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› Yard Force 120V 2.5Ah x 2 Lithium-Ion 22" Self-Propelled 3-in-1 Mower Instruction Manual

Yard Force YOLMX225300

Yard Force 120V 2.5Ah x 2 Lithium-Ion 22" Self-Propelled 3-in-1 Mower

Model: YOLMX225300

1. PRODUCT OVERVIEW

The Yard Force YF120vRX 22" Self-Propelled 3-in-1 mower is a powerful Lithium-Ion powered mower designed for yards up to 1/2 acre. It features a brushless motor with Torque-Sense Control for optimal performance and a 3-in-1 steel deck for bagging, mulching, or side-discharge. This mower is designed for ease of use, reduced effort, and efficient storage.



Figure 1: The Yard Force 22-inch Self-Propelled Mower, including the main unit, two 120V Lithium-Ion batteries, and a fast charger.

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Video 1: An overview of the Yard Force 120vRX Lithium-Ion Outdoor Power Tools series, showcasing the 22-inch self-propelled mower, leaf blower, and line trimmer, highlighting key features like dual battery compartments, single-handle deck height adjustment, speed cruise control, and attachment-capable power shafts.

2. ASSEMBLY & SETUP

2.1 Handle Assembly

The mower features a quick-release adjustable and folding handle for easy setup and storage. To assemble, unfold the handle and secure it in the desired operating position using the quick-release levers.

Adjustable Handle



Figure 2: The adjustable handle mechanism, allowing users to customize the handle height for comfortable operation.

2.2 Battery Installation

The mower operates with one or two 120V 2.5Ah Lithium-Ion batteries. Ensure batteries are fully charged before use. Insert the batteries into the dual battery compartment until they click securely into place. The mower will automatically switch between batteries when one is depleted.



Figure 3: A detailed view of the 120V Lithium-Ion battery, showing its internal cell structure.

2.3 Deck Height Adjustment

Adjust the cutting height using the single-lever height adjustment mechanism. There are 6 positions available to suit various grass lengths and preferences.

3. OPERATION

3.1 Starting the Mower

To start, ensure batteries are installed and the safety key is engaged. Press the push-button start. The brushless motor will provide instant power.

3.2 Self-Propelled Drive

Engage the self-propelled drive using the control lever on the handle. Adjust the speed with the touch of a lever. This feature reduces effort, especially on hills and slopes, ensuring a consistent cut.

3.3 3-in-1 Deck Functions

The 22" steel deck allows for three cutting modes:

- **Rear-Bagging:** For collecting grass clippings. The Vortex tunnel design ensures high capacity.
- **Mulching:** For finely cutting and returning clippings to the lawn as natural fertilizer.
- **Side-Discharge:** For expelling clippings out the side of the mower.

3.4 Torque-Sense Control

The mower is equipped with Torque-Sense Technology. Sensors in the motor detect when more power is needed for thick, dense, or wet grass, automatically increasing blade speed for a premium cut. This optimizes power usage and extends runtime.

4. MAINTENANCE

4.1 Battery Care

- Always use the provided 4 Amp fast charger.
- Store batteries in a cool, dry place away from direct sunlight.
- Avoid fully discharging batteries before recharging to prolong their lifespan.

4.2 Cleaning

- After each use, clean the underside of the deck to prevent grass buildup, which can affect cutting performance.
- Wipe down the exterior of the mower with a damp cloth. Do not use a pressure washer.

4.3 Blade Maintenance

Regularly inspect the mower blade for sharpness and damage. A dull blade can tear grass, leading to an unhealthy lawn. Sharpen or replace the blade as needed. Always disconnect batteries before performing any blade maintenance.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Mower does not start	Batteries not charged or improperly installed; Safety key not engaged; Overload protection activated.	Ensure batteries are fully charged and correctly inserted. Check if the safety key is fully engaged. Allow the motor to cool down if it was recently overloaded.
Poor cutting performance	Dull or damaged blade; Grass buildup under deck; Cutting too much grass at once.	Sharpen or replace the blade. Clean the underside of the deck. Raise the cutting height or mow more frequently.
Self-propelled feature not working	Drive lever not fully engaged; Obstruction in drive wheels.	Ensure the drive lever is fully engaged. Check for and remove any debris around the drive wheels.
Reduced battery runtime	Batteries not fully charged; Old or worn batteries; Mowing thick/wet grass.	Ensure batteries are fully charged. Consider replacing old batteries. Mow when grass is dry and avoid excessively thick areas if possible.

6. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	Yard Force
Model Number	YOLMX225300
Power Source	Battery Powered (120V Lithium-Ion)
Battery Capacity	2.5Ah x 2 (Included)
Charger	4 Amp Fast Charger (Included)
Motor Type	Brushless Motor with Torque-Sense Control
Cutting Width	22 Inches
Deck Material	Alloy Steel
Cutting Positions	6
Operation Mode	Automatic
Functions	3-in-1 (Bagging, Mulching, Side-Discharge)
Storage	Vertical Storage Capable
Product Dimensions	41 x 25 x 21 inches
Item Weight	108.8 pounds
UPC	846325003131

7. WARRANTY & SUPPORT

For warranty information and customer support, please refer to the official Yard Force website or contact their customer service directly. Keep your purchase receipt for warranty claims.

8. STORAGE

The Yard Force mower is designed for convenient vertical storage, saving up to 70% of storage space. To store vertically, ensure the fuel tank (if applicable, though this is battery-powered) is empty and the handle is folded down and secured.

Vertical Storage



Figure 4: The mower positioned for vertical storage, demonstrating its space-saving design.

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