

ATRONEX

Empowering Intelligent Autonomy

Handy-man A60

Commercial Autonomous Mower - Technical Specifications

The Handy-man A60 is an industrial-grade autonomous mower with hybrid power system, built for parks, campuses, golf courses, and large commercial properties. It replaces 2-3 manual operators while delivering consistent, professional results.

A60 Hybrid Model

Specification	Value
Dimensions (LxWxH)	1860 x 1650 x 1050 mm
Weight	450 kg
Cutting Width	60 inches
Cutting Height	20-120 mm (adjustable)
Cutting Power	2.2 kW x 3 blades
Efficiency	6,000 m ² /hour
Max Speed	1.4 m/s
Runtime	8-10 hours
Power System	Petrol + Electric Hybrid
Drive System	4-wheel drive
Slope Capability	Up to 30°

IP Rating	IP53
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A60I Fully Electric Model

Specification	Value
Dimensions (LxWxH)	1620 × 1350 × 680 mm
Weight	301 kg
Cutting Width	60 inches
Cutting Power	1.5 kW × 3 blades
E-Drive Motors	4 × 0.5 kW
E-Motor Torque	1.6 N·m
Battery Capacity	400 Ah
Voltage	48V
Runtime	6 hours
Emissions	Zero

Navigation & AI Systems

Specification	Value
Navigation Accuracy	1 inch (RTK GPS)
AI Processor	NVIDIA Jetson Orin (100 TOPS)
Obstacle Detection	MM-wave radar + Visual avoidance
Cameras	4× HD cameras, 360° coverage
Path Planning	AI-optimized coverage patterns
Mowing Pattern	Intelligent supplementary mowing

Coverage Efficiency	99.5%
App Control	Yes - iOS & Android

Key Features

- Autonomous/Manual mode switching - seamless transition
- Lightweight aluminum body - corrosion resistant, durable
- 4WD all-weather performance - works in wet conditions
- Zero-turn agility - maximum maneuverability
- Silent transport mode - for noise-sensitive areas
- Energy recovery function - extends runtime
- Multi-layer security protection system
- Remote fleet management via cloud dashboard

Cost Savings

Category	Savings
Labor	Replaces 2-3 manual operators
Energy	30% reduction in fuel/charging costs
Maintenance	Aluminum body eliminates rust replacement