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Yard Force YF56vRX-RER38Li50

Yard Force 56V 40-Inch LFP Electric Ride-On Lawn Tractor User Manual

Model: YF56vRX-RER38Li50

IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating the lawn tractor. Failure to follow these instructions may result in serious injury or death. Keep this manual for future reference.

- Ensure all guards and safety devices are in place and functioning correctly before operation.
- Never allow children or untrained persons to operate the lawn tractor.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and sturdy footwear.
- Clear the area of debris, rocks, and other objects that could be thrown by the blades.
- Operate the tractor only in daylight or good artificial light.
- Avoid operating on steep slopes. If necessary, mow across the face of slopes, not up and down.
- Turn off the engine and remove the key before performing any maintenance or clearing blockages.

SETUP AND INITIAL PREPARATION

1. Unpacking and Assembly

Carefully remove all components from the packaging. Ensure all parts listed in the packing list are present. Some minor assembly may be required, such as attaching the steering column or seat. Refer to the separate assembly guide for detailed instructions.

2. Battery Charging

The Yard Force 56V 40-Inch LFP Electric Ride-On Lawn Tractor is powered by a 56V 50Ah Lithium Iron Phosphate (LFP) battery. Before first use, fully charge the battery using the provided 57.6V DC 7.5A charger.



Figure 1: The Yard Force 56V 40-Inch LFP Electric Ride-On Lawn Tractor.



Figure 2: Close-up of the charging port located on the tractor's control panel. To charge, lift the orange cover and insert the charger plug firmly.

1. Locate the charging port on the tractor.
2. Connect the charger to a standard electrical outlet.
3. Insert the charger plug into the tractor's charging port.

4. Monitor the battery status on the integrated LCD display. The battery is fully charged when the indicator shows 100%.
5. Once charging is complete, disconnect the charger from the tractor and then from the outlet.

3. Pre-Operation Checks

- Ensure tires are properly inflated (15" front, 16" rear pneumatic tires).
- Check that the cutting deck is free of debris and blades are sharp and securely fastened.
- Verify that the seat is securely latched.
- Familiarize yourself with all controls, including the emergency stop button.

OPERATING INSTRUCTIONS

1. Starting and Driving

To start the tractor, insert the key into the ignition and turn it to the "ON" position. The LCD display will illuminate, showing battery status and mileage.



Figure 3: The integrated LCD display provides real-time battery status and mileage tracking.



Figure 4: The control panel features a drive selector (F-N-R for Forward, Neutral, Reverse) and a cruise control button (CCS).

- Select the desired direction (Forward or Reverse) using the F-N-R lever.
- Gradually press the foot pedal to accelerate. The tractor has a maximum driving speed of 8 MPH and a mowing speed of 5 MPH. Reverse speed is 3 MPH.
- To engage cruise control, press the "CRUISE" button once the desired speed is reached. Press again or apply the brake to disengage.

2. Mowing Operation

The 40" deck features a 38" (96cm) cutting width with twin blades rotating at 3400 rpm.



Figure 5: A user operating the Yard Force electric ride-on lawn tractor on a grassy area.

1. **Adjust Cutting Height:** Use the 12-position height adjustment lever to set the cutting height between 1.5" and 4.5". Select a

higher setting for longer grass and gradually lower it for subsequent passes if needed.

2. **Engage Blades:** Press the red button on the control panel to engage the cutting blades. Ensure no one is near the discharge chute before engaging.
3. **Mow in Overlapping Passes:** For best results, mow in slightly overlapping passes. Avoid sudden turns or stops that could scalp the lawn.
4. **Mulching/Side Discharge:** The tractor supports both mulching and side discharge. Ensure the appropriate attachment (mulch plug or side discharge chute) is installed for your desired cutting method.

3. Using the Optional Bagging Kit

An optional bagging kit is available for grass collection. This kit attaches to the rear of the tractor and collects clippings as you mow.



Figure 6: The optional bagging kit allows for easy collection and disposal of grass clippings.

When the bags are full, disengage the blades, turn off the tractor, and remove the bags for emptying. Always dispose of grass clippings responsibly.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Yard Force lawn tractor. Always turn off the tractor and remove the key before performing any maintenance.

1. Cleaning the Cutting Deck

After each use, clean the underside of the cutting deck to prevent grass buildup, which can affect cutting performance and lead to corrosion.



Figure 7: The cutting deck can be easily cleaned by attaching a hose to the wash port and running the blades briefly (refer to manual for detailed steps).

2. Blade Inspection and Sharpening

Inspect the cutting blades regularly for sharpness and damage. Dull or damaged blades can tear grass, leading to an unhealthy lawn. Replace or sharpen blades as needed. Always wear heavy-duty gloves when handling blades.

