

# Trim, Surrounds, and Rough Mowers

PrecisionCut/TerrainCut



Trimming isn't so rough anymore.

7200  
PrecisionCut

7400  
TerrainCut

2653B  
PrecisionCut

8800  
TerrainCut



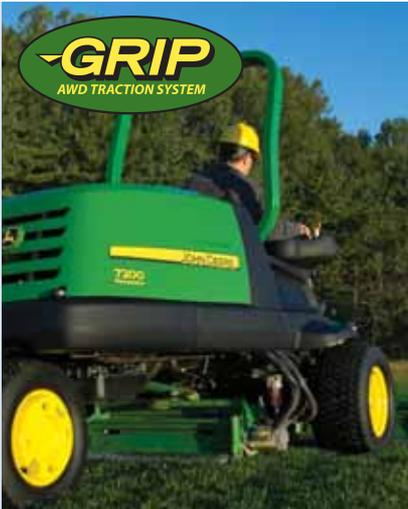
## We used our most advanced tools to design these mowers. Our ears.

Listening has provided us more engineering insights than any computer simulation or prototype. In fact improvements like shifting front cutting units to change your width of cut, straight-tracking steering, and quick adjusting reels were first suggested by golf maintenance professionals. Then, fine-tuned by superintendents and technicians on their home courses all over the world. The result of giving experts like you a voice in our designs speaks for itself: Exceptional efficiency, comfort and strength built into every machine.



Quick Adjust reels or rotary cut, your choice.

7200  
PrecisionCut



**ALL-WHEEL DRIVE.  
ALL THE TIME.**

By automatically shifting hydraulic flow to wheels that need it most, the GRIP AWD system never gives you a moment of doubt.



**POWER FOR THE HILLS.**

Highest horsepower in its class under the hood. 37.1 hp\* on the 7400, and 26.4 hp\* on the 7200. Gives you the power to tackle even the toughest cutting conditions.

# 7400 TerrainCut



At last, the flexibility to handle any stretch of your course.

Mowing tree lines, bunker edges and surrounds is easier than ever. Just by flipping a switch you can adjust your width of cut and independently shift cutting units right or left to finish these time-consuming areas, pronto. (There's no need to get off the mower or make lift arm changes.)

This kind of super-flexible thinking doesn't stop there. These mowers' cutting units feature an extended travel to follow the contours of your course better—to reduce scalping the top of tough mounds and undulations.

Try one on your course. And shift your expectations of what a trim mower can do.



#### WIDTH ON DEMAND.

On side hills and in areas that require more turning, instantly reduce the cutting width for increased cutting unit overlap to reduce the possibility of uncut grass between the cutting units.



#### REACH TRIMMING SYSTEM.

Push button trimming. Just extend the right or left cutting unit to the side and you can trim out bunkers closer than ever before while keeping the traction unit away from the bunker wall.

# 2653B

PrecisionCut

## A reel mower to rely on.

With new QA7 Quick Adjust reels especially designed for lush, dense turf, a smooth hydraulic drive system for surprisingly even traction, excellent contour-following, and high power-to-weight ratio, the all-around 2653B can guarantee a pristine cut anywhere on your course.



### **FULL-TIME ALL-WHEEL DRIVE.**

Proven system provides exceptional climbing power. The GRIP AWD system provides hydraulic flow from the wheels that slip to the wheels with grip.



### **QUIET CONFIDENCE.**

A 19.6-horsepower\* engine with sound-reducing rubber isolators and responsive traction provide sure operation on the course.

# 8800 TerrainCut

## Make the morning rough hour go quicker.

The 8800 is fast, and flawless. Five deep 21-inch, double-pivoting rear-discharge rotary decks follow ground contour and vacuum up grass for a clean cut. High-displacement front and rear wheel motors, and GRIP All-Wheel Drive give it the power to take on the ups and downs of your course. And a double-acting steering cylinder makes holding a line effortless.



### **GRIP AWD.**

Responsive GRIP All-Wheel Drive helps maintain consistent flow to all wheels for changing course terrain. By directing flow from a front wheel motor to the opposite rear wheel it provides excellent traction in the ups and downs of rough mowing.



### **POWER TO SPARE.**

A 43.1-horsepower\* turbo-charged diesel engine with an intercooler easily generates enough power to cut the densest turf.

## Cut like a diamond in the rough. And almost as strong.

### **Strength**

The mower decks on the 8800 are stamped from 10-gauge steel, enclosed for protection within a frame that carries the load when mowing, and guarded by a front-mounted skid plate.

