

ATi-M

Autonomous Tugger Train Indoor - Medium



manual  autonomous

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DATASHEET · EN · 240425 · ATi-M · 1/4

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

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AUTOMATION

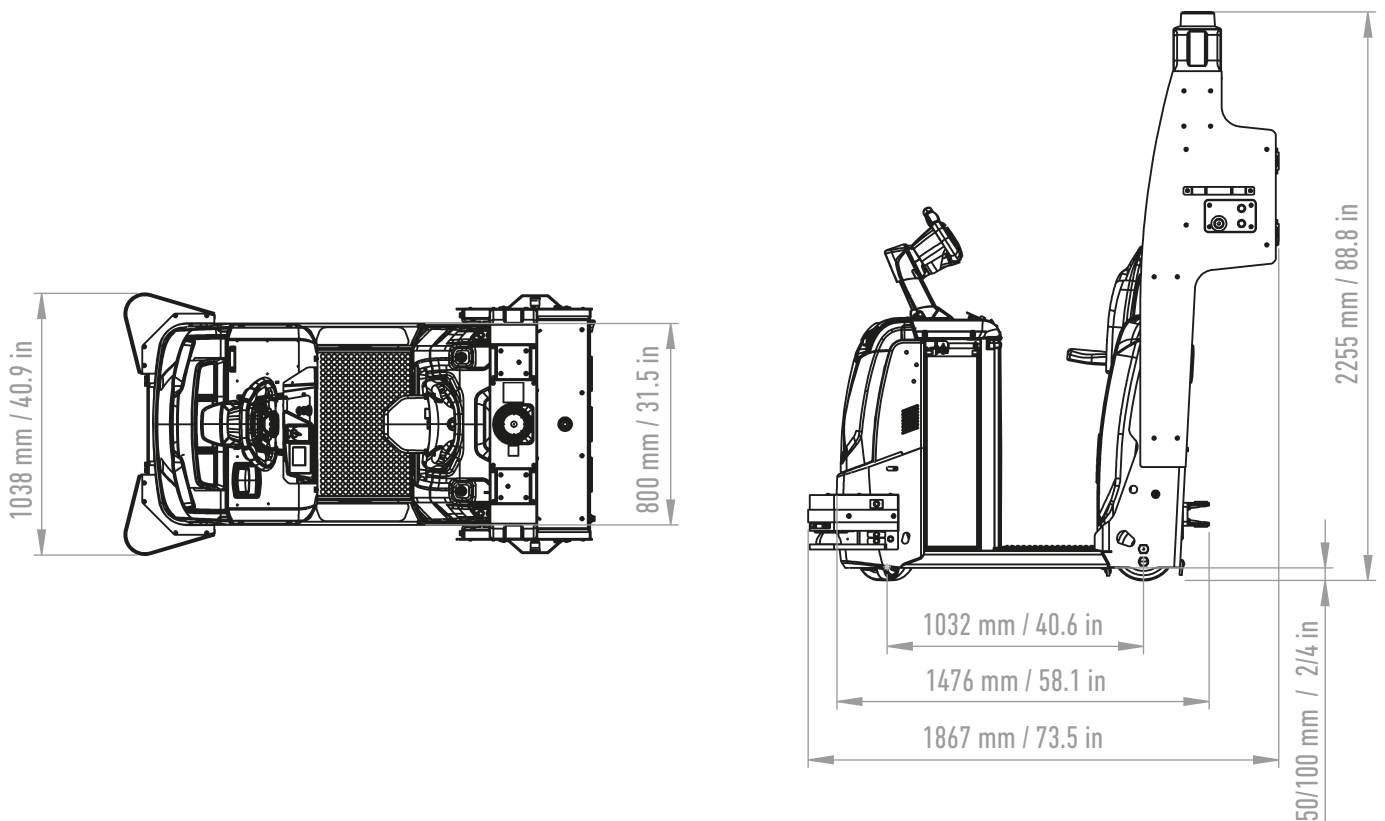
Technical data	
Base unit	Linde P60C / STILL LTX-50
Self-weight	1.238 kg (2,729.4 lbs)
Max. pull weight (W-Max)	6.000 kg (13,227.7 lbs) (Depending on v-Max)
Max. Speed (v-Max)	10 km/h (6.2 mph) (Depending on W-Max)
Max. Rampslope	10% (Depending on W-Max)
Manual operation	Anytime possible
Trailer specification	
Max. trailers	6
Types	Inventory / New
Custom trailer	On demand
Protection trailing curve	DIN EN 1512
Automation	
Automation system	SIEMENS TIA + ROS
Type of navigation	SLAM
Positioning precision	+/- 20 mm (+/- 0.79 in)
Complies with safety standard	DIN EN ISO 3691-4
Safety technology (Personal protection)	2x 2D-Safety-Laser-Scanner
Collision detection (Option)	2x 3D-Camera
Auto Uncouple (Option)	Motorized trailer clutch
Smart Devices Connection (Option)	e.g. Smart Watch
Under-run AGV handover	On demand
Conveyor technology handover	On demand
Energy source	
Type of battery	Lithium-ion / lead-acid / fuel cell
Charging process	Automatic & manual charging
Communication	
VDA5050	Compatible
Technology	WiFi / 5G

2D-LiDAR-Sensor SLAM Navigation

HMI IPC Touch-Panel
Operating unit and control system



2D-Safety-Laser-Scanner
Safe monitoring of the area
360° around the vehicle



Runway requirement

Example trailer < tugger train

