

# 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

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**Battery** Li-NMC, 24 V, 40 Ah; charging time: up to 3 hours (0-80%: 2 hours)

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**Internal charger** Input: 100-230 V ac, 50-60 Hz / Output: 24 V, max 15 A

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## Environment

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

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**IP class** IP 20

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## Communication

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

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**Bluetooth** 4.0 LE, range: 10-20 m

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**I/Os** USB and Ethernet

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## Safety sensors

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

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**3D camera Intel RealSense™** Detection of objects ahead 50-500 mm above floor

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**Ultrasonic scanners (4 pcs.)** Detection of transparent objects ahead, e.g. glass doors

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## Top module

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**Max. height from floor to top** 1800 mm

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**Center of gravity** Lower than 900 mm above the floor

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