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FLEXLEY STACK

AMR F702

Agile, precise, safe and efficient in confined spaces.

Best in class turning radius and excellent manoeuvrability, developed for ground, linear, conventional rack and drive in loading and unloading, allowing more advanced functions like stacking and destacking. Great performance in loading management, with a capacity of up to 2 Tn that can reach a height of 8.5 metres.

A mobile robot characterised by its agility, precision, safety, sturdiness and efficiency that adapts perfectly to processes.

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Sturdy
Powerful performance handling heavy loads while lifting. Automated 24/7 work, with high energy efficiency.

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Agile
Reduced turning radius and high angle velocity which gives it excellent manoeuvrability allowing entries into narrow aisles. In addition, it is fast, reaching 2 m/s while loaded.

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Safe
360° protection. It has different safety systems which guarantee its reliability to any interference.

Service weight capacity	2000 kg
Lifting height	6000 mm
	8500 mm
Residual capacity at maximum lifting height	2000 kg @ 600 mm cg up to 4.5 m height
	1183 kg @ 600 mm cg up to 6 m height
	564 kg @ 600 mm cg up to 8.5 m height
Dimensions (L×W×H)	2887 x 1172 x 2845 mm*
Movement	Bidirectional
Navigation system	Laser
Speed range	Forward: From 0.03 to 2 m/s
	Backward: From 0.03 to 1 m/s
Turning radius	1524 mm
Positioning accuracy	Up to ± 10 mm
Manual movement	Control Pad
Battery	Li-ion 48 V 251 Ah
Charging system	Online charging system (brushes)
Environment	Indoor
Safety systems	1 × Safety PLC
	3 × Safety laser for indoor environment
	1 × Load detection sensor
	4 × Fork tip sensors
	4 × Emergency stop button
Optional elements	Fork positioner
	Smart forks
	Anti-collision scanner
	Stabilizing tamp
	Barcode scanner/RFID readers
	Bluespot
	Operator/Manual forklift detection system by tags
	Stacking/Destacking
Handling system	Forks
Fleet management system	SIGAT 120 (Interface)
	Kollmorgen (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

2750 mm

1150 mm   2854 mm