Nipper AGV V4



Your Nipper Integrator



Description

The Nipper AGV V4 is a compact autonomous mobile robot designed for internal horizontal transport of load carriers. It has the dimensions of a manual pallet truck, but with the capacity of a forklift truck. The Nipper AGV V4 is the safe, reliable co-worker in dynamic environments where people and machines are continuously moving. Missions (tasks) for the Nipper AGV V4 are optimised by the Fleetmanager. The Nipper AGV V4 is the next step in automation of production and warehouse facilities offering a scalable and flexible solution.

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Main specifications



Specifications

Material frame Galvanized steel **Material forks** Strainless Steel SS304 Drivina 4 omnidirectional drives 1767 x 814 x 2035 mm (LxWxH) **Dimensions** Lifting height 150 mm (low 88 mm - high 238 mm) 330 kg Tare weight Wireless charging (LiFePO4) **Battery** 15 min (from 20% to 80%) Charging time

Approx. 4 hour,

depending on conditions 48V

Voltage

(Partial) four way pallets

Two way pallets

Controls

Operation cycle

Main controls HMI Navigation Fleetmanager Connectivity Joystick and/or touchscreen 7" full colour touchscreen Natural feature navigation Server, web based access

Wifi



Smart move

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Safety

- · 360° safety PLd (performance level d)
- · Sick nanoScan 3
- · Two emergency stops
- · Human Robot interaction module
- · Main switch with Lockout Tagout
- STO SIL3
- Sounder

Options

- · Barcode camera
- · Object detection

Operational conditions*

Operating temperature From 0° C to 40° C

Relative humidity From 0% to 95%, non condensing

Ground clearance10 mmUnevenness floorMax. 5 mmFloorDry, flat, non-dust

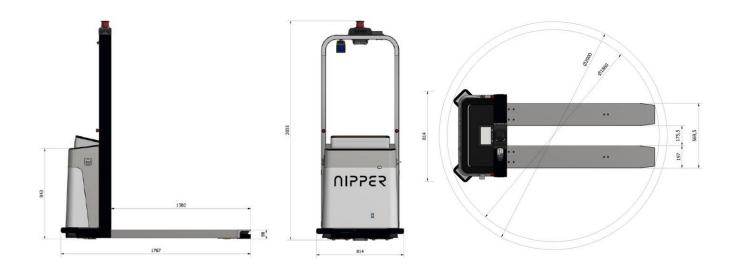
*Detailed "Required Floor Conditions" applicable

Conformity and compliance

- · CE certification
- · 2006/42/EC
- · ISO 3691-4

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Drawings





Smart move