

# John Deere Riding Mowers







## Electric 90 Riding Mower

With a John Deere Electric 90 Riding Mower you'll discover how wonderfully pleasant and carefree lawn care can be.

You'll notice how remarkably quiet the Electric 90 is compared with a conventional gas-powered mower. So quiet you'll be more relaxed while cutting grass—and more rested after you've finished. So quiet you can cut grass at sunrise or sunset without disturbing your neighbors. And there's no engine heat or exhaust fumes.

The 90 "speaks softly" because power is supplied by three electric motors that are extremely quiet. The traction motor, which propels the unit, can scarcely be heard at all. And when you switch on the two electric motors that power the 34-inch, twin-bladed mower, the sound is limited largely to the cutting action of the blades.

The Electric 90 requires little maintenance. For example, the three 12-volt batteries supply plenty of power to operate the 90 for about 1½ hours and cut about an acre in average conditions. To charge the batteries, simply plug in the built-in charger, which is located in the battery compartment under the hood, into a standard household electrical outlet. Set the charger knob to show the length of time the mower was operated the last time it was used.

You never concern yourself with engine oil, air filters, spark plugs, or refueling. Just an occasional check to maintain battery water, and periodic lubrication keep the Electric 90 running smoothly. See it at your John Deere dealer's. Ask him about his finance plan that can put one to work for you tomorrow.



## Electric 90 Riding Mower Features

**To charge the batteries,** just plug the charger cord into a household outlet and turn the charger knob to show the length of time the mower was operated the last time it was used. The charger can be left plugged in all week, all month or all winter. Electricity is "trickled" into the batteries to maintain a complete charge. Electricity costs about 7 cents a week during mowing season; about 14 cents per month during storage.

**An oscillating front axle** helps keep the Electric 90 level when it is operated on uneven ground. Excellent stability is provided by a low center of gravity.

**Controls are located** on an instrument console. The gearshift controls ground speed; there are three speeds forward and one reverse. A key switch starts the traction motor and a toggle switch starts the mower. As a safety measure, the traction motor cannot be started unless the gearshift is in neutral, the mower switch is in the "off" position, and the ignition key is used. And if the key is turned off while the mower is running, the mower toggle switch must be recycled before the mower can be restarted.



### Specifications

(Specifications and design subject to change without notice.)

#### Dimensions and Weight

Length ..... 56.2 in.  
Overall width (incl. mower) .... 43 in.  
Weight  
(approx. curb weight) ..... 475 lb.

#### Batteries

Number used ..... 3  
Weight (each, dry) ..... 34.5 lb.  
Voltage ..... 12 volts  
Type ..... Motive power specifically designed to give long cycle life and withstand deep charging.  
Warranty ..... 5 years; 2 years full warranty, 3 additional years pro rata warranty.

#### Charger

Charger capacity. Full charge—12 hr.  
80% charge—5 hr.  
Line voltage ..... 100/124V AC household current

Temperature range ..... Ambient compensated

#### Traction Motor

Type ..... Permanent-magnet, 2-pole  
Voltage ..... 36 volts DC  
Speed ..... 3,600 rpm  
Protection ..... Thermal overload and fuse

#### Mower Motors

Number ..... 2  
Type ..... Permanent-magnet, 2-pole  
Voltage ..... 36 volts DC  
Speed ..... 3,200 rpm  
Protection ..... Thermal overload and fuse

#### Transaxle

Maximum ground speeds ..... 1st gear, 1.5 mph  
2nd gear, 2.8 mph  
3rd gear, 4.2 mph  
Reverse, 2.1 mph  
Clutch ..... V-belt from traction motor to transaxle

#### Mower

Width of cut ..... 34 in.  
Height of cut ..... 1 to 4 in. above ground

#### Mower cutting height

(Figure 1) adjusts to any distance from one to 4 inches above the ground. Mower is raised and lowered easily with the lift lever on the pedestal (Figure 2). When the mower is lowered it returns to the preset position. The 34-inch mower is designed for non-scalp mowing. It produces an even discharge of clippings.



#### This OPEI certification

**decals** on John Deere Mowers means that a representative sample mower has been tested by an independent laboratory and met the American National Standards Institute specifications ANSI B71.1a-1974, "Safety Specifications for Power Lawn Mowers." These standards are intended to minimize the risk of personal injury.