

## 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
Height above floor	50 mm
Weight (without load)	67 kg
Load surface	600 x 800 mm

## Color

Ral 7011 Iron Grey

## Payload

Robot Payload	200 kg (maximum 5% incline)
Towing Capacity	500 kg (see MiRHook 200 specifications)

## Speed and performance

Running time	10 hours or 15 km
Maximum speed	forwards: 1.1 m/s (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	IP20
Certifications	ESD certified

## Communication

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

## Sensors

SICK safety laser scanners S300 (front and back)	360° visual protection around robot
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



