ABB

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FLEXLEY MOVER
AMR P204

Maximum agility, flexibility and safety with our AMR P204.

Fast and efficient delivery of racks, carriers, boxes or hanging garments in confined spaces. Extremely flexible automation for your storage needs and changes in your busy warehouses.

AMR P204 is the perfect solution for Goods to Person (G2P) processes in Ecommerce, Logistics, Automotive or Manufacturing sectors. It can also perform hundreds of applications related to warehouse management, order picking and kitting.

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Agile
Excellent manoeuvrability, thanks to its omnidirectional technology, AMR P204 can rotate on the spot to change direction. With minimum dimensions, its agility allows to reduce the number of vehicles per installation (-20% vs differential AMRs). Increase your productivity thanks to its high speed.

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Flexible
Flexible definition of layouts. AMR P204 adapts easily to your storage needs and changes in your busy warehouses.

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Safe
360° protection. Our AMR P204 has a robust safety architecture which guarantees smooth operations even in a busy environment: 2 safety lasers provide full coverage of the horizontal vehicle's perimeter, safety PLC, safety counting and many others.

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Intelligent
Manage hundreds of locations thanks to its multi-origin and multi-destination capabilities. Smart QR code/RFID reader system.

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Navigation System
State-of-the-art navigation technology through QR codes, which provides maximum flexibility at a low cost with minimal maintenance requirements.

Maximum payload	350 kg
Lifting height	120 mm stroke
Dimensions (L×W×H)	1052 × 660 × 352 mm
Movement	Omnidirectional
Navigation system	QR codes
Speed range	From 0.05 to 2.2 m/s
Turning radius	0 mm (turn on the spot)
Positioning accuracy	Up to ± 10 mm / 1.5°
Manual movement	Control Pad Wireless remote control Wired remote control
Battery	Li-Ion 48 V 40 Ah
Charging system	Online charging system (brushes)
Environment	Indoor
Safety systems	2 × Safety PLC 2 × Safety laser for indoor environment 2 × Emergency stop button
Optional elements	Camera for rack detection
Handling system	Lifting table
Fleet management system	SIGAT 120
Communication	WiFi Radio frequency system M2M
Connectivity	2 × USB, Ethernet, IoT Through IT: ERP, MRP, MES, DDBB interface Industrial connectivity: OPC, wired connections

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352 mm

660 mm

1052 mm