

Designated use

Collaborative mobile robot For smaller transport tasks within the industry, logistics and healthcare

Dimensions

Length	890 mm
Width	580 mm
Height	352 mm
Clearance	50 mm
Weight (without load)	67 kg
Load surface	600 x 800mm

Color

RAL 9010 Pure White

Payload

Robot payload	100 kg (maximum 5% incline)
Towing capacity	300 kg (see MiRHook 100 specifications)

Speed and performance

Running time	10 hours or 20 km
Maximum speed	forwards: 1.5 m/s (5.4 km/h) / backwards: 0.3 m/s (1 km/h)
Turning radius	520 mm (around center of robot)
Positioning accuracy	+/-50 mm of position, +/-10 mm to docking marker
Traversable gap and sill tolerance	20 mm

Power

Battery	Li-NMC, 24 V, 40 Ah; charging time: up to 3 hours (0-80%: 2 hours)
Internal charger	Input: 100-230 V ac, 50-60 Hz / Output: 24 V, max 15 A

Environment

Ambient temperature range	+5°C to 50°C (humidity 10-95% non-condensing)
IP class	IP 20

Communication

Wi-Fi	Dual-band wireless AC/G/N/B
Bluetooth	4.0 LE, range: 10-20 m
I/O	USB and Ethernet

Sensors

SICK safety laser scanners S300 (front and back)	360° visual protection
3D camera Intel RealSense™	Detection of objects ahead 50-500 mm above floor
Ultrasonic scanners (4 pcs.)	Current status: Ongoing development. Application: Detection of transparent objects.

Top module

Max. height from floor to top	1800 mm
Center of gravity	Lower than 900 mm above the floor