3. Battery Care

- Store the tractor and battery in a cool, dry place.
- Avoid fully discharging the battery frequently.
- For long-term storage, charge the battery to approximately 50-60% and store in a temperature-controlled environment.

4. Tire Pressure

Check tire pressure periodically to ensure even cutting and optimal traction. Refer to the tire sidewall for recommended pressure.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tractor does not start.	Battery is low or dead. Key is not in "ON" position. Safety interlock engaged.	Charge battery. Turn key to "ON". Ensure operator is seated and all safety levers are disengaged.
Blades do not engage.	Safety interlock engaged. Blade engagement button not pressed correctly.	Ensure operator is seated and all safety levers are disengaged. Press blade engagement button firmly.
Uneven cutting.	Dull or damaged blades. Uneven tire pressure. Cutting deck not level.	Sharpen or replace blades. Check and adjust tire pressure. Refer to manual for deck leveling instructions.
Reduced battery life.	Overgrown grass. Frequent use of high-speed/power settings. Battery degradation.	Mow more frequently. Use appropriate speed for conditions. Contact service if battery life significantly reduced.

SPECIFICATIONS

Feature	Detail
Brand	Yard Force
Model Number	YF56vRX-RER38Li50
Power Source	DC (56V 50Ah LFP Battery)

Feature	Detail
Charger	57.6V DC 7.5A
Coverage Area	Up to 2 acres
Cutting Deck Width	40 inches (38 inches / 96cm cutting width)
Blade RPM	3400 rpm (twin blades)
Cutting Height Adjustment	12 positions (1.5" to 4.5")
Forward Speed (Driving)	8 MPH
Forward Speed (Mowing)	5 MPH
Reverse Speed	3 MPH
Front Tires	15 inches pneumatic
Rear Tires	16 inches pneumatic
Item Weight	529 Pounds
Product Dimensions (D x W x H)	66"D x 35"W x 45"H
UPC	846325017688

WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact Yard Force customer service. Keep your proof of purchase and model number readily available.

A 3-Year Protection Plan is available for this product. Please refer to the separate warranty documentation provided with your purchase for full terms and conditions.

You can also visit the official Yard Force website for additional resources and FAQs: [Visit the Yard Force Store](#)

PRODUCT OVERVIEW VIDEO

Your browser does not support the video tag.

Video: Official product overview of the Yard Force 56V 40-Inch LFP Electric Ride-On Lawn Tractor, demonstrating key features and operation.

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Related Documents - YF56vRX-RER38Li50

 <p>Yard Force YF56vRX-RER38Li50 Riding Lawn Mower Owner's Manual</p>	<p>Yard Force YF56vRX-RER38Li50 Riding Lawn Mower Owner's Manual</p> <p>This owner's manual provides essential safety instructions, operating procedures, assembly guidance, maintenance tips, troubleshooting, and warranty information for the Yard Force YF56vRX-RER38Li50 Riding Lawn Mower.</p>
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 <p>Yard Force YF21-2N1 21-Inch Lawn Mower Operator's Manual Safety & Operation Guide</p>	<p>Your essential guide to the Yard Force YF21-2N1 21-inch gas lawn mower. This manual covers safety, assembly, operation, maintenance, and troubleshooting for optimal performance and user safety. Learn how to care for your lawn with Yard Force.</p>
 <p>Yard Force Classic 500 Robotic Mower Installation Guide</p>	<p>Comprehensive installation guide for the Yard Force Classic 500 robotic mower, covering setup, operation, maintenance, and troubleshooting. Learn how to install your robotic lawnmower safely and effectively.</p>
 <p>Yard Force YF22-3N1SPVS-SC 22-Inch 3-in-1 Self-Propelled Lawn Mower Operator's Manual</p>	<p>This operator's manual provides essential information for the safe and effective use of the Yard Force YF22-3N1SPVS-SC 22-inch 3-in-1 self-propelled lawn mower. It covers safety instructions, assembly, operation, maintenance, troubleshooting, and warranty details for residential lawn care.</p>
 <p>Yard Force YF22-3N1SP 22-Inch 3-in-1 Self-Propelled Lawn Mower Operator's Manual</p>	<p>This operator's manual provides comprehensive instructions for the Yard Force YF22-3N1SP 22-inch 3-in-1 self-propelled lawn mower. It covers essential safety guidelines, detailed assembly procedures, operation tips, maintenance schedules, troubleshooting common issues, and warranty information.</p>
 <p>Yard Force YF22-3N1SP-SC 22-Inch 3-in-1 Self-Propelled Lawn Mower Operator's Manual</p>	<p>Comprehensive operator's manual for the Yard Force YF22-3N1SP-SC 22-inch 3-in-1 self-propelled lawn mower, covering safety instructions, assembly, operation, maintenance, and troubleshooting.</p>