

# Fairway Mowers

PrecisionCut/E-Cut



A consistent pattern of success.







How to deliver a once-in-a-lifetime performance.  
And do it all over again, tomorrow.





Everyone loves the look of a perfectly striped fairway.

Question is, how do you deliver this well-kept look every day?

How about choosing equipment with double-acting steering cylinders—so even the guy with two left hands can steer straight?

And using reels that adjust in seconds, so you can roll out every morning cutting at the right height?

Those are standard features on every John Deere Fairway Mower.

And they were first suggested by professionals like you.

So no wonder they deliver great results, day after day.

#### **E-Cut Hybrid electric reel-drive models**

	<b>HP</b>	<b>Reels</b>	<b>Width of cut</b>
8000 (3-wheel)	37.1	QA5 5 in.	80 in.
7500	37.1	QA5 5 in.	100 in.
8500	43.1	QA5 5 in.	100 in.

#### **PrecisionCut models**

7500	37.1	QA5 5 in.	100 in.
7700	37.1	QA5 7 in.	100 in.
8500	43.1	QA5 5 in.	100 in.
8700	43.1	QA5 7 in.	100 in.



# E-Cut Hybrid Technology.

The industry's first E-Cut Hybrid Fairway Mowers eliminate all hydraulic lines in the reel circuit. And that's not all. These advanced mowers offer a consistent frequency of clip, quieter operation and noticeably lower fuel consumption.

It's the end of the line  
for hydraulic leaks.

Based on the same proven technology as our 2500E E-Cut Hybrid greens mowers, these three new fairway mowers employ efficient brushless electric reel motors made to last years, and which require minimal routine maintenance.





# Double-Acting Steering Cylinders.

By equalizing right and left pressure, just like a greens mower, the steering system on all John Deere Fairway Mowers makes it much easier for an operator to hold a straight line. Plus its linkage is the same as a John Deere Utility Tractor, so it's rock-solid reliable.



## GRIP ALL-WHEEL DRIVE

Available on all models, this system ensures traction on hills and along hillsides by transferring hydraulic flow from the wheels that slip to those with grip.



## PATENTED CUT QUALITY

Adjustable hydraulic down pressure and rear-attaching point maintain cutting units at a consistent height of cut, plus prevent unsightly "waves" in the turf.



## COMMAND ARM™

Combo armrest/control center keeps all vital functions (like lights, lift/lower lever, PTO, throttle and optional cruise control) within easy reach.

## New Quick Adjust Reels. The easiest adjustment you'll ever make.

The reels on all our fairway mowers make all adjustments quick and easy. Thanks to a revolutionary Speed Link system that makes it possible to adjust height of cut to both sides of the cutting unit in no time. A linking bar connects both sides of the rear roller to a high-reduction ratio worm gear, allowing one-thousandth-of-an-inch adjustments to be made to both sides of the roller simultaneously just by using a power drill (or 16 mm wrench).

A simple, precise notch-based system is used for cut adjustment. (The smaller QA5 cutting units are bedknife-to-reel, and larger QA7 cutting units are reel-to-bedknife.)

On QA5 cutting units, the reel bedknife shoe eccentric can be rotated to shift the bedknife closer to a worn reel—so every reel can work longer before replacement.

So in almost every way possible, these reels set a new standard. All because we designed them the way you told us to.







## Reel options.



### Rear roller power brush

Prevents accumulation of grass clippings and other debris on the rear roller, maintaining a consistently effective height of cut.



### Fairway Tender™ Conditioner

Slices stolons, controls grain, and delivers a truer playing surface and consistently effective height of cut. Gear-driven for durability and consistent cutting.



### Rollers

Available 2-in. and 3-in. spiral-grooved rollers with spiral end caps. Or pick machined-grooved roller with continuous grooves for QA5 reels for good cut quality and a more aggressive cut.



### Weight-transferring grass catchers

New grass catchers transfer the weight of the grass clippings away from the cutting unit to maintain height of cut.

### Verticutter\*

Dethatching, slicing rhizomes and stolons, and promoting more vigorous turf density on playing surfaces. Counter-weighted for consistent performance. Maximum depth penetration 0.125 in. (3.1 mm).

\*Not available for E-Cut Hybrids.

# Narrower width of cut. Better ground following. And the advantage of E-Cut Hybrid Technology.

The new 8000 E-Cut Hybrid can take your fairways to another level.

Its three-wheeled configuration and 80-inch width of cut almost duplicate the precision of a greens mower.

