



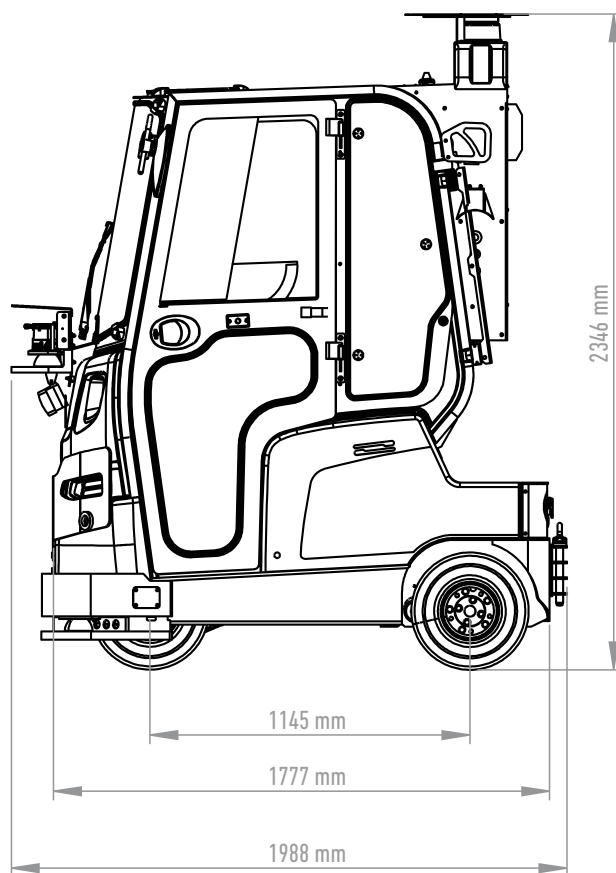
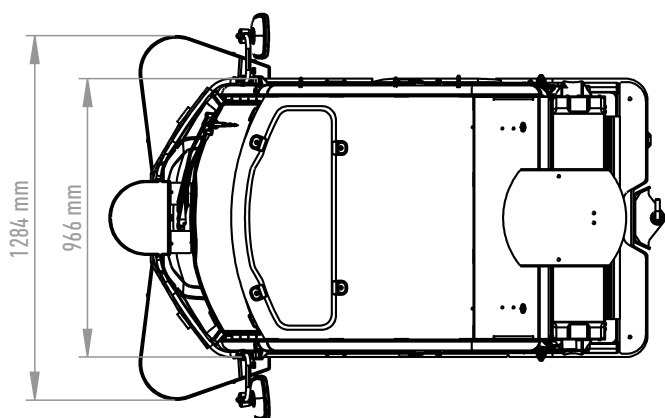
manual  autonomous

Technical data	
Base unit	Linde P60 / STILL LTX-70
Self-weight	1.746 kg
Max. pull weight (W-Max)	8.000 kg (Depending on v-Max)
Max. Speed (v-Max)	8 km/h (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
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
Collision detection (Option)	2D-Safety-Laser-Scanner
Sensor-Cleaning (Option)	Air / Water
Auto Uncouple (Option)	Motorized trailer clutch
Energy source	
Type of battery	Lithium-ion / lead-acid
Charging process	Automatic & manual charging
Communication	
VDA5050	Ready
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
front and side



ATo-H

Autonomous Tugger Train Outdoor - Heavy

Runway requirement

Example trailer < tugger train

