

## 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)	250 kg
Load surface	1300 x 900 mm

## Color

Ral 7011 Iron Grey

## Payload

Robot Payload 500 kg

## Speed and performance

Battery run time	8 hours
Maximum speed	2 m/sec (7.2 km/hour)
Ramps and inclines	5% incline of 10 meter with 0.5m/s

## Power

Battery	Li-NMC, 48 V, 40 Ah
Charging time	1 hour
Battery charging cycle	Minimum 600 cycles
External Charger - Cable or Dock	Input: 100-230 V ac, 50-60 Hz / Output: 48 V, max 40 A

## Environment

Ambient temperature range	+5°C to 40°C (humidity 10-95% non-condensing)
Certifications	Complies with ISO/EN 13849 EMC requirement for light industrial use and industrial use

## Communication

WiFi	Dual-band wireless AC/G/N/B
I/Os	One Ethernet connection with Modbus protocol, Power: 3 x 24 V output 4 inputs, 4 outputs (IEC61131-2) Safety I/O (8 inputs, 4 outputs)
Cabled joystick	For manual control according to ISO/EN 13849

## Sensors

SICK microScan3 safety system (2 pcs.)	360° visual protection around robot
3D camera (2 pcs.)	Detection of objects ahead: 30-2,000 mm above floor



