



AMPTM AUTONOMOUS MOWING PLATFORM

Thoughtful Electric Design

Engineered from the start as an all-electric mower to ensure your grass looks its best, even when no one is on-board to watch.

- No risk of oil or fuel spills, because there's no engine or hydraulics.
- Intelligent sustainability. Zero emissions. Lower energy costs. Doesn't disturb the neighbors.
- Protects your ground, even in soft conditions, with better weight balance and patented steering and 4-wheel drive.
- Designed for long life with minimal maintenance.

FIREFLY[®]
AUTOMATIX

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Elevate your fairways.

Take your golf course to new heights with the ultimate in precision and performance: the AMP fairway mower from FireFly Automatrix.

You've already invested in creating the perfect playing surface—now AMPlify those efforts with cutting-edge robotic technology that enhances both the aesthetics and playability of your course.

AMP is the finishing touch your members will notice and appreciate, delivering a flawless cut with unmatched consistency. Embrace the future of course maintenance with AMP.

Get more done.

- Free your grounds crew to attend to more detail work while AMP takes care of the fairway mowing. It can even mow more often, and in the dark.
- Customize and save unlimited optimized paths with our exclusive QuickPlanTM application.
- Get highly accurate and repeatable lines with RTK-corrected GPS guidance.
- Trust AMP's safe operation with LIDAR-enabled object detection.



LEARN MORE



AMP-L100 PITCHRIDE™

ELECTRIC FIVE-REEL
AUTONOMOUS FAIRWAY MOWER



AUTONOMY

GUIDANCE	Dual antenna RTK-corrected GPS
OBJECT DETECTION	3D LiDAR
USER INTERFACE	Cloud-based FireLink™ app
PATH PLANNING	Unlimited customizable, optimized paths with QuickPlan™ app
SOFTWARE SUBSCRIPTION	Secure cloud data service, RTK connection & coverage, cellular & wireless modem connections, software updates and enhancements, Helpdesk support

POWER SYSTEM

BATTERY	Single Lithium Iron Phosphate (LFP) battery
BATTERY RATING	51.2V, 35.3kWh, 690 Ah
RUN TIME	4 - 6 hours per charge
CUTTING CAPACITY	20 - 25 acres (8-10 hectares) per charge
BATTERY LIFESPAN	5,000 cycles until charge reduced to 80% capacity (100,000 acres)
CHARGE TIME	2.5 hrs (option 14 kW 240V/460V), 6 hrs (option 6.9 kW 240V), or 11 hrs (standard 3.3 kW 240V)
MAXIMUM GROUND SPEEDS	Mowing 6 mph (9.7 km/h), Reverse 2 mph (3.2 km/h), Transport 9 mph (14.5 km/h)

TRACTION & STEERING

TRACTION DRIVE & STEERING	Synchronized quad motor 4WD with two independent steering motors
REEL DRIVE	One brushless DC direct drive motor per reel

CUTTING UNITS

MOWER CUTTING WIDTH	100" (2.54 m)
CUTTING REELS	5 x 7" (177.8 mm) diameter x 22" (55.88 cm) wide with front rollers
REEL OPTIONS	7, 8, or 11 blade fairway reels, optional rear powered brushes and scrapers
BLADE MATERIAL	High carbon, high boron, and high manganese alloy steel
HEIGHT OF CUT	0.25 - 1.5" (6.35 - 38.1 mm) adjusts w/ detented hand knobs in 0.01" (0.254 mm) increments
REEL-TO-BEDKNIFE	Adjusts with detented hand knobs in 0.00065" (0.0165 mm) increments
GROUND CLEARANCE	7 - 8" (17.78 - 20.32 cm) depending on Height of Cut
ELECTRIC CUTTING UNIT LIFT	Keypad controlled for 3 positions (Mow/Down, Short Lift, Full Lift)

WEIGHT & DIMENSIONS

TOTAL WEIGHT	3,350 lbs. (1519.5 kg) with 4WD, battery pack, 5 reels
OVERALL HEIGHT	54" (1.37 m) including antenna
WORKING DIMENSIONS	Decks & platform down: Width 114" (2.89 m), Length 132" (3.35 m)
TRANSPORT DIMENSIONS	Decks at short lift position, platform down: Width 102" (2.59 m), Length 132" (3.35 m)
STOWED DIMENSIONS	Decks secured at full lift position, platform up: Width 86" (2.18 m), Length 124" (3.15 m)
WHEEL BASE	66" (1.68 m)
TIRES*	Front: Soft tube, Titan, 27x12LL-15 NHS, Rear: Galaxy Turf Special, 25x10.50LL-15
WARRANTY**	2-year Machine + 5-year Battery

*Available options include different tires and a high-cut model without front rollers. **See your sales representative for complete warranty details. Actual results may vary due to conditions of specific use. Specifications, while correct at time of printing, may change without notice.

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