

Designated use	
Collaborative mobile robot	For smaller transport tasks within the industry, logistics and healthcare
Dimensions	
Length	890 mm - 35"
Width	580 mm - 22.8"
Height	352 mm - 13.9"
Clearance	50 mm - 2"
Weight (without load)	67 kg - 147 lbs
Load surface	600 x 800 mm - 23.6" x 31.5"
Color	
RAL 9010	Pure White
Payload	
Robot payload	100 kg - 220 lbs (maximum 5% incline)
Towing capacity	300 kg - 661 lbs (see MiRHook 100 specifications)
Speed and performance	
Running time	10 hours or 20 km - 20 mi.
Maximum speed	forwards: 1.5 m/s (3.4 mph) / backwards: 0.3 m/s (0.6 mph)
Turning radius	520 mm - 20.5" (around center of robot)
Positioning accuracy	+/-50 mm (2") of position, +/-10 mm (0.4") to docking marker
Traversable gap and sill tolerance	20 mm - 0.8"
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	41°F to 122°F (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 (2"- 20") 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 - 70.9"
Center of gravity	Lower than 900 mm - 35.4" above the floor



