

## Designated use

Collaborative mobile robot for internal transportation of heavy loads and pallets within the industry and logistics

## Dimensions

Length	1350 mm
Width	920 mm
Height	320 mm
Weight (without load)	230 kg
Load surface	1300 x 900 mm

## Color

Ral 9005 Signal Black

## Payload

Robot Payload 1000 kg

## Speed and performance

Maximum speed 1.2 m/sec

## Power

Battery	Li-NMC, 48 V, 40 Ah
Charging time (10% to 90%)	1 hour with MiRCharge 48V, 2 hours with cable charger
Battery charging cycle	Minimum 1000 cycles
External Charger - Cable or Dock	Input: 100-230 V ac, 50-60 Hz / Output: 48 V, max 40 A
Charging current, MiRCharge 48V	35 A
Charging current, cable charger	20 A

## Environment

Ambient temperature range	+5°C to 40°C (humidity 10-95% non-condensing)
Certifications	Complies with ISO/CD 3691-4, EN1525, ANSI B56.5 EMC EN61000-6-2, EN61000-6-3

## Communication

WiFi	Router: 2.4 GHz and 5 GHz. Internal computer: WiFi adapter: 2.4 GHz and 5 GHz, 2 internal antennas
I/Os	4 digital inputs, 4 digital outputs, 1 Ethernet port with Modbus protocol Safety I/O (8 inputs, 5 outputs)

## Sensors

SICK microScan3 safety system (2 pcs.)	360° visual protection around robot
3D camera (2 pcs.)	Detects objects 1700 mm high at a distance of 950 mm in front of the robot