And that's not all. The 8000 E-Cut Hybrid Mower is the part of the industry's first family of electric reel-drive mowers, which offer the advantage of a consistent frequency-of-clip and much more.

By using electric motors to drive the reels, not hydraulic lines, they almost eliminate the possibility of a hydraulic leak. And since the reels are powered electrically, the engine can be throttled down to save fuel and reduce noise, without affecting the clip speed. It always stays at a steady 2200 rpm.

Sound like technology you could use on your course? Demo one today.

**8000**  
E-Cut Hybrid



SMOOTH FRONT DRIVE AND STEERING TIRES REDUCE THE POSSIBILITY OF TURF SCUFFING WHILE STILL PROVIDING GOOD TRACTION.

STANDARD FULL-TIME, ALL-WHEEL DRIVE.

3-WHEEL MANEUVERABILITY—ONE FEWER TIRE TRACK FOR BETTER AFTER-CUT APPEARANCE.

18-INCH REELS, 80-INCH WIDTH OF CUT FOR TRULY SHARP LINES.



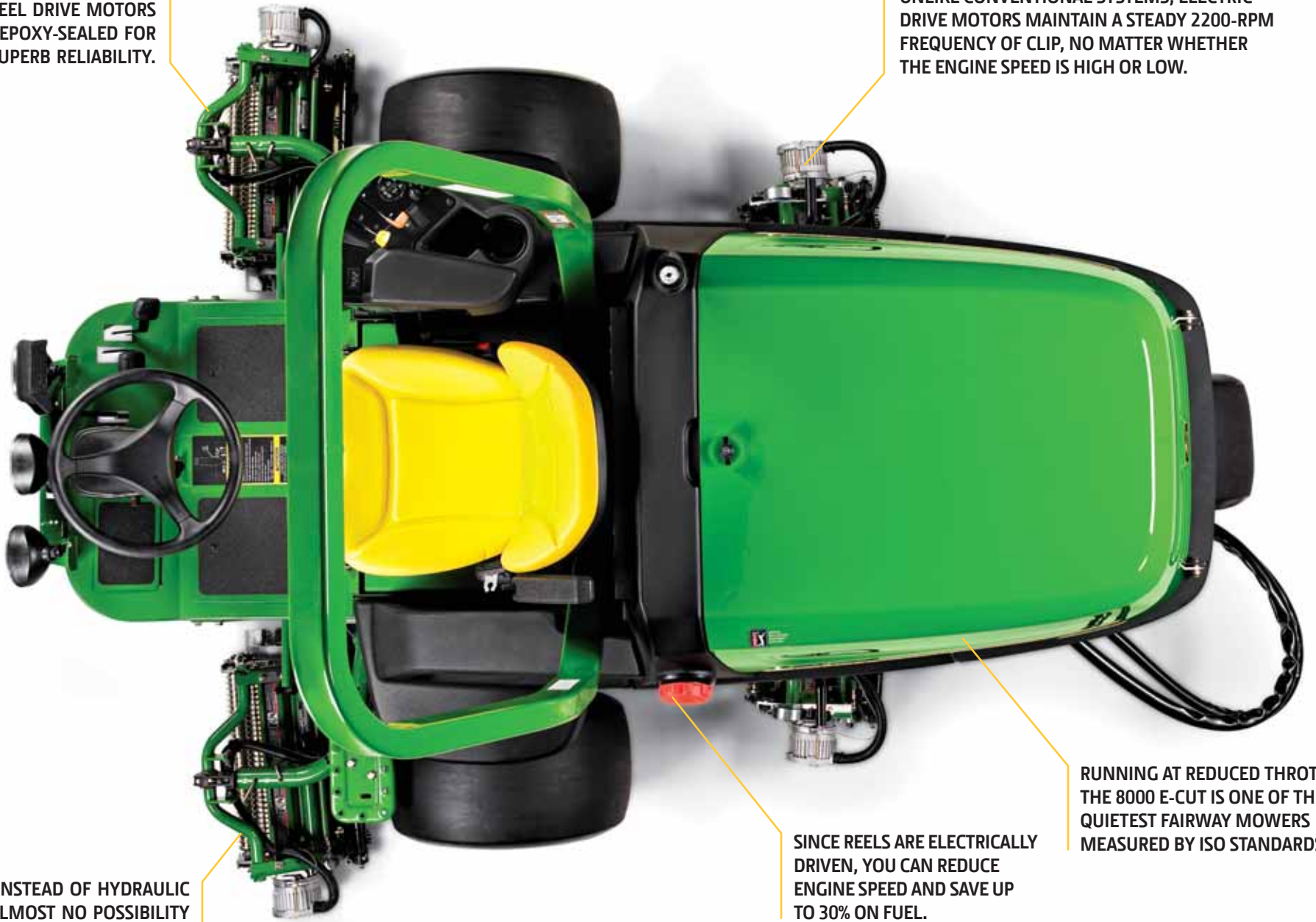
BRUSHLESS ELECTRIC REEL DRIVE MOTORS ARE EPOXY-SEALED FOR SUPERB RELIABILITY.

