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› Landworks Earth Auger Power Head User Manual

Landworks GUO021-FBA

Landworks Earth Auger Power Head User Manual

Model: GUO021-FBA

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Landworks Earth Auger Power Head. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.



Figure 1.1: Landworks Earth Auger Power Head with 8-inch auger bit.

Important Safety Information

Always prioritize safety when operating power equipment. Failure to follow safety instructions can result in serious injury or death.

- Always wear appropriate personal protective equipment (PPE), including ANSI standard hand and eye protection.
- Ensure the work area is clear of bystanders, especially children and pets.
- Operate the auger only on dirt surfaces. Do not use for rock, stone, or metal surfaces/debris.
- Familiarize yourself with all controls and safety features before starting the engine.

2. SETUP

Assembly

The Landworks Earth Auger is designed for straightforward assembly. Ensure all components are securely fastened before use.

- Attach the auger bit to the power head using the Push Bolt and R-Pin Clip design. This ensures the auger is securely locked in place, eliminating any looseness or play in the connection.
- Ensure the ergonomic handles are firmly attached, providing wide-spaced sure-grip for increased stability and balance.

ERGONOMIC HANDLE

WORK WITH COMFORT.

Wide spaced sure-grip handles, to increase stability and balance, without losing your grasp.

HANDLE CONTROLS

ON/OFF SWITCH

To avoid accidental start ups.

THROTTLE LEVER

For smooth operations and control.



Set the throttle level, using the integrated adjustment knob. For a finely tuned machine.



Figure 2.1: Ergonomic handle with ON/OFF switch and throttle lever for comfortable and controlled operation.

Fuel and Oil Mixture

This 2-stroke gas engine requires a specific fuel mixture for optimal performance and longevity.

- The fuel type for this auger is a **30:1 ratio of Gasoline & Oil**.
- Use 90-93 Octane Gasoline with 10% or less Ethanol.

- Use 2-stroke JASO-M345/JASO-FC/FD oil. Alternatively, a 50:1 pre-mix/pre-blend fuel can be used.
- The maximum fuel tank capacity is 1 Liter.
- Always mix fuel in a separate, approved fuel mixing canister before adding it to the auger's tank.

3HP POWERFUL GAS ENGINE

NOISE LEVEL



104DB

ACHIEVING GREAT POWER TO WEIGHT RATIOS.

The Landworks Gas Auger single cylinder engine outputs force under various load conditions, for more overall effective operation.

ROTATING POWER: 7,000RPMs

OUTPUT POWER: 1.3kW

TORQUE: 67Nm

Max fuel tank capacity 1 Liter.



This auger runs on a 3:1 mixture of gasoline and oil. Filled with 90-93 Octane Gasoline with 10% less ethanol and 2-stroke JASO M345 oil.

Figure 2.2: The 3HP 52cc gas engine, showing the fuel tank and engine details.

3. OPERATING INSTRUCTIONS

Starting the Engine

1. Ensure the ON/OFF switch on the handle is in the 'ON' position (or off the 'STOP' position).
2. Prime the engine if necessary (refer to specific engine priming instructions if available on the unit).

3. Hold the unit firmly by the handles.
4. Pull the starter cord until the engine starts. The engine should rumble at idle.
5. Squeeze the throttle lever to engage the auger bit and begin drilling.

Drilling Operation

The Landworks Earth Auger is ideal for various garden and lawn applications, including digging post holes, dirt removal, soil cultivation, and planting.

- Position the auger bit over the desired drilling location. The included fishtail design aids in precise centering.
- Gradually apply throttle and allow the auger to penetrate the soil. For dense or clay soil, lower the auger slowly to prevent it from getting wedged.
- The powerful 3Hp 52cc Gas 2 Stroke Single Cylinder OHV Engine provides excellent power to torque ratio performance, with a Max Rotating Power of 7000RPMs and a Max Output Power of 235RPMs at a 30:1 reduction gear ratio.
- The auger is capable of digging deep holes, with bits available up to 30 inches in length.



30" INCH DIGGING DEPTH

KEEP UP THE WORK DEMAND.

With the 30" inch alloy steel blade depth, easily make deep enough holes so your wood post are nice and stable. Never have to spend countless of wasted hours having to making deep dirt holes.

OVERLOAD PROTECTOR

Equipped with a transmission overload protector to prevent the power head from overheating.



35-40 HOLES PER TANK

The Earth Auger can dig approximately 35-40 holes on a single tank of fuel, allowing you to save time and back breaking work loads.

Figure 3.1: The auger demonstrating its capability for 30-inch digging depth, suitable for various applications.

DIGGING UP HOLES HAS NEVER BEEN EASIER

AN IDEAL CHOICE FOR FASTER DRILLING.

The world is moving a million miles per hour and there isn't much time during the day to being digging into the hard soil for hours and hours to make holes. Besides making holes with a shovel can be tiring.

Now digging post holes, bedding plants, bulbs, seedlings, fertilizing shrubs, water aeration or even heavy duty weed/root removal is much faster and easier with the earth auger.

RAPID HOLE DRILL DIGGING

WIDE VARIETY OF USES.

Our earth auger is an ideal choice for quick drilling into the earth in order to set into the ground:



Figure 3.2: Versatile applications of the Earth Auger for planting posts, poles, trees, and shrubs.

Official Product Video

Video 3.1: A review of the gas-powered earth auger by the seller, GreatCircleUSA, demonstrating its features and operation.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Landworks Earth Auger.

- The auger blades are made of Carbon Coated Steel for durability and rust resistance. The alloy steel blades are replaceable to maximize digging performance.
- The durable steel frame is protected by a powder-coated finish, allowing for longevity and corrosion resistance.
- The unit is equipped with a transmission overload protector to prevent the power head from overheating, and features efficient heat dissipation for longer run-times.
- After each use, clean the auger bit and power head to remove dirt and debris.
- Regularly check all bolts and fasteners for tightness.



CARBON COATED STEEL BLADE

FOR MAX PERFORMANCE & LONGIVITY.

The durable steel blade penetrates any type
of soil, roots and rocks.

ALLOY STