

TORO[®]

GREENSMASTER[®]
RIDING GREENS MOWERS



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

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 Radius Dependent Speed (RDS™) system, which means that the “Triplex ring” effect is virtually eliminated and the aesthetics and playability of greens are improved substantially. 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 battery



Superior contour-following



Patented and proven link-system suspension

» 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 and reel control automatically adjusts cutting unit raising and lowering timing in sync with ground speed



GREENSMASTER® eTriFlex® SERIES

ELECTRIC POWER

- Engine/Generator: Smooth combination of a 10.4 kW (14 hp) twin-cylinder Kawasaki® gas engine and 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.*

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

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 your 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 minimise clean-up. No hydraulic fluid, no leaks, no worries.



ELECTRIC DRIVE TRACTION

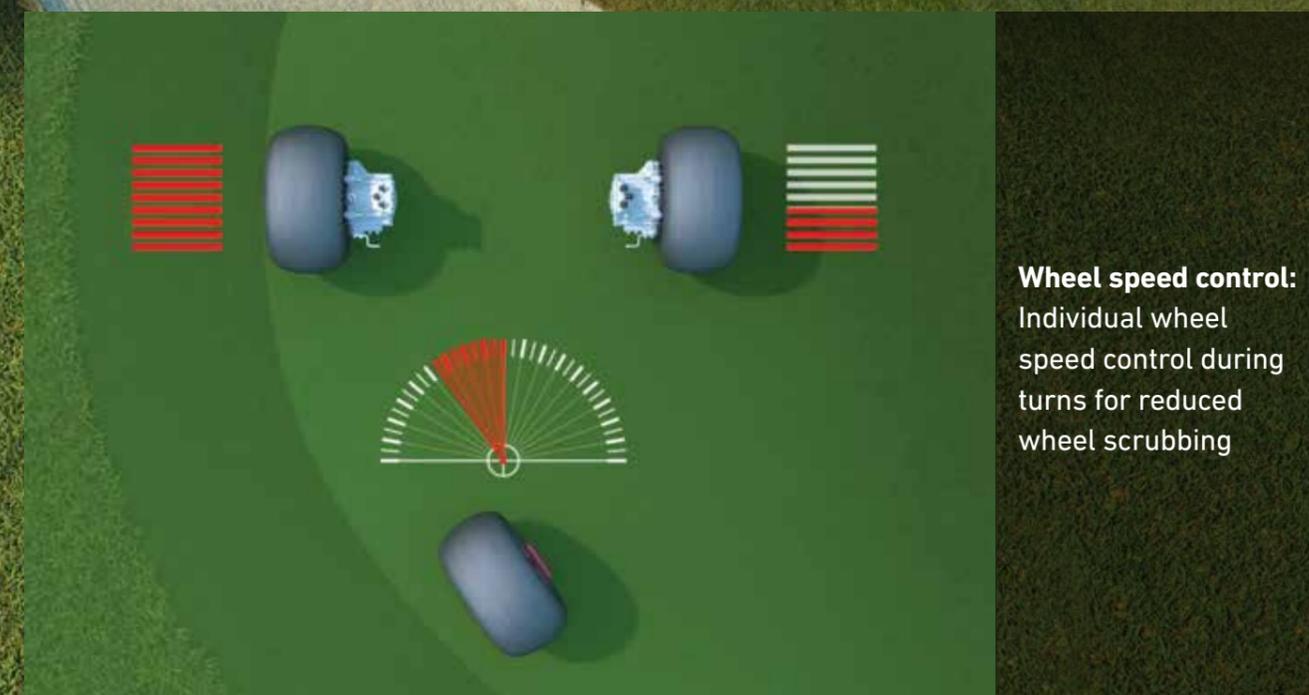
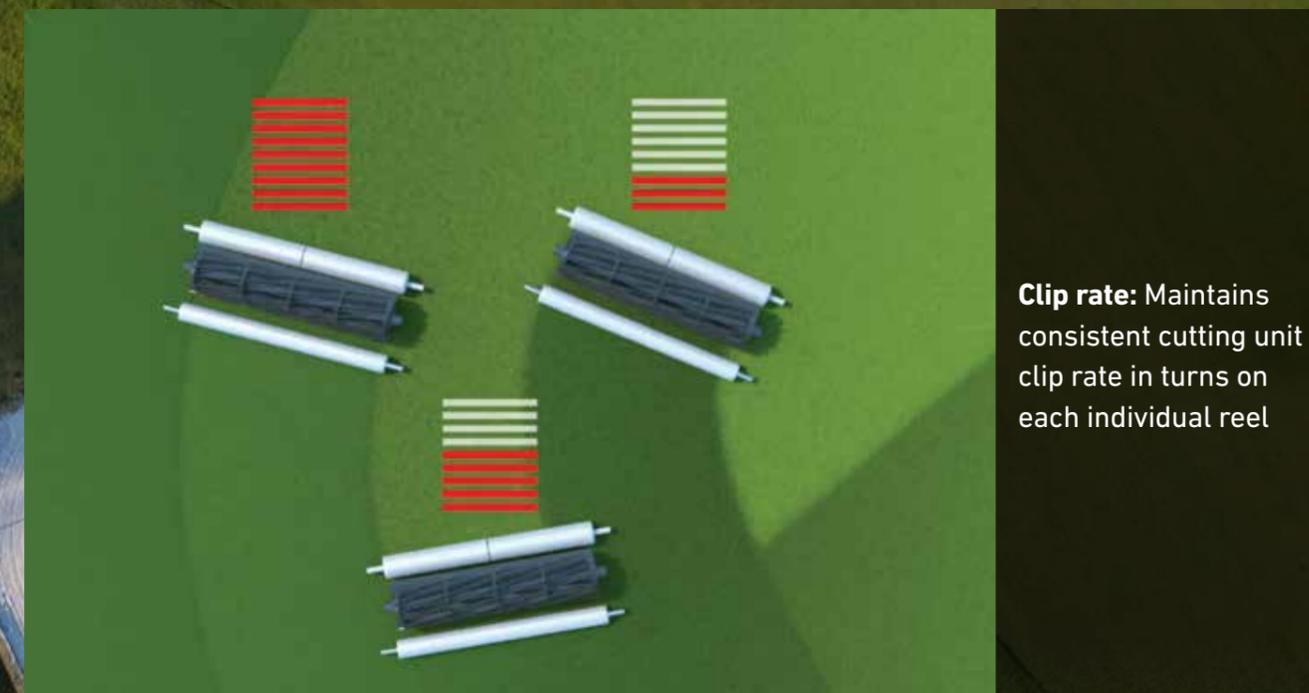
Solid, smooth and smart optional 3-wheel drive traction featuring our patented Radius Dependent Speed (RDS™) system. While individual wheel speed is digitally controlled during turns for optimised perimeter cuts, the cutting unit clip rate is consistently maintained regardless of machine speed or turn angle. Add to this the proven lift-in-turn feature that 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.



