

Autonomous Floor Scrubber

M100E



Key features

- **Outstanding Performance:** Cleans up to 12,000 m² in 4 hours on a single charge.
- **Advanced Sensor Technology:** Equipped with 2D and 3D LiDAR, four depth cameras, and ultrasonic radar for precise navigation.
- **Flexible Operation:** Easily switch between autonomous and manual modes to adapt to different operational needs.
- **High Efficiency:** Powerful suction, wide cleaning coverage, and three adjustable brush pressure levels ensure effective cleaning.
- **Autonomous Operation:** Path planning, route memory, and obstacle avoidance enable operation without constant supervision.
- **Enhanced Safety:** Dead-angle detection, a rear camera, and automatic braking ensure safe operation.

Specifications

General

Dimensions	1660 × 940 × 1475 mm (squeegee excluded); 1715 × 1120 × 1475 (squeegee excluded)
Unladen weight / full-load weight	318 kg / approximately 481 kg
Max. operator weight	200 kg
Drive mode	Two rear-wheel drive
Noise level	<75 dBA
Max. speed	6.5 km/h
Full load gradeability	15° (26%)
Human-machine interface	10.1-inch touch screen
IP rating	IPX3
Communication	4G and Wi-Fi

Performance

Min. turning radius	1211 mm
Operating temperature	0°C to 40°C
Storage temperature	0°C to 60°C
Vision module	Binocular camera

Disk brush

Type	Double disk brushes
Rotational speed	200 rpm
Down pressure	30–50 kg
Size	406 mm

Sensors

Sensors	3D LiDAR, 2D LiDAR, ultrasonic sensor, infrared sensor, safety edge, and binocular camera
Algorithm module	Professional algorithm board

Cleaning Operation

Cleaning width	860 mm
Max. cleaning speed	5,590 m ² /h
Solution tank capacity	120 L
Recovery tank capacity	140 L
Drain mode	Manual

Vacuum motor

Power	560 W
Degree of vacuum	18 kPa

Power supply

Battery type	Ternary lithium battery
Rated power	3000 W
Battery capacity	4032 Wh (2016 Wh × 2)
Charging time	4.5 h
Battery life	3.5 h
Voltage	DC 48 V

Other

Other features	Obstacle detection, auto stop at obstacles, rear camera, cruise control, U-turn button, zero turn, OTA update, and power-on self-test
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