



AFORMIC

FP3

COMPACT MODULAR UNDERRIDE ROBOT

FP3 fits perfectly into space-constrained environments, while its modular configuration enables seamless adaptation to diverse intralogistics tasks.

FAST & COMPACT

The FP3 reaches speeds of up to 2 m/s, enabling quick and efficient movement in fast-paced settings to boost overall productivity.

Its compact design ensures smooth operation in tight and dynamic spaces, maximizing space utilization.

ENGINEERED FOR MODULARITY

The FP3 can be equipped with a range of accessories—such as custom racks, lifters, and attachments—to meet specific intralogistics requirements.

Its modular design enables seamless adaptation to diverse workflows and operational demands, enhancing both efficiency and versatility. This flexibility makes the FP3 a truly adaptable solution for a broad spectrum of logistics applications.



ADVANCED SLAM NAVIGATION

Equipped with SLAM technology, the FP3 enables real-time mapping and accurate localization. This supports efficient route planning, dynamic obstacle avoidance, and adaptability to changing environments, ensuring reliable operation in dynamic and complex intralogistics settings.

GENERAL SPECIFICATIONS

- Payload capacity: 300 kg
- Dimensions (L x W x H): 900 x 600 x 300 [mm]
- Lifting height: 25 mm
- Weight: 200 kg
- Maximum speed: 2.0 m/s
- Drive type: differential
- Drive power: 2 x 0.75 kW

POWER SYSTEM

- Battery type: Lithium-ion (Li-ion)
- Battery capacity: 51 Ah
- Battery voltage: 48 V

TERRAIN CAPABILITIES

- Maximum longitudinal inclination: 3.0°
- Maximum lateral inclination: 3.0°
- Positioning accuracy (+/-): 1.0 cm

SAFETY FEATURES

- Laser scanner field of view: 360°
- Safety scanners:
 - Sick Micro Scanners: 2 units
- Emergency push buttons: 4 units
- Blue spot lamp: 2 units
- IMU module: 1 unit

NAVIGATION SYSTEMS

- SLAM Technology: yes
- Odometry: yes
- IMU (Inertial Measurement Unit): yes

ENVIRONMENTAL CONDITIONS

- Operating temperature: 15°C – 40°C
- Relative humidity: >70%

DIMENSIONS [MM]

