



Automated guided vehicle OL1200S

TECHNICAL DATA | OL1200S



More autonomous, quicker, and smarter – with the OL1200S, we present the next generation of automated guided vehicles for long goods carriers and large payloads of up to 1,200 kg (2,645 lbs). It has one clear purpose: to accelerate automated goods transportation and simplify complex processes.

Omnidirectionally drivable and equipped with smart sensors, the OL1200S can transport large components in the smallest of spaces. Its high degree of flexibility significantly increases performance compared to conventional tugger trains while also providing sustainable streamlining of necessary peripherals.

This saves space, reduces costs, and increases uptime of the overall system which maximizes efficiency and profitability, especially with large components and long goods carriers.



Performance data, dimensions and weight

Length	1,450 mm
Width	760 mm
Height (lifting unit lowered)	330 mm (13 in) tip pickup mandrel, 312 mm (12.28 in) contact surface
Lifting height	Approx. 140 mm (electrically)
Total weight	Approx. 580 kg
Payload	Approx. 1,200 kg asymmetric, up to 1,500 kg symmetric
Speed (unloaded)	Up to 1.66 m/s
Speed (loaded)	Up to 1.66 m/s
Slope travel	Up to 5 % limited to max. 10 m length
Navigation	Contour navigation (safety scanner detects surrounding and compares with internal map)
Drive mode	Forward and reverse, omnidirectional
Positioning accuracy	±15 mm
Safety	2 certified safety laser scanners (diagonally located at corners) Galvanic isolation as per DIN EN 1175 (VDE0117)

Operating voltage	48 V DC
Battery	Lithium iron phosphate
Battery charging system	Fixed contact, up to 80 A charge rate
Charging time	15 - 80 % SOC approx. 30 min.
Operating time	24 hours, 7 days
IP certification	IP32
Temperature range	+10 to +40 °C (0 °C - 40 °C on request)
Humidity	Max. 80 % non-condensing
Sound pressure level	<69 dB (A)

Options:

Autonomous load carrier detection	<input checked="" type="checkbox"/>
Drive range monitoring	<input checked="" type="checkbox"/>
Blue light	<input checked="" type="checkbox"/>
Brush strip	<input checked="" type="checkbox"/>

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