

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 1.2 - 2.0 m/sec*
 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)

Sensors

SICK microScan3 safety system (2 pcs.) 360° visual protection around robot
 3D camera (2 pcs.) Detection of objects ahead: 30-3,500 mm above floor



* 2,0 m/sec speed upgrade kit available from 01.01.2019

