

TORO

Count on it.

GREENSMASTER[®]
RIDING GREENS MOWERS



**SETTING A NEW STANDARD BY WHICH ALL OTHER
RIDING GREENS MOWERS WILL BE MEASURED.**

GREENSMaster® eTriFlex™ SERIES



ALL-ELECTRIC RIDERS, CHARGED WITH GREENS PERFECTION.

Welcome to a wonderful new world of quiet precision and zero hydraulic fluid. With all electric components for traction, steering, lifting and cutting, these EnergySmart models are operationally-friendly, provide noticeable noise reduction, capture meaningful operational cost savings, and include design enhancements that raise the standard of cutting performance even higher.

Building on the proven, world-benchmark TriFlex® platform, the eTriFlex™ models are enhanced with the Lift-In-Turn cutting unit feature and Radius Dependent Speed (RDS™) System which means that the “Triplex Ring” effect is virtually eliminated and the aesthetics and playability of greens are substantially improved. And with features that improve versatility, simplified service and even more productivity, superior cutting performance is just the beginning.



Greensmaster eTriFlex 3360 Engine/Generator



Greensmaster eTriFlex 3370 Lithium-Ion



Superior Contour-Following

» ADVANCED CUTTING PERFORMANCE

- **Reduced Wheel Scrubbing** – exclusive RDS system with individual wheel speed control during turns
- **Consistent Clip Rate** – maintained for each individual reel, RDS exclusive
- **Level Cut** – the Lift-in-Turn system preserves side to side consistency in turns
- **Superior Contour-Following** – through the proven Double A-Arm mount and Link-System Suspension
- **Precise and Easy Adjustment** – industry-leading DPA cutting units with Flex Technology
- **Improved Turf Health** – via the Enhanced Clipping Capture System
- **Even Cut Line** – Lift & Reel Control automatically adjusts cutting unit raising and lowering timing in sync with ground speed



Patented and Proven Link-System Suspension



GREENSMASTER® eTriFlex™ SERIES

Carefully designed to maintain the proven TriFlex platform's melding of machine and operator, but with electrified components and results.

ELECTRIC POWER

- Engine/Generator: Smooth combination of a 14 hp (10.4 kW) twin-cylinder Kawasaki® gas engine and Lithium-Ion Battery Assist™ Technology that saves up to 20% on fuel and provides amazingly quiet operation.
- Lithium-Ion Battery: All-electric, 48-volt system that can mow up to 20 greens on a single charge while providing virtually silent operation, even after the 4th season.*



INFOCENTER™

Provides advanced diagnostics on all electrical systems for enhanced productivity and keeps the operator fully in command.

ELECTRIC POWER STEERING

Precise and consistent directional control at the fingertips, without the whine or inefficiency of hydraulics.

ELECTRIC LIFT

Speed-dependent timing aligns front and rear cutting units when they contact the turf to minimize clean-up. No hydraulic fluid, no leaks, no worry.

