

## 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.)	Detection of transparent objects ahead, e.g. glass doors

## Top module

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



