

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