*Based on 300 mowing days per season and greens of 650.3 square metres (7,000 square feet).

GREENSMASTER® TriFlex® SERIES

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.



Greensmaster TriFlex 3300



Greensmaster TriFlex 3400



Greensmaster TriFlex Hybrid 3420



Greensmaster TriFlex Hybrid 3320



GASOLINE OR DIESEL ENGINE POWER
17.2 kW (23 hp) gasoline or 18.5 kW (24.8 hp) diesel engine.



LARGE, BALLOON-STYLE TYRES
Ensure equal pressure on the turf to minimise tyre 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.



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



DOUBLE A-ARM™
Combined with link-system suspension for superior contour-following.



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



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



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



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 that these classic models have been trusted over the years to deliver the performance that golf courses demand with a putting surface that exceeds expectations.



Greensmaster 3150-Q

Greensmaster 3250-D

SPECIFICATIONS

GREENSMASTER® 3150-Q/3250-D*		
MODEL	GREENSMASTER 3150-Q	GREENSMASTER 3250-D
ENGINE	Briggs & Stratton® 13.4 kW (18 hp) air-cooled gasoline engine	Kubota® 18.5 kW (24.8 hp) liquid-cooled diesel engine
FUEL CAPACITY	26.5 l	22.7 l
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 Transport speed is infinitely variable up to 10 mph	
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	150 cm (59")	
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 1.6–7.5 mm (0.062–0.297"). With high HOC kit, range is 7.5–25.4 mm (0.297"–1.0"). Effective HOC may vary depending on turf conditions and bedknife installed.	
WEIGHT	493 kg (1,087 lb)	552 kg (1,216 lb)
BRAKES	Foot-activated with two 15.2 cm (6") drum-type brakes	
WARRANTY	Two-year limited warranty. Refer to the Operator's Manual for further details.	

*Specifications and design subject to change without notice. Products depicted in this literature are for demonstration purposes only. Actual products offered for sale may vary in use, design, required attachments and safety features. See distributor for details on all warranties.

Cutting unit options



14-blade DPA cutting unit
• Use for extremely fine greens mowing. Best for use at heights of cut under 3.175 mm (0.125")

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

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



Front narrow Wiehle roller (set of 1)
• 5 mm (0.2") groove spacing, aluminium, 6.4 cm (2.5") diameter
• Slightly more turf penetration than the full roller



EdgeMax® microcut bedknife
• Height-of-cut range 1.6–4.7 mm (1/16–3/16")



Front roller scraper
• Narrow Wiehle, wide Wiehle and full roller scrapers clear rollers of dirt, grass and help prevent debris build-up that may impact height of cut. Set of one. Also available with integrated turf brush or rigid turf comb.

Grooming and traction unit options



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



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



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



Greens tri-roller kit
• Used to roll greens and smooth surface of turf for an improved after-cut appearance and ball roll



Greens spiker kit
• Aeration attachment used to relieve soil compaction, control organic matter and maintain turf health



Seat kit – Premium (optional)
• Provides alternative operator comfort



Seat kit – Standard
• Standard on models 3300 and 3320
Note: Seat does not come standard on models 3400, 3420, 3360 and 3370. Select between the standard seat or the premium seat



Bimini sunshade
• Helps keep operator cool in the sun and dry in the rain



Rotating rear roller brush
• Prevents grass clumping on turf and clears rear roller of grass build-up



Groomer reel
• High-strength, carbide-tipped groomer blades
• Reduces thatch and stands grass blades up 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)

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

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.