### **Fast height-of-cut adjustment**

All of this strength and protection enables easiest-in-class height-of-cut adjustment that requires no tools at all to quickly change cutting height.

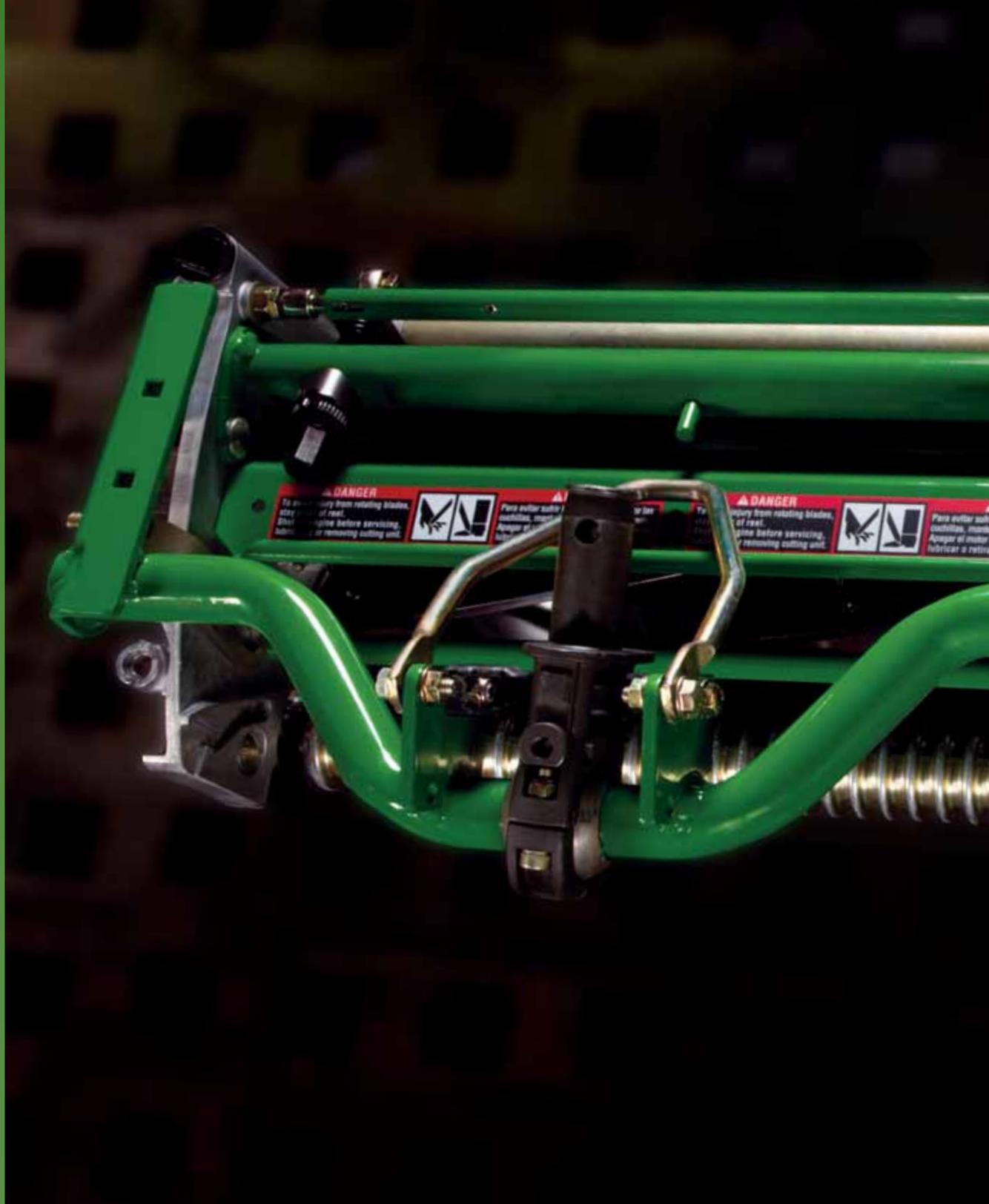
### **Exceptional cut quality**

Thanks to lost motion cylinders, mower decks can react quicker to changes in the terrain and hug the ground.