UNLIKE CONVENTIONAL SYSTEMS, ELECTRIC DRIVE MOTORS MAINTAIN A STEADY 2200-RPM FREQUENCY OF CLIP, NO MATTER WHETHER THE ENGINE SPEED IS HIGH OR LOW.

WIRES INSTEAD OF HYDRAULIC LINES. ALMOST NO POSSIBILITY OF A HYDRAULIC LEAK.

SINCE REELS ARE ELECTRICALLY DRIVEN, YOU CAN REDUCE ENGINE SPEED AND SAVE UP TO 30% ON FUEL.

RUNNING AT REDUCED THROTTLE, THE 8000 E-CUT IS ONE OF THE QUIETEST FAIRWAY MOWERS MEASURED BY ISO STANDARDS.





# QA5 5-inch diameter reel mowers.

Ideal for lower heights of cut. Available in E-Cut Hybrid and PrecisionCut configurations.

## Fewer hydraulic lines. Better at holding the line.

They're the future MVPs of your fleet. New E-Cut Hybrid Fairway Mowers bring the confidence of electric reel drive technology to the fairway for the first time, plus offer the ability to run more quietly, and save fuel. And since individual reel controllers maintain a consistent reel speed, cut quality is consistently ideal. Try one on your course. And you'll agree: The time to go electric is now.

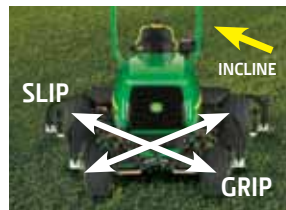


7500/8500  
E-Cut Hybrid



### 2WD YOU CAN TRUST

The 2WD is so good on these mowers, you might think it's 4WD. Massive front and rear wheel motors ensure inclines don't stand a chance.



### AVAILABLE GRIP AWD

Optional all-wheel-drive system transfers tractive power and allows these machines to hold the hills and side hills alike.



### HIGH HORSEPOWER

37.1-hp engine on 7000s has excellent reserve power. The 8000s' turbo-charged 43.1-hp engine masters tough conditions and hills.\*



7500/8500  
PrecisionCut



## Striping, simplified.

You can always tell where a PrecisionCut mower has been at work. Lines are straight. Turf is cut right. And even the tricky spots look matchless. And no wonder. With straighter steering, patented cut quality, and the advantages of time-saving Quick Adjust cutting units and optional GRIP all-wheel drive, these machines make mowing even the toughest courses a breeze.



### LIGHT ON TURF

Low 10-psi ground pressure reduces tracking, marking and compaction. And contributes to exceptional after-cut appearance.



### EFFORTLESS TWO-PEDAL TRANSMISSIONS

Patented dual-pedal foot control works with the natural motion of the operator's foot. Press left to go forward, right for reverse.



### ALL-DAY COMFORT

All mowers feature a standard deluxe suspension seat, adjustable steering column and extra legroom to make even mowing long stretches easy.



# QA7 7-inch diameter reel mowers.

Ideal for warm season grasses. Larger, heavier reels are made for cutting runners and thatch.

## Handles anything. Even Monday morning.

No matter what the week throws at your crew, it won't slow the 7700 PrecisionCut down. Not with reels designed to cut the densest turf, precision steering, ample power under the hood, available all-wheel drive and a fuel tank big enough to last till Friday.

7700  
PrecisionCut



### ALL-DAY MOWING

All John Deere Fairway Mowers feature an 18 U.S. gallon fuel tank to minimize refueling interruptions and maximize productivity.



### DIAGNOSTICS MADE EASY

White box control modules on all mowers enable rapid, accurate identification of any service issues.



### A SAFE CHOICE

Standard Roll Over Protection System on all John Deere Fairway Mowers meets pending ISO 21299 standards.