SPECIFICATIONS

GREENSMASTER® TriFlex® SERIES*				
MODEL	TriFlex 3300	TriFlex Hybrid 3320	TriFlex 3400	TriFlex Hybrid 3420
POWER SOURCE	Briggs & Stratton® Vanguard®, 17.2 kW (23 hp) @ 3,600 rpm, 2-cylinder, air-cooled, gasoline engine, governed to 2,920 high idle, 1,650 rpm low idle. Displacement: 627 cc (38.3 in³).		Kubota® D902, Tier 4i, 18.5 kW (24.8 hp) @ 3,600 rpm, 3-cylinder, liquid-cooled, diesel engine, governed to 2,880 high idle, 1,560 rpm low idle. Displacement: 902 cc (55.0 in³) Radiator: cooled with a 12 V electric fan.	
ENERGY CAPACITY	22.7 l			
TRACTION DRIVE	2WD parallel hydrostatic or optional 3WD series-parallel piston pump closed-loop system. Foot pedal forward and reverse; infinitely variable.			
CUTTING UNIT DRIVE	Single-gear pump, valve block, series reel drive to three reel motors.	Three, 48 V 1,100 W brushless permanent magnet reel motors with separable controller.	Single-gear pump, valve block, series reel drive to three reel motors.	Three, 48 V 1,100 W brushless permanent magnet reel motors with separable controller.
INFOCENTER™/ 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
RDS™ SYSTEM/ AUTOMATIC CLIP CONTROL	N/A	Automatic clip control (RDS system not available)	N/A	Automatic clip control (RDS system not available)
CONTROLS	Ignition: Off/Run/Start. Throttle: Low/High idle. Choke (gas units only): Open/Close choke plate. Parking brake: Off/On. Traction pedal: Rev/Neutral/Forward joystick: Raises/lowers reels, and 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 and 3400). InfoCenter for machine settings, parameters and diagnostics (3320 and 3420).			
GROUND SPEED	Forward-mowing speed is variable from 0-5 mph, adjusted by stop on pedal mechanism. Mow speed setting does not affect transport speed. Maximum Greensmaster TriFlex transport speed is 10 mph, may be reduced by adjusting stop in footrest pan without affecting mow speeds.			
BRAKES	Hand-actuated parking brake lever with two 15.2 cm (6") diameter drum brakes mounted on the front wheel motors.			
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	150 cm (59")			
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 1.6–7.5 mm (0.062–0.297"). With high HOC kit, range is 7.5–25.4 mm (0.297"–1.0"). Effective HOC may vary depending on turf conditions and bedknife installed.			
WEIGHT	526 kg (1,161 lb)	570 kg (1,257 lb)	586 kg (1,286 lb)	638 kg (1,406 lb)
WARRANTY	Two-year warranty, all models. Refer to the Operator's Manual for further details.			

GREENSMASTER eTriFlex® SERIES*		
MODEL	eTriFlex 3360 (engine/gen.)	eTriFlex 3370 (lithium-ion battery)
POWER SOURCE	Engine: Kawasaki® 10.8 kW (14.5 hp) air-cooled, gasoline engine. Generator: 48 V 5,400 W air-cooled brushless permanent magnet motor	High-capacity lithium-ion batteries with integrated Battery Management System (BMS)
ENERGY CAPACITY	18.5 l	10.8 kWh; 48 V nominal
TRACTION DRIVE	Positive 2WD traction drive: Two brushless permanent magnet traction motors coupled to individual gearboxes. Optional 3WD. (patent-pending).	
CUTTING UNIT DRIVE	Three 48 V (1.1 kW), air-cooled brushless permanent magnet motors with separable controller.	
INFOCENTER/ GAUGES	Advanced machine diagnostics available through the InfoCenter.	
RDS SYSTEM/ AUTOMATIC CLIP CONTROL	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	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-shut-off valve (3360 only).	
GROUND SPEED	Mowing 0–5 mph; Transport 0–10 mph; Reverse 0–5 mph. Selectable slow-down feature for turning in mowing mode. Automatic slow-down at high transport speeds when turning.	
BRAKES	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	150 cm (59")	
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 1.6–7.5 mm (0.062–0.297"). With high HOC kit, range is 7.5–25.4 mm (0.297"–1.0"). Effective HOC may vary depending on turf conditions and bedknife installed.	
WEIGHT (WITH 11-BLADE CU, BASKETS AND STANDARD SEAT)	Mow: 614 kg (1,354 lb) Transport: 737 kg (1,625 lb)	Mow: 578 kg (1,274 lb) Transport: 706 kg (1,557 lb)
WARRANTY	Two-year warranty, all models. Lithium-ion battery 4 years. Refer to the Operator's Manual for further details.	

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WHEN WE SAY **COUNT ON IT**, WE MEAN IT

Every product that carries the Toro® brand is backed by over 100 years of history, innovation and timeless dependability. We never stop investing in research and development to give our customers the latest features. That's why Toro is one of the best-known, most trusted brands in the business. We also stand behind our products with a global network of knowledgeable distributors for parts and service support.

Real people. Real support.
Smart features. Proven dependability.



Count on it.

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