

FLEXLEY STACK

AMR F602

The compact, agile and flexible AMR for pallet transportation.

Automate your logistics smoothly and easily with our AMR F602: our new stacker AMR for pallet and container transportation characterized by its excellent manoeuvrability, adaptability and efficiency.

Our AMR F602 provides great agility and flexibility, making it the ideal solution for a wide variety of warehousing and logistics functions. Thanks to its multiple configurations, it can easily automate applications such as vertical operations, inbound reception and outbound shipment, as well as line supply and end of line handling.

Agile

Fast acceleration and excellent manoeuvrability. Its reduced dimensions and minimum turning radius allow the automatic transportation of goods even in narrow aisles and tight spaces.

Flexible

With different mast and forks depending on the project, it is adaptable to a wide range of logistics and warehousing applications.

Safe

Robust 360-degree safety architecture ensures smooth operations, load integrity and personal safety.

Collaborative

Intuitive HMI capabilities as well as reliable communication with connected elements (robotic cells, wrapping machines, automatic warehouses, tablets).

Service weight capacity	1600 kg
Lifting height	1800 mm 4800 mm 6000 mm
Residual capacity at maximum lifting height	1600 kg @ 600 mm cg up to 1.8 m height 800 kg @ 600 mm cg up to 4.8 m height 600 kg @ 600 mm cg up to 6 m height
Dimensions (L×W×H)	2055 x 830 x 2751* mm with 6m mast
Movement	Bidirectional
Navigation system	Laser
Speed range	Forward: From 0.03 to 1.7 m/s Backward: From 0.03 to 1 m/s
Turning radius	1683 mm
Positioning accuracy	Up to ± 10 mm
Manual movement	Control Pad
Battery	Li-ion 48V 200 Ah
Charging system	Online charging system (brushes) External charger
Environment	Indoor
Safety systems	1 x Safety PLC 2 x Safety laser for indoor environment 1 x Load detection sensor 4 x Fork tip sensors 2 x Emergency stop button
Optional elements	Anti-collision scanner Bluespot
Handling system	Forks
Fleet management system	SIGAT 120 (Interface) Kollmorgen System Manager (Fleet Manager)
Communication	WiFi
Connectivity	HMI: Touchscreen USB; Ethernet. Standard Industrial connectivity Through IT: capture boxes, PLC interface (OPC), ERP, MES, WMS, tablets

* Height may vary depending on the optional elements and mast configuration

