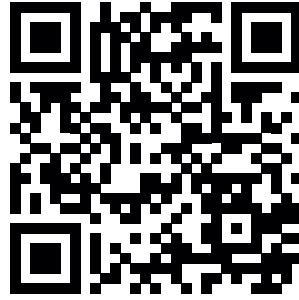


IL 600 | 1200

Autonomous Mobile Robot



Designed to fit. Built to perform.

Autonomous Mobile Robot, Intralogistics 600 | 1200

Technical Data

Dimensions	
Length	1455 mm
Width	630 mm
Height	225 mm
Weight	240 kg
Ground Clearance	28 mm

Performance Characteristics	
Maximum Payload	IL 600: 600 kg IL 1200: 1200 kg
Maximum Lifting Height	50 mm
Top Speed	Up to 2.0 m/s
Rotation Diameter	260 cm
Navigation	SLAM (optional: Reflector Enhanced)
Positioning Accuracy	Fine positioning: ± 5 mm

Power Supply	
Battery	Li-Ion / 48V / 2.5 kWh
Charge Current	30 A
Charging Strategy	Opportunity Charging
Charging Time	1:20 h

Environment	
Ambient Temperature	5°C - 40°C
Humidity	10% to 90% @ 39°C, non-condensing

Safety	
Sensors	4× Laser Scanner, 2× 3D-Camera
Safety Functions	Laser Scanner, 3D-Camera, Emergency Stop, Warning Light, optional: Signal Tower
Detection Range	360°
Safety Standards	ISO 3691-4:2020, UL 3100:2021, MRL 2006/42/EG, EMV RL 2014/30/EU, RED RL 2014/53/EU, ISO 13849-1:2015, ISO 13849-2:2012, EN 1175:2020, CE, UL 3100:2021, ANSI/RIA R15.08-1-2020, ANSI/ITSDF B56.5-2019
IP Code	IP20

Connections	
Wi-Fi Connection	2.4 GHz and 5 GHz
Integration	VDA 5050 compatible
Manual Control	USB Controller, Control via notebook / mobile phone



Designed to fit. Built to perform.

Autonomous Mobile Robot, Intralogistics 600 | 1200

Technical Data

Dimensions	
Length	57.3 in
Width	24.8 in
Height	8.9 in
Weight	529 lbs
Ground Clearance	1.1 in

Performance Characteristics	
Maximum Payload	IL 600: 1323 lbs IL 1200: 2646 lbs
Maximum Lifting Height	2.0 in
Top Speed	Up to 6.6 ft/s
Rotation Diameter	102.4 in
Navigation	SLAM (optional: Reflector Enhanced)
Positioning Accuracy	Fine positioning: ± 0.2 in

Power Supply	
Battery	Li-Ion / 48V / 2.5 kWh
Charge Current	30 A
Charging Strategy	Opportunity Charging
Charging Time	1:20 h

Environment	
Ambient Temperature	41°F – 104°F
Humidity	10% to 90% @ 102.2°F, non-condensing

Safety	
Sensors	4× Laser Scanner, 2× 3D Cameras
Safety Functions	Laser Scanner, 3D Camera, Emergency Stop, Warning Light; optional: Signal Tower
Detection Range	360°
Safety Standards	Machine Regulation (EU) 2023/1230, Radio Equipment Directive 2014/53/EU, ISO 13849-1:2023, EN ISO 13849-2:2012, EN 1175:2020, EN 12895:2015+A1:2019, CE, UL 3100:2021, ANSI/RIA R15.08-1-2020, ANSI/ITSDF B56.5-2019
IP Code	IP20

Connections	
Wi-Fi Connection	2.4 GHz and 5 GHz
Integration	VDA 5050 compatible
Manual Control	USB Controller, control via notebook / mobile phone

