

John Deere Lawn and Garden Tractors and 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 when compared to a conventional gas-powered mower. So quiet you'll perhaps be more relaxed than ever before while cutting grass—and more rested after you've finished. So quiet you can cut grass from sunrise to 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 noise 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 charger, which is in the battery compartment under the hood, into any household electrical outlet. An overnight charge restores battery power.

You never concern yourself with changing engine oil, air filters, and spark plugs, or refueling. 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 any household outlet and turn the charger dial to the "on" position. The charger can be left plugged in all week, all month or all winter. For a few minutes every 24 hours 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.
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	2,400 rpm
Protection	Thermal overload

Mower Motors

Number	2
Type	Permanent-magnet, 2-pole
Voltage	36 volts DC
Speed	3,200 rpm

Transaxle

Maximum ground speeds	1st gear, 1.8 mph 2nd gear, 3.4 mph 3rd gear, 5.0 mph Reverse, 2.5 mph
Clutch	V-belt from traction motor to transaxle

Mower

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

Attachments

Front blade for light snow.
Lawn Sweeper
Dump Cart

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