## Using our new reels is the easiest adjustment you'll ever make.

The new Quick Adjust reels on the 7200 PrecisionCut and 2653B PrecisionCut adjust quickly, and keep settings longer. 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. (And besides the dramatic time savings this represents, the worm gear makes it almost impossible for the setting to change out on the course.) The reel-to-bedknife adjustment on the QA7 is completed quickly by using a notch-based system. The reel adjustment requires only to turn the adjuster tower to adjust your cut with one notch moving the reel one half thousandth of an inch. In almost every way possible, these reels set a new standard. One you'll find very easy to get used to.





## Reel options:

### REAR ROLLER POWER BRUSH (26-INCH QA7 ONLY)

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

### FAIRWAY TENDER™ CONDITIONER (26-INCH QA7 ONLY)

Slices stolons, controls grain, and delivers a truer playing surface and consistently effective height of cut. Choice of 54 mm or 60 mm diameter blades. Gear-driven for durability and consistent cutting.



# Comfortable to run. Simple to maintain.

## A comfortable operator equals better results.

Features like adjustable suspension seats, extra legroom, and well-located controls are necessities when it comes to doing a good job. They allow an operator to focus on the task at hand, and perform at a higher level. Take the steering system on the 7200, 7400 and 8800. With minimal effort, it allows striping a rough or trim area just like a green or fairway. It's just one of dozens of conveniences first suggested to us by crew members themselves.



### CLEAR SIGHT LINES.

Cutting well depends on seeing where you're cutting. The geometry of every John Deere rough, trim and surrounds mower maximizes visibility.



### STRAIGHTER STEERING.

A unique double-acting steering cylinder equalizes left and right pressure, so it's easier to hold a straight line.



### HANDY CONTROLS.

Every model (except 2653B) is equipped with a well-placed CommandArm that positions all vital controls and diagnostics right at the operator's fingertips.



### ERGONOMIC TRANSMISSIONS.

Wide-spaced, low-effort transmission pedals work with the natural motion and placement of an operator's foot.



**COOLER, MORE RELIABLE OPERATION.**

All John Deere rough, trim and surrounds mowers have front-mounted radiators to draw clean air, greatly improving cooling efficiency and reducing cleaning needs compared to rear-mounted radiators.



**DIAGNOSTICS MADE EASY.**

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

## Designed with the technician in mind.

The servicing features on these mowers read right out of a technician's wish list. No surprise. They were originally on one. It's the techs themselves who tipped us off on the need for instant LED diagnostics, tilt-out hydraulic oil coolers, and easy access daily service points.



**TALK ABOUT ALL ACCESS.**

No cramped spaces or less-than-clear layouts to work around, ever. That's real-world reliability.



**SHARE PARTS AND SHRINK INVENTORY.**

All our reel cutting units share many common components, reducing the need for you to maintain a large parts inventory. The 2653 and 7200 actually use the same cutting unit for both traction units.

# Pick the right reel model for you.

## 2653B Trim and Surrounds Mower      7200 Trim and Surrounds Mower

Engine		
Type	Yanmar IDI Diesel TNV70-XJGM	Yanmar
Maximum rated horsepower (kW)	19.6 hp* (14.6 kW)	26.4 hp* (19.69 kW)
Cylinders	3	3
Air cleaner	Dual-stage, restriction indicator	2-stage dry element
Fuel	Diesel	Diesel
Cooling system	Liquid	Liquid centrifugal pump; forward machine location for optimum cooling

Vehicle		
Traction type	Full-time three-wheel-drive reduce slip system, hydraulic, standard 3WD	Hydrostatic pump to wheel motors; GRIP All-Wheel-Drive Traction System engaged during transport and mow
Deck/Reel drive pump	Gear	Gear
Reel control valves/Filtration/Cutting unit lift	Micro-backlap valve with reel speed control, 10 micron, 2 hydraulic	Micro-backlap valve with reel speed control, 10 micron, 2 hydraulic
Hydraulic system capacity, U.S. gal. (L)	5.5 U.S. gal. (20.8 L)	9.8 U.S. gal. (37.1 L)
Fuel tank capacity, U.S. gal. (L)	7.4 U.S. gal. (28 L)	13 U.S. gal. (49.21 L)
Steering	Hydraulic power steering	Hydraulic power with double-acting steering cylinder
Steering tires	20x10-8 standard turf	24x12-12 turf trac
Front drive tires	20x10x10 standard turf	24x12-12 multi trac
Ground pressure	N/A	14 psi
Brakes	2-wheel disc hand-controlled park brake; Dynamic braking through closed loop traction system	Disc and dynamic braking through closed loop hydrostatic system
Operating weight wet (cutting units raised), lb. (kg)	1,903 lb. (863.1 kg)	2,600 lb. (1179 kg)
Options available	Suspension seat, light kit	Light kit, sun shade, scraper kit, joystick

