

▼ General information

Designated use	Autonomous mobile robot (AMR) for internal transportation of heavy loads and pallets
Color	RAL 9005 / Jet Black
Disclaimer	Specifications may vary based on local conditions and application setup

▼ Dimensions

Length	1 350 mm 53.1 in
Width	910 mm 35.8 in
Height	322 mm 12.7 in
Weight	247 kg 545 lbs
Ground clearance	27 mm 1.0 in
Load surface	1 304 x 864 mm 51.3 x 34 in

▼ Payload

Maximum payload	1 350 kg 2 976 lbs
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▼ Speed and performance

Maximum speed	1.2 m/s (4.3 km/h) 3.9 ft/s (2.7 mph)
Operational corridor width	With default setup: 2 150 mm 84.6 in With improved setup: 1 200 mm 47.2 in
Operational corridor width for two robots passing	With default setup: 4 250 mm 167.3 in With minimized footprint and muted Protective fields: 2 700 mm in 106.3 in
Positioning accuracy (in controlled conditions)	Docking to L-marker: ± 3 mm Docking to VL-marker: ± 2 mm 0.08 in on X-axis, ± 3 mm 0.12 in on Y-axis, ± 0.25° yaw
Traversable gap tolerance	Less than 30 mm 1.18 in
Operational doorway width	With default setup: 2 050 mm 80.7 in With improved setup: 1 200 mm 47.2 in
Active operation time with maximum payload	Up to 7 h
Active operation time with no payload	Up to 10 h
Standby time (robot is on and idle)	Up to 12 h 30 min
Maximum incline/decline	± 1% at 1.2 m/s

▼ Power

Battery type	Li-NMC, 47.7 V, 34.2 Ah
Charging ratio	Up to 1:12 (10 min charging gives 2 h runtime with maximum payload)
Charging current	Up to 35 A
Number of full charging cycles	Minimum 3 000 cycles

▼ Environment

Environment	For indoor use only
Ambient temperature range, operation	5–40°C 41–104°F
Humidity	10–95% non-condensing
IP rating	IP 52
Floor conditions	No water, no oil, no dirt

▼ Compliance

EMC	EN61000-6-2, EN61000-6-4, (EN12895)
Safety standards for industrial vehicles	CE, EN1525, ANSI B56.5, ISO3691-4, RIA15.08, ISO13849-1