product Tracking

Monitors product positions and data in real time.



Seamless Integration

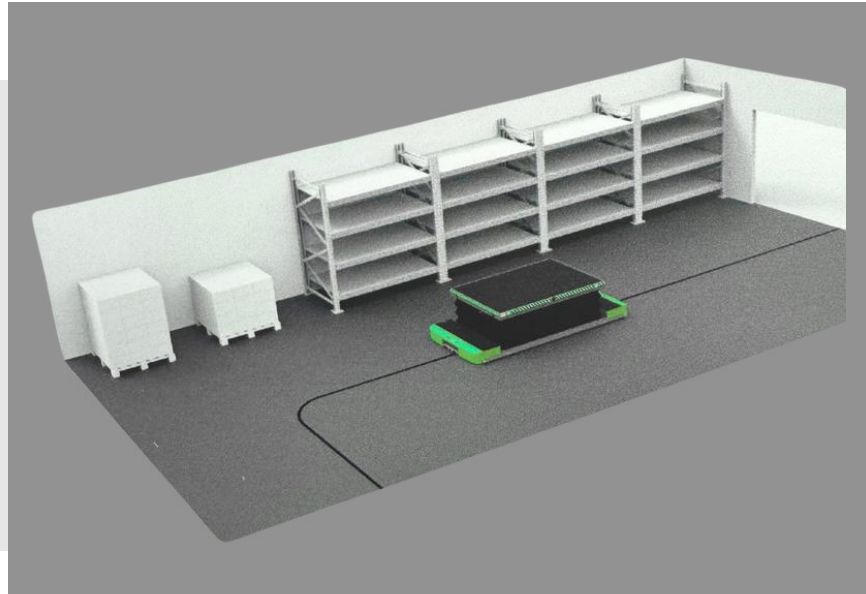
Connects with production lines, machines, and delivery stations.



User Role Management

Ensures secure and efficient system access based on defined permissions.

Navigation Method



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.

Dynamic Positioning

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

Reliable Guidance

Ideal for structured environments requiring predefined paths.

Safety & Scanners



Navigation Scanner



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**.

Energy Management

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.



Dimensions