Controls		
Throttle	Hand	Hand
Forward/Reverse	Foot	Foot
Mower lift	One-touch hand controlled	One-touch hand controlled
Parking brake	Hand	Hand
Seat	Standard seat with seat belts	Deluxe suspension seats with seatbelts
PTO	Hand	Hand
ROPS	Standard meets pending ISO Standard 21299	Standard meets pending ISO Standard 21299
Tilt steering	N/A	Foot
Ignition	Key switch controlled glow plug	Key start



### 2653B PrecisionCut

Now enhanced with new Quick-Adjust reels, the 2653B is a high-quality, powerful trim mower that makes no compromises when it comes to performance.



### 7200 PrecisionCut

Our top-of-the-line reel trim mower offers Quick Adjust reels, higher horsepower, superior sight lines and the advantages of Width-on-Demand and Reach Trimming System.

**2653B Trim and Surrounds Mower      7200 Trim and Surrounds Mower**

**Dimensions**

Height with ROPS, in. (cm)	82 in. (208.3 cm)	83 in. (21.8 cm)
Length, in. (cm)	N/A	110 in. (279 cm)
Tread width, in. (cm)	52 in. (132 cm)	68 in. (172.7 cm)
Mowing width, in. (cm)	72 in. (183 cm) or 84 in. (213 cm)	68 in. (173 cm); 72 in. (183 cm) Width on Demand

**Ground speeds**

Mowing, mph (km/h)	0–5 mph (0–8 km/h)	0–6 mph (0–10 km/h)
Transport, mph (km/h)	0–8.5 mph (0–13.7 km/h)	0–9 mph (0–14 km/h)
Reverse, mph (km/h)	0–3 mph (0–4.8 km/h)	0–5 mph (0–6.4 km/h)

**Cutting units**

Type	Reel	Reel
Cutting unit width, in. (cm)	Quick Adjust QA7 26 in. (66 cm) or QA7 30 in. (76 cm)	Quick Adjust QA7 26 in. (66 cm) or QA7 30 in. (76 cm)
Number of blades	5 or 8	5 or 8
Backlapping/Bedknife adjustment	Standard/Reel-to-bedknife	Standard/Reel-to-bedknife
Construction	7-in. (17.8 cm diameter)	7-in. (17.8 cm diameter)
Front rollers, in. (cm)	Optional — 3 in. (7.5 cm) grooved, solid or spiral	Optional — 3 in. (7.5 cm) grooved, solid or spiral

**Warranty**

Type	Two-year limited	Two-year limited
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**Certification**

Type	CE and ANSI B71.4-2004	CE and ANSI B71.4-2004
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**Options**

**7200**

- Light kit
- Sun shade
- Scraper kit
- Joystick

**2653B**

- Light kit
- Suspension seat



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

# Pick the right rotary model for you.

## 7400 TerrainCut and Surrounds Mower    8800 TerrainCut Rough Mower

Engine		
Type	Yanmar	Yanmar
Maximum rated horsepower (kW)	37.1 hp* (27.67 kW) @ 2,600 RPM	43.1 hp* (32.2 kW) @ 2,600 RPM
Cylinders	3	3
Air cleaner	2-stage dry element	2-stage dry element
Fuel	Diesel	Diesel
Cooling system	Liquid centrifugal pump	Liquid centrifugal pump
Vehicle		
Traction type	Hydrostatic pump to 3 wheel motors with GRIP All-Wheel-Drive Traction System	Servo-controlled hydrostatic pump to 4 wheel motors with GRIP All-Wheel-Drive Traction System
Deck/Reel drive pump	Gear	Tandem gear pump
Deck drive	Direct-coupled hydraulic gear motor	Direct-coupled hydraulic gear motor
Reel control valves/Filtration/Cutting unit lift	N/A	N/A
Hydraulic system capacity, U.S. gal. (L)	9.8 U.S. gal. (37.1 L)	12 U.S. gal. (45.4 L)
Fuel tank capacity, U.S. gal. (L)	13 U.S. gal. (49.21 L)	18 U.S. gal. (68.1 L)
Steering	Hydraulic power with double-acting steering cylinder	Hydraulic power with double-acting steering cylinder
Steering tires	23x10.5-12 Multi Trac	20x10-8 Turf
Front drive tires	24x12-12 Turf Trac	26x12-12 Turf Trac R/S
Ground pressure	14 psi	12 psi
Brakes	Disk and dynamic braking through closed loop hydrastatic system	Disk and dynamic braking through closed loop hydrastatic system
Operating weight wet (cutting units raised), lb. (kg)	2,624 lb. (1190 kg)	3,097 lb. (1405 kg)
Options available	Light kit, sunshade, scraper kit, mulch kit, joystick	Cruise control, scraper kit, mulch kit, canopy
Controls		
Throttle	Hand throttle	Hand control on operator control console
Forward/Reverse	Dual pedal	Dual pedal
Mower lift	Single hand lever located on operator control arm	Single hand lever located on operator control arm
Parking brake	Foot pedal lock for foot-operated park brake	Foot pedal lock for foot-operated park brake
Seat	Deluxe suspension seat with seat belts	Deluxe suspension
PTO	Hand lever located on command arm	Hand lever located on command arm
ROPS	Standard meets pending ISO Standard 21299	Standard meets pending ISO Standard 21299
Tilt steering	Foot operated	Foot operated
Ignition	Key start	Key switch controlled glow plug



