

AFi-M

Autonomous Forklift Indoor - Medium



manual  autonomous

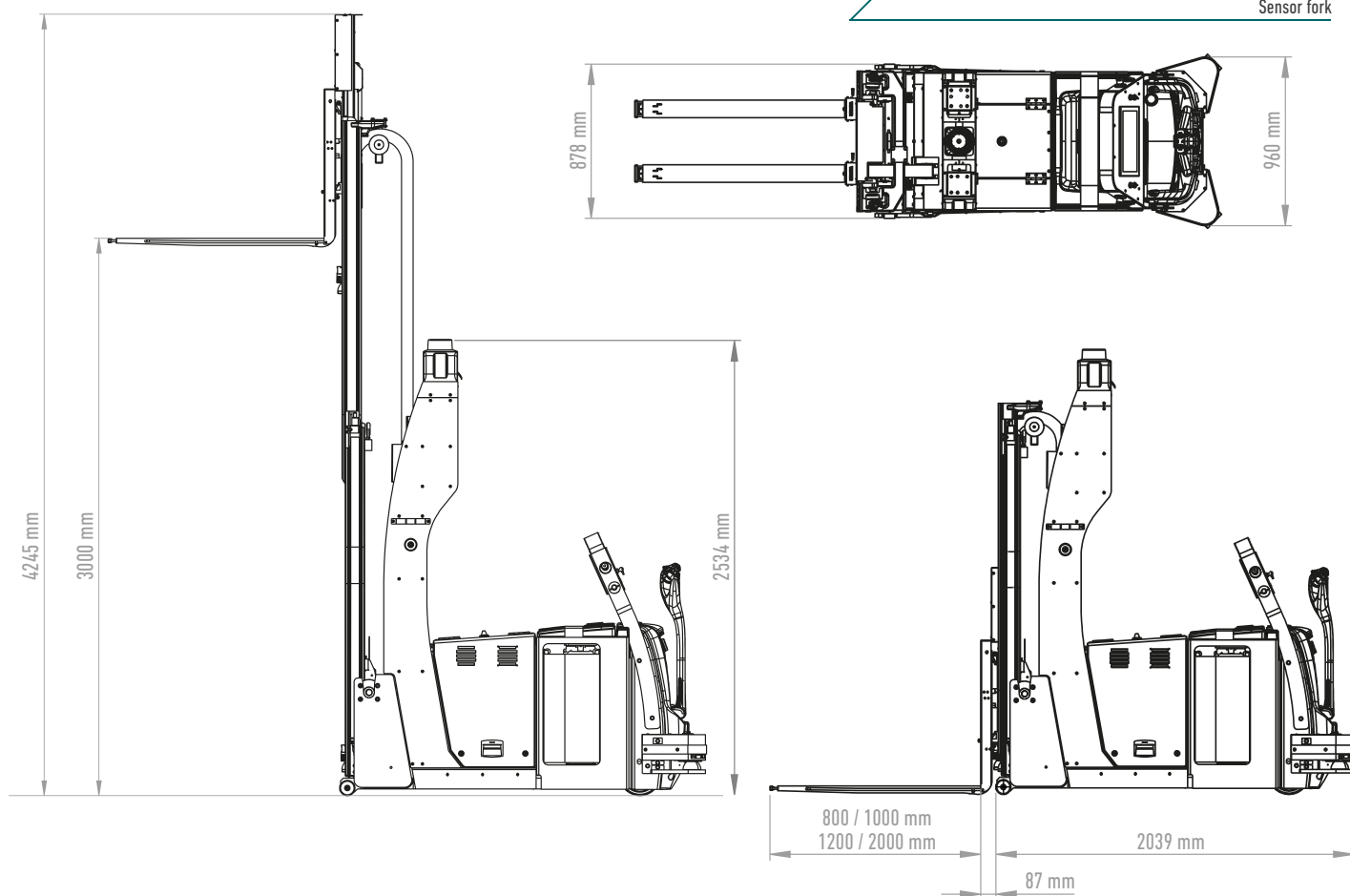
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Technical data and illustrations not binding for deliveries. Subject to change without notice.

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AUTOMATION

Technical data	
Base unit	Linde L16AC
Self-weight	2.721 kg
Payload at 500 mm LSP (Load center distance)	1.600 kg
Payload at 600 mm LSP (Load center distance)	1.150 kg
Max. lifting height	3.000 mm
Max. Speed (v-Max)	1,67 m/s / 6 km/h
Manual operation	Anytime possible
Automation	
Automation system	SIEMENS TIA + ROS
Type of navigation	SLAM
Positioning precision (localization)	+/- 20 mm
Complies with safety standard	CE-certified according to DIN EN ISO 3691-4
Safety technology (Personal protection)	3x 2D-Safety-Laser-Scanner
Protection of elevated loading / unloading area (Option) Safe container detection with protection field switching (Option)	2D-Safety-Laser-Scanner on-board and height-adjustable
Collision detection (Option)	2x 3D-Camera
Container measurement (Option)	3D-Camera
Container identification (Option)	Code-Scanner 2D / 3D
Weight detection (Option)	Sensor forks
Energy source	
Type of battery	Lithium-ion 150Ah / 210Ah / 300Ah / 420Ah / 630Ah
Charging process	Automatic & manual charging
Communication	
VDA5050	Ready
Technology	WiFi / 5G



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Runway requirement

Example euro pallet 1.200 x 800 mm