## 8700 PrecisionCut



## Tame any fairway.

No matter how devilishly difficult the fairway layout, the top-of-the-line 8700 PrecisionCut can tackle it. After all, with a turbo-charged, intercooled diesel engine, QA7 cutting units, available GRIP all-wheel drive and built-in benefits like a double-acting steering cylinder, it's more than a match for whatever course architects dream up.



### STANDARD WORK LIGHTS

Three adjustable lights at the front of the operator platform provide optimal light for early morning or evening mowing.



### STANDARD BACKLAPPING VALVES

Every PrecisionCut mower includes pressure-sensing backlapping valves to ensure a premium result when sharpening.



### DAILY SERVICE, SIMPLIFIED

All checks are located on the left-hand side, and oil cooler tilts out for easy cleaning.



## 7500/8500 PrecisionCut Fairway Mower

## 7700/8700 PrecisionCut Fairway Mower

Engine		
Type	3-cylinder Yanmar Diesel	3-cylinder Yanmar Diesel
Maximum rated horsepower	37.1 hp (27.7 kW) @ 2,600 RPM (7500) 43.1 hp (32.2 kW) @ 2,600 RPM (8500)	37.1 hp (27.7 kW) @ 2,600 RPM (7500) 43.1 hp (32.2 kW) @ 2,600 RPM (8500)
Displacement	91.3 cu. in. (1496 cc)	91.3 cu. in. (1496 cc)
Air cleaner	2-stage dry element	2-stage dry element
Cooling system	Liquid centrifugal pump	Liquid centrifugal pump
Traction type	Servo-controlled hydrostatic pump to wheel motors. Optional GRIP All-Wheel-Drive Traction System.	
Reel-drive pump	Tandem-gear pump	Tandem-gear pump
Hydraulic system capacity	12 U.S. gal. (45.4 L)	12 U.S. gal. (45.4 L)
Fuel tank capacity	18 U.S. gal. (66.6 L)	18 U.S. gal. (66.6 L)
Steering tires	20×10-8 turf	20×10-8 turf
Front drive tires	26.5×14-12 turf	26.5×14-12 turf
4WD	(Optional) GRIP All-Wheel-Drive Traction System; when installed, AWD in mow and transport. Hydraulic flow links opposite side wheel motors together for excellent grip on slopes.	
Mower		
Number of blades	7 or 11	8 or 10
Cutting unit width	Quick Adjust QA5 22 in. (55.9 cm)	Quick Adjust QA7 22 in. (55.9 cm)
Reel diameter (std. cutting unit)	5 in. (12.7 cm)	7 in. (17.8 cm)
Total width of cut	100 in. (254 cm)	100 in. (254 cm)
Height of cut		
11- and 7-blade	0.25 in. to 1.125 in. (6.4 cm to 28.5 cm)	N/A
10-blade QA7	N/A	0.25 in. to 2 in. (6.4 cm to 50.8 cm)
8-blade QA7	N/A	0.375 in. to 2 in. (9.5 cm to 50.8 cm)
Frequency of clip (FOC)		
11- or 7-blade QA5	0.044 in./mph (1.12 mm/km/h), 0.069 in./mph (1.75 mm/km/h)	N/A
10-blade QA7	N/A	0.067 (1.70)
8-blade QA7	N/A	0.084 (2.14)
Rollers	2 in. (5.1 mm) front and rear; 3 in. (7.6 mm) optional	3 in. (7.6 mm)
Operating weight wet, full fuel, less operator		
Standard cutting units lowered	2,236 lb. (1014 kg) (7500), 2,340 lb. (1061 kg) (8500)	2,381 lb. (1080 kg) (7700), 2,485 lb. (1127 kg) (8700)
Dimensions		
Height with ROPS	85 in. (216 cm)	85 in. (216 cm)
Length with catchers	115 in. (292 cm)	115 in. (292 cm)
Transport width	87 in. (221 cm)	87 in. (221 cm)
Mowing position width	116 in. (295 cm)	116 in. (295 cm)
Ground speed		
Mowing	0 to 8.0 mph (0 to 12.8 km/h)	0 to 8.0 mph (0 to 12.8 km/h)
4WD mow speed	0 to 8.0 mph (0 to 12.8 km/h)	0 to 8.0 mph (0 to 12.8 km/h)
Transport	7500 - 0 to 11.5 (0 to 18.5) 8500 - 0 to 12.5 (0 to 20.12)	7700 - 0 to 11.5 (0 to 18.5) 8700 - 0 to 12.5 (0 to 20.12)
Reverse	0 to 5.0 mph (0 to 6.4 km/h)	0 to 5.0 mph (0 to 6.4 km/h)