### 7400 TerrainCut

Highly maneuverable—and with a wide 74-inch width-of-cut with Width on Demand—the 7400 is ideal for close-in work around bunkers and greens or productive enough for large areas.



### 8800 TerrainCut

With its wide 88-inch width-of-cut and powerful engine, the 8800 is tailor-made for tending the larger swathes of the rough.

**7400 TerrainCut and Surrounds Mower    8800 TerrainCut Rough Mower**

Dimensions		
Height with ROPS, in. (cm)	83 in. (210.8 cm)	84.25 in. (2.4 m)
Length, in. (cm)	123 in. (312.4 cm)	125.98 in. (3.7m)
Tread width, in. (cm)	67.375 in. (171 cm)	85.83 in. (2.18 m)
Mowing width, in. (cm)	68 in. (172.7 cm) or 74 in. (188 cm) Width On Demand	88 in. (2.23 m)

Ground speeds		
Mowing, mph (km/h)	0–6 mph (0–10 km/h)	0–8.0 mph (0–12.8 km/hr)
Transport, mph (km/h)	0–9 mph (0–14 km/h)	0–12.5 mph (0–20.12 km/hr)
Reverse, mph (km/h)	0–5 mph (0–6.4 km/h)	0–5 mph (0–6.4 km/hr)
Turning radius	20-in. (50.8 cm) uncut circle	

Cutting units		
Type	Rotary	Rotary
Cutting unit width, in. (cm)	27 in. (68.6 cm)	21 in. (53.3 cm)
Number of blades	N/A	N/A
Backlapping/Bedknife adjustment	N/A	N/A
Height-of-cut range, in. (cm)	1–4 in. (2.54–10.2 cm) in 25-in. (6 cm) increments	1–4 in. (2.54–10.2 cm)
Construction	10-gauge steel	10-gauge steel
Rear roller diameter, in. (cm)	3 in. (7.6 cm)	3 in. (7.6 cm)
Front rollers, in. (cm)	Caster wheels	(2) 4-in. (10.2 cm) diameter, 5-in. (12.7 cm) wide front

Warranty		
Type	Two-year limited	Two-year limited

Certification		
Type	CE and ANSI B71.4-2004	CE and ANSI B71.4-2004

Sound levels		
Operator ear	N/A	N/A
Measuring standard	N/A	N/A
Attachments Installed	N/A	N/A

## Options

### 7400

- Light kit
- Mulch kit
- Sun shade
- Scraper kit
- Joystick

### 8800

- Cruise control
- Mulch kit
- Scraper kit
- Canopy



COMPARISON CHART	7400 TerrainCut	Toro 3500	Jacobsen AR-3
Mowing width	Width On Demand 68 in. or 74 in.	68 in. or 72 in.*	72 in.
Width-of-cut adjust from seat	Yes	No	No
Max trimming reach	15 in.	12 in. or 14 in.**	8 in. Left side only
Engine net horsepower	36 hp (26.8 kW) @2,600 RPM	32 hp (23.9 kW) @2,800 RPM	32.8 hp (24.5 kW)
Fuel capacities gallon (L)	13 gal. (49.2 L)	11 gal. (42L)	12 gal. (45.4 L)

\*72-in. configuration requires lift arm change. \*\*14-in. trimming reach only with 72-in. width of cut.

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

## 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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