GoPal® E24W

The GoPal AMR solution from Robotize sets new standards for versatility, efficiency and safety in automated internal pallet transport



TECHNICAL SPECIFICATIONS

GoPal® E24W

APPLICATION

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering standard Euro-pallets/half Euro-pallets/industrial Euro-pallets with medium-to-very heavy payload (max. 1200 kg).

DIMENSIONS

Length x Width x Height 1400 x 1060 x 340 mm

Robot weight 215 kg

PERFORMANCE

Battery time (autonomy) 6-14 hours or 20 km*

Maximum speed 2,2 m/s (7,9 km/h)*

Turning radius (from robot centre) 1000 mm

SAFETY

Laser scanners (360° protection)

Mechanical bumper (360° protection)

4 x emergency stop buttons

ADDITIONAL OBSTACLE AVOIDANCE SENSORS

3 x 3D cameras (two front facing and one rear facing)

BATTERY

Type / Voltage LiFePO₄ / 48 V

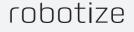
Charge time 45 minutes (full charge)

Number of charges About 5000

CHARGER INTERFACE

Automatic docking interface (at robot front)

Connector for manually charging (at robot rear)



 $^{^*}$ depending on load conditions.

TECHNICAL SPECIFICATIONS

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COMMUNICATION

Wi-Fi 802.11ac

ENVIRONMENTAL

Operating temperature -10°C to +45 °C

Humidity (max.) 95% (non-condensing)

FLOOR REQUIREMENTS

Slope average (max.) Near-level (2 %)

Friction coefficient (min.) 0.60
Edge height (max.) 3 mm

LOAD

Payload (max.) 1200 kg
Length (max.) 1240 mm
Width (max.) 1000 mm
Height (max.) 2400 mm*

PALLET TYPES

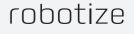
Standard Euro-pallets, standard half Euro-pallets and Industrial Euro-pallets. Others on inquiry.

PALLET CONDITION

Undamaged, original strength maintained (grade A or B)

LANE CONDITIONS

Minimum lane width 1400 mm
Recommended lane width 2300 mm
High speed lane width 3000 mm



^{*}depending on load conditions.

robotize

Advanced internal logistics made safe and simple