



BEETLE

(Performance Edition)

Heavy-Duty Autonomous Sweeper
for Indoor & Outdoor Use



Key Features

Advanced Navigation

3D LiDAR

Mapping and localization using a 3D LiDAR, ensuring robust, reliable operation in challenging environments, whether in low-light conditions, high-dynamic areas, or open spaces.

Drop & Go

Adapts to dynamic layouts without manual remapping—intelligently identifies and cleans active event areas.



Unrivalled Productivity

Spot Cleaning Mode

Proactively detects and cleans waste using RGB-D camera and AI algorithms, bringing 4X efficiency improvement and covering over 40,000 m² in one night.

750mm Cleaning Width

Achieves up to 3,240m²/h in regular sweeping mode.

Ultimate Cleaning Power

High-Power Suction Motor

Efficiently handles a wide range of debris, from fine dust and sand to larger materials like paper scraps, bottles, and even wood chips.

Effective Dust Control & Auto HEPA Cleaning

Prevents airborne particles by capturing fine dust securely in the trash bin through strong airflow and efficient HEPA filtration, with automatic HEPA cleaning after each task.

Ultra-Long Endurance

High-Capacity Trash Bin & Battery

Equipped with a 45L large trash bin and a durable 60 Ah LFP battery with a 4-8 hour runtime.

Autonomous Charging

Supports 24/7 continuous operation with an optional charging dock.

Agile Maneuverability

750mm Path Clearance

Navigates narrow aisles adeptly with a 750mm path clearance, providing smooth operation in tight spaces.

Zero-Distance Edge Cleaning

Delivers zero-distance cleaning along edges, ensuring no gaps are left behind.

40000 m²

COVERAGE IN ONE NIGHT



Specification

Dimension (L×W×H)	960×650×680 mm (w/o side brushes; w/o visibility flag)
Net Weight	Standard: 102 kg 225 lb Pro: 112 kg 247 lb
Cleaning Width	750 mm 29.5 in (with side brush)
Max. Cleaning Efficiency(Theoretical)	Regular mode: 3,240 m ² /h 34,875 ft ² /h
Max. Air Flow Volume	1,500 m ³ /h
Trash Bin Capacity	45 L 11.9 gal
Edge Cleaning Capability	0 mm 0 in
Gradeability	8° (14%)
Min. U-Turn Width	1,200 mm 47.2 in
Max. Cleaning Speed	1.2 m/s 3.9 ft/s
Battery Capacity	Standard: 40 Ah Pro: 60 Ah
Runtime	Standard: 3 h Pro: 5 h
Charging Time	<2.5 h
Sensor System	3D LiDAR, RGB Camera, RGB-D Camera

Note : The specifications are derived from Gausium lab test results; actual performance data may vary in specific applications.

Let's **'Beetle'**
your cleaning challenges