ELECTRIC DRIVE TRACTION

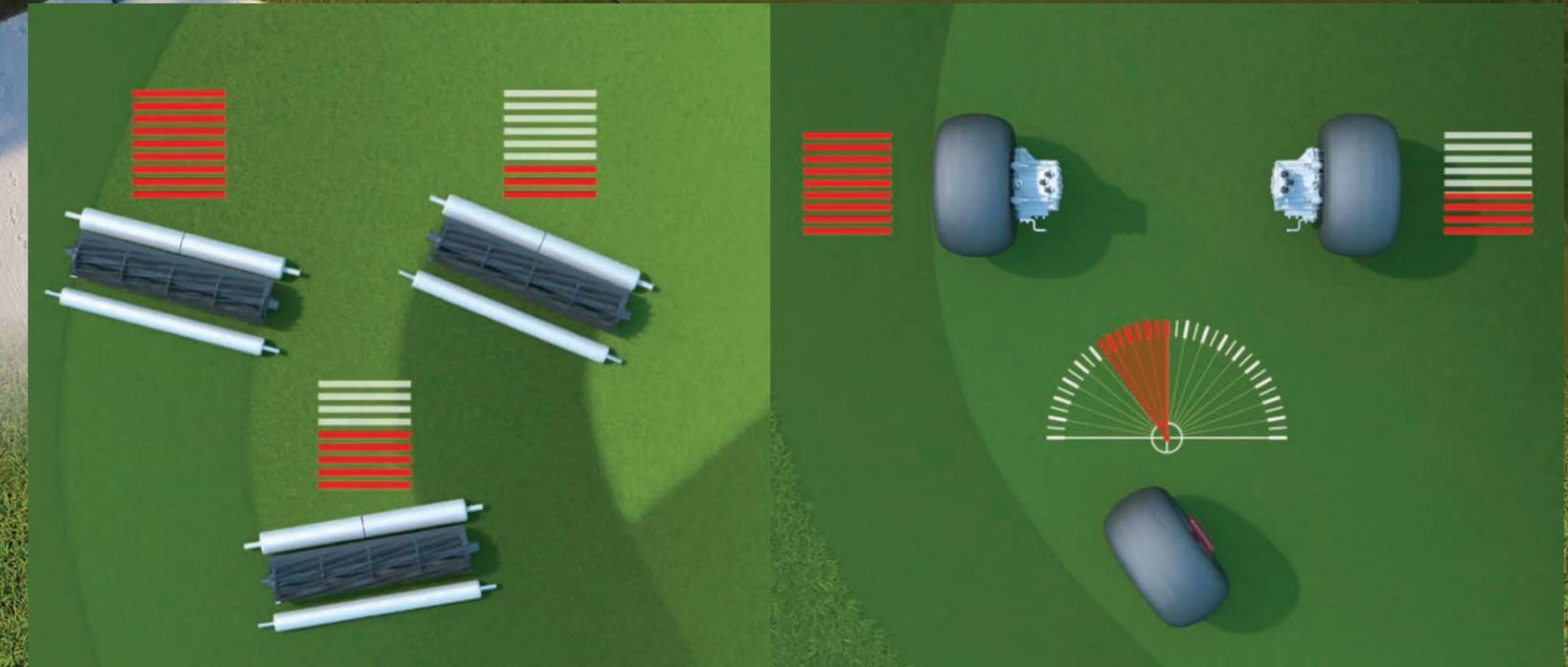
Solid, smooth, and smart optional 3-wheel drive traction featuring our patented Radius Dependent Speed (RDS™) System. While individual wheel speed is digitally controlled during turns for optimized perimeter cuts, the cutting unit clip rate is consistently maintained regardless of machine speed or turn angle. Add to this the proven Lift-in-Turn feature which provides a level cut from side to side and achieves ultimate precision, all without hydraulic fluid.

ELECTRIC DRIVE CUTTING UNITS

Featuring excellent DPA cutting units with EdgeSeries® reels mated to fully electric motors for superior after cut appearance, without hydraulic fluid. These highly efficient, consistent, and durable electric reels provide enhanced cutting performance through the Dial-in-Clip system.

RADIUS DEPENDENT SPEED (RDS™) SYSTEM FOR OPTIMAL PERIMETER CUT

Virtually eliminate "TriPlex Ring" with our new patented system for an optimal perimeter cut.



Clip Rate: Maintains consistent cutting unit clip rate in turns on each individual reel

Wheel Speed Control: Individual wheel speed control during turns for reduced wheel scrubbing

GREENSMASTER® TriFlex® SERIES



Greensmaster TriFlex 3300

Greensmaster TriFlex 3400

Greensmaster TriFlex Hybrid 3420

Greensmaster TriFlex Hybrid 3320



GREENSMASTER® TriFlex® SERIES

The Greensmaster TriFlex and TriFlex Hybrid riding greens mowers deliver the productivity of a rider and the precision of a walker. Combining the innovative, Double A-Arm Suspension System with industry-leading Flex technology, the cutting units float freely over even the most difficult terrain resulting in a superior quality of cut and after cut appearance.



INFOCENTER™ (HYBRID MODELS)
Easily customize clip and operational settings.



DOUBLE A-ARM™
Combined with Link-System Suspension for superior contour-following.



TOOL-FREE, QUICK-CHANGE CUTTING UNITS
Remove cutting units in seconds for sharpening, repairs, configuration changes, and adjustments.



LIFT-GATE FOOTREST
Provides easy access to the center cutting unit for adjustments, basket removal/replacement, or cutting unit exchange for configuration changes.



GASOLINE OR DIESEL ENGINE POWER
21 HP (15.6 kW) gasoline or 24.8 HP (18.5 kW) diesel engine.

LARGE, BALLOON-STYLE TIRES
Ensure equal pressure on the turf to minimize tire marking and reduce scuffing in turns.

ALL-ELECTRIC REELS (HYBRID MODELS)
Highly-efficient electrical reel motors with Dial-In-Clip for enhanced cutting performance and clip control.

PROVEN DPA CUTTING UNITS WITH EDGE SERIES® REELS
EdgeSeries® Reels provide efficiency, long life, and superior after cut appearance.



GREENSMaster® 3150-Q/3250-D

LEGENDARY PERFORMANCE AND RELIABILITY.

The Greensmaster 3150-Q and 3250-D are distinguished for their field-proven performance and exceptional quality of cut. Equipped with patented DPA cutting units for a superior cut and minimal maintenance. With convenient controls for easy operation, and ample power to handle any application – it's no wonder these classic models have been trusted over the years to deliver the performance golf courses demand with a putting surface that exceeds expectations.



Greensmaster 3250-D



Greensmaster 3150-Q

SPECIFICATIONS

GREENSMaster® 3150-Q/3250-D*		
MODEL	GREENSMaster 3150-Q	GREENSMaster 3250-D
ENGINE	Briggs & Stratton® 18 hp (13.4 kW) air-cooled gasoline engine	Kubota® 24.8 hp (18.5 kW) liquid-cooled diesel engine
FUEL CAPACITY	7 gallons (26.5 liters)	6 gallons (22.7 liters)
TRACTION DRIVE	Hydraulic piston pump, closed loop system. 2WD Parallel Hydrostatic or optional 3WD Series Parallel piston pump closed loop system. Foot pedal forward and reverse; infinitely variable.	
GROUND SPEED	Forward-mowing speed is variable from 2-5 mph (3.2-8 km/h) Transport speed is infinitely variable up to 10 mph (16.1 km/h)	
CONTROLS	Raise/lower-mow lever. Functional control lever (neutral, mow, transport). Foot operated traction drive and brakes. Hour meter and warning light cluster. Hand operated choke, throttle. Mechanical engine speed control.	
CUTTING UNITS	8, 11, or 14-blade cutting units	
WIDTH OF CUT	59" (150 cm)	
HEIGHT OF CUT RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench HOC range is .062"-.297" (1.6-7.5 mm). With high HOC kit, range is .297-1.0" (7.5-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.	
BRAKES	Foot-activated with two 6" (15.2 cm) drum-type brakes	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	

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GREENSMaster® ACCESSORIES

Cutting Unit Options



14-Blade DPA Cutting Unit

- Use for extremely fine greens mowing. Best for use at heights of cut under .125" (3.175 mm)

11-Blade DPA Cutting Unit

- Designed for mowing on lower heights of cut. Use on greens and tee boxes up to 3/8" (9.5 mm)

8-Blade DPA Cutting Unit

- Designed for mowing on higher heights of cut, such as approaches, fairways or tee boxes. Heights of cut above 3/8" (9.5 mm)



Front Narrow Wiehle Roller (Set of 1)

- .2" (5 mm) groove spacing, aluminum, 2.5" (6.4 cm) diameter
- Slightly more turf penetration than the full roller



EdgeMax® Microcut Bedknife

- Height of cut range 1/16" – 3/16" (1.6 – 4.7 mm)



Front Roller Scraper

- Narrow Wiehle, Wide Wiehle, and Full Roller Scrapers clear rollers of dirt, grass, and helps prevent debris buildup that may impact height of cut. Set of one. Also available with integrated turf brush or rigid turf comb.

Grooming & Traction Unit Options



Universal Groomer Drive

- Groomer drive with forward, neutral and counter-rotating dial
- Quick-change twin-tipped grooming reel or brushes available



Rotating Rear Roller Brush

- Prevents grass clumping on turf and clears rear roller of grass buildup



Bimini Sunshade

- Helps keep operator cool in the sun and dry in the rain



Groomer Reel

- High-strength, carbide-tipped groomer blades
- Reduces thatch and stands grass blades for a crisp, clean cut



Grooming Brush (Soft or Stiff)

- Rotating brush used to condition grass before cutting (Note: Brush collects more clippings into basket than the Groomer Reel, be careful of aggressiveness setting)



Thatching Reel Kit

- Vertically cuts into turf to reduce thatch and control horizontal grass growth (not for use with model 3370)



Off-Greens Kit (Anti-Bobbing)

- Patent-pending design with unprecedented results to reduce bobbing and reduce bobbing marks
- Tuned mass dampener with rubber mounts
- Mounts on each cutting unit suspension
- Use for off-greens, fairway, and aprons applications



Greens Tri-Roller Kit

- Used to roll greens and smooth surface of turf for an improved after cut appearance and ball roll



Seat Kit – Premium (Optional)

- Provides alternative operator comfort



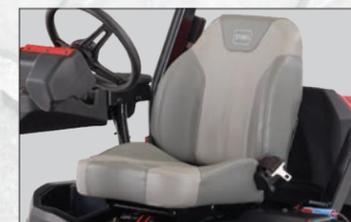
LED Light Kit

- Allows operator to mow in low light conditions. Mounting options on ROPS or on operator floor platform.



Greens Spiker Kit

- Aeration attachment used to relieve soil compaction, control organic matter, and maintain turf health



Seat Kit – Standard

- Standard on models 3300 & 3320

Note: Seat does not come standard on models 3400, 3420, 3360 & 3370. Select between the standard seat or the premium seat

Visit toro.com or call your local distributor for a full list of available accessories and attachments.

800-803-8676

SPECIFICATIONS

GREENSMASTER® TriFlex® & eTriFlex™ SERIES*						
MODEL	TriFlex 3300	TriFlex Hybrid 3320	TriFlex 3400	TriFlex Hybrid 3420	eTriFlex 3360 (Engine/Gen.)	eTriFlex 3370 (Lithium-Ion)
POWER SOURCE	Briggs & Stratton® Vanguard®, 21 HP (15.6 kW) @ 3600 rpm, 2-cylinder, air-cooled, gasoline engine, governed to 2920 high idle, 1650 rpm low idle. Displacement: 38.3 cu-in. (627 cc).		Kubota® D902, Tier 4i, 24.8 HP (18.5 kW) @ 3600 rpm, 3-cylinder, liquid cooled, diesel engine, governed to 2880 high idle, 1560 rpm low idle. Displacement: 55.0 cu-in. (902 cc) Radiator: cooled with a 12-volt electric fan.		Engine: Kawasaki® 14.5 HP (10.8 kW) air-cooled, gasoline engine. Generator: 48V 5400W air-cooled brushless permanent magnet motor	Eight, Lithium-Ion batteries
ENERGY CAPACITY	6 gallons (22.7 liters)				4.9 gallons (18.5 liters)	10.77 kWh; 48V nominal
TRACTION DRIVE	2WD parallel hydrostatic or optional 3WD series-parallel piston pump closed loop system. Foot pedal forward and reverse; infinitely variable.				Positive 2WD traction drive: Two, brushless permanent magnet traction motors coupled to individual gearboxes. Optional 3WD. (patent-pending).	
CUTTING UNIT DRIVE	Single gear pump, valve block, series reel drive to 3 reel motors.	Three, 48V- 1100 watt brushless permanent magnet reel motors.	Single gear pump, valve block, series reel drive to 3 reel motors.	Three, 48V- 1100 watt brushless permanent magnet reel motors.	Three, 48V (1.1 KW), air-cooled brushless permanent magnet motors.	
INFO CENTER™/ GAUGES	Hour meter. Low oil pressure warning light.	Advanced machine diagnostics available through the InfoCenter™.	Hour meter, low oil pressure warning light, glow plug indicator, high engine temperature.	Advanced machine diagnostics available through the InfoCenter™.	Advanced machine diagnostics available through the InfoCenter™.	
RDS™ SYSTEM/AUTOMATIC CLIP CONTROL	N/A	Automatic clip control (RDS System not available)	N/A	Automatic clip control (RDS System not available)	RDS System – Clip Rate: Maintains consistent cutting unit clip rate in turns on each individual reel (patent-pending). Wheel Speed Control: Individual wheel speed control during turns (patent-pending).	
CONTROLS	Ignition: Off/Run/Start. Throttle: Low - High Idle. Choke (gas units only): Open /Closes choke plate. Parking Brake: Off - On. Traction Pedal: Rev/Neutral/Forward Joystick: Raises/lowers reels also tap off feature for clean up pass. Functional Control Lever sets neutral/mow/transport limits for traction pedal. Diagnostic Light: Indicates system faults to assist in resolving issues (3300 & 3400). InfoCenter™ for machine settings, parameters, and diagnostics (3320 & 3420).				Traction Pedal: Forward/Neutral/Reverse; Joystick: Raise/Lower; Function control switch: Neutral, Mow, Transport; Key switch; Steering Arm Lock Pedal; Brake pedal; Parking Brake; InfoCenter; Seat Adjusting Lever; Main Power Connectors; Choke (3360 only); Fuel-Shutoff Valve (3360 only).	
GROUND SPEED	Forward-mowing speed is variable from 0-5 mph (0-8 km/h), adjusted by stop on pedal mechanism. Mow speed setting does not affect transport speed. Maximum Greensmaster TriFlex transport speed is 10 mph (16.1 km/h), may be reduced by adjusting stop in footrest pan without affecting mow speeds.				Mowing 0-5 mph (0-8 km/h); Transport 0-10 mph (0-16.1 km/h); Reverse 0-5 mph (0-8 km/h). Selectable slow down feature for turning in mowing mode. Automatic slow down at high transport speeds when turning.	
BRAKES	Hand-actuated parking brake lever with two 6" (15.2 cm) diameter drum brakes mounted on the front wheel motors.				Traction motor regenerative braking; foot pedal service/parking brake, linear-actuated automatic parking brake.	
CUTTING UNITS	8, 11 or 14-blade DPA cutting units. Optional 5 or 8-blade heavy-duty reel available. Quick connect/disconnect feature for both the reel drive motor and cutting unit. No tools required.					
WIDTH OF CUT	59" (150cm)					
HEIGHT OF CUT RANGE	Cutting height is adjusted on front roller by two vertical screws and held by two locking cap screws. Bench HOC range is .062"-.297" (1.6-7.5 mm). With high HOC kit, range is .297-1.0" (7.5-25.4 mm). Effective HOC may vary depending on turf conditions and bedknife installed.					
WEIGHT	1161 lbs. (526 kg)	1257 lbs. (570 kg)	1286 lbs. (586 kg)	1406 lbs. (638 kg)	1,354 lbs (614 kg)	1,359 lbs (616 kg)
WARRANTY	Two-year limited warranty, all models. Lithium-Ion battery 4 years. Refer to the Operator's Manual for further details.					

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ALL-ELECTRIC SOLUTIONS

The dawning of a new day, and all of nature peacefully awakens the soul of the course. At Toro, we strive to offer tools that can maintain that peace while giving the same level of precision and dedication to each job, every day. With multiple electric-powered options available, any course can be maintained in harmony with the surroundings, naturally.





Count on it.

LEARN MORE

CONTACT US AT: **800-803-8676**
OR VISIT US AT: **toro.com**

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