

MiR200™

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)	68.5 kg
Load surface	600 x 800 mm

Color

RAL	7011
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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	+/-5 cm of position, +/-1 cm 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

WiFi Dual-band wireless AC/G/N/B

Bluetooth 4.0 LE, range: 10-20 m

I/Os USB and Ethernet

Safety sensors

SICK 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.) 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