## Options:

- Canopy
- Electronic cruise control
- Rear roller power brush
- Fairway Tender™ Conditioner
- Verticutter
- Rollers



## 7500/8500 E-Cut Hybrid Fairway Mower

## 8000 E-Cut Hybrid Fairway Mower

Engine		
Type		
Maximum rated horsepower	37.1 hp (27.7 kW) @ 2,600 RPM (7500) 43.1 hp (32.2 kW) @ 2,600 RPM (8500)	37.1 hp (27.7 kW) @ 2,600 RPM
Displacement	91.3 cu. in. (1496 cc)	91.3 cu. in. (1496 cc)
Air cleaner	2-stage dry element	2-stage dry element
Cooling system	Liquid centrifugal pump	Liquid centrifugal pump
Traction type	Servo-controlled hydrostatic pump to wheel motors. Optional GRIP All-Wheel-Drive Traction System.	
Reel-drive pump	Tandem-gear pump	N/A
Hydraulic system capacity	12 U.S. gal. (45.4 L)	9.8 U.S. gal. (37.1 L)
Fuel tank capacity	18 U.S. gal. (66.6 L)	13 U.S. gal. (49.21 L)
Steering tires	20×10-8 turf	24×12-12 smooth
Front drive tires	26.5×14-12 turf	24×12-12 smooth

Mower		
Number of blades	7 or 11	8 or 10
Cutting unit width	Quick Adjust QA5 22 in. (55.9 cm)	Quick Adjust QA5 18 in. (45.7 cm)
Reel diameter (std. cutting unit)	5 in. (12.7 cm)	5 in. (12.7 cm)
Total width of cut	100 in. (254 cm)	80 in. (203 cm)
Height of cut		
11- or 7-blade	0.25 in. to 1.125 in. (6.4 cm to 28.5 cm)	0.078 in. to 1.125 in. (2 cm to 28.5 cm) requires optional bedknife for lowest HOC and 3-inch roller for highest
Frequency of clip (FOC)		
11- or 7-blade QA5	0.044 in./mph (1.12 mm/km/h), 0.069 in./mph (1.75 mm/km/h)	0.044 in./mph (1.12 mm/km/h), 0.069 in./mph (1.75 mm/km/h)
Rollers	2 in. (5.1 mm) front and rear; 3 in. (7.6 mm) optional	2 in. (5.1 mm) front and rear; 3 in. (7.6 mm) optional

Operating weight wet, full fuel, less operator		
Standard cutting units lowered	2,236 lb. (1014 kg) (7500E), 2,340 lb. (1061 kg) (8500E)	2,131 lb. (967 kg)

Dimensions		
Height with ROPS	85 in. (216 cm)	83 in. (210.8 cm)
Length with catchers	115 in. (292 cm)	115 in. (292 cm)
Transport width	87 in. (221 cm)	89 in. (226 cm)
Mowing position width	116 in. (295 cm)	93 in. (236 cm)
Ground speed		
Mowing	0 to 8.0 mph (0 to 12.8 km/h)	0 to 6.0 mph (0 to 10 km/h)
Transport	0 to 11.5 mph (0 to 18.5 km/h)	0 to 9 mph (0 to 14 km/h)
Reverse	0 to 5.0 mph (0 to 6.4 km/h)	0 to 5.0 mph (0 to 6.4 km/h)

\* Engine hp is provided by engine mfr. for comparison purposes only. Actual operating hp will be less.

## Standard on all models

Throttle	Hand throttle at operator's right
Forward/reverse	2-pedal
Mower lift	One-touch single handle
Parking brake	Foot pedal lock for foot-operated park brake
Seat	Deluxe suspension
PTO	Hand lever located on CommandARM™
Tilt steering	Foot operated
Steering	Hydraulic power with double-acting steering cylinder
Ground pressure	10
Brakes	Disc and dynamic braking through closed loop hydrostatic transmission
ROPS	Standard; meets pending ISO 21299 Standard
Warranty	Two-year limited
Certification	CE and ANSI B71.4-2004

## Consider us part of your crew.

John Deere Golf unites a fleet of agronomic experts, dedicated equipment distributors, a full irrigation component and a financing arm with over a century of experience. All personally dedicated to your success.



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