

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)	65 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 (with cable): up to 4.5 hours (0-80%: 3 hours); charging time (with charging station): up to 3 hours (0-80%: 2 hours)
External Charger	Input: 100-230 V ac, 50-60 Hz / Output: 24 V, max 10 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



