

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

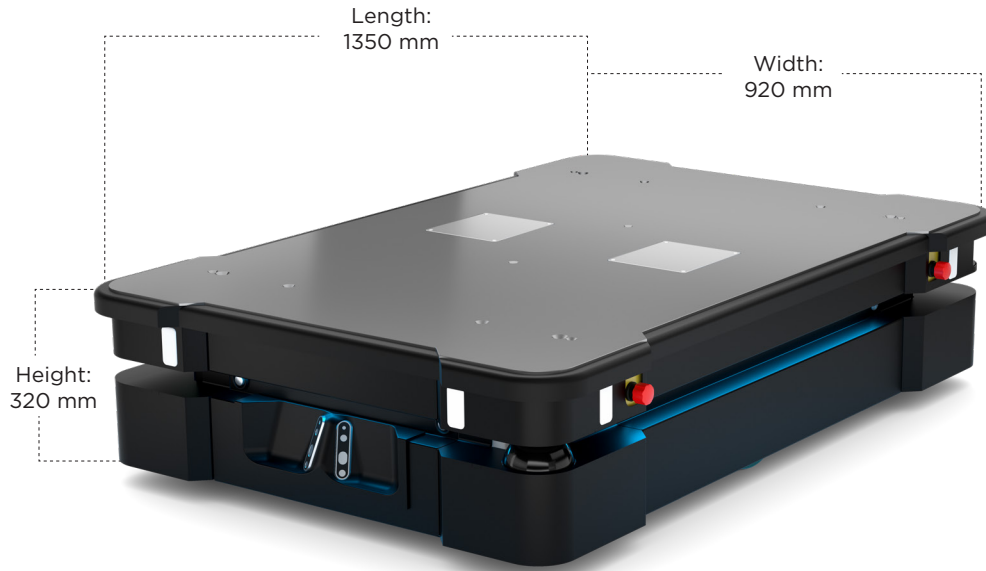
WiFi Router: 2.4 GHz and 5 GHz. Internal computer: WiFi adapter: 2.4 GHz and 5 GHz, 2 internal antennas
 I/Os 4 digital inputs, 4 digital outputs, 1 Ethernet port with Modbus protocol
 Safety I/O (8 inputs, 5 outputs)

Sensors

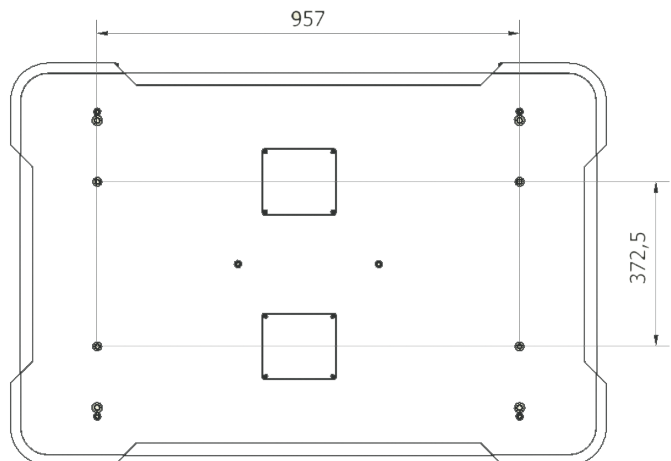
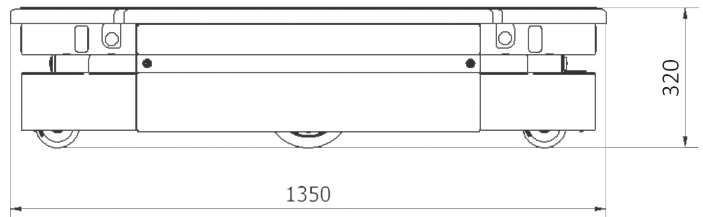
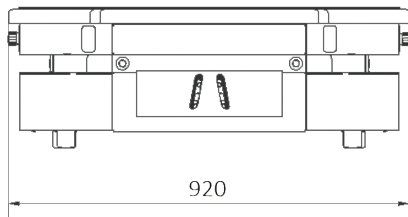
SICK microScan3 safety system (2 pcs.) 360° visual protection around robot
 3D camera (2 pcs.) Detects objects 1700 mm high at a distance of 950 mm in front of the robot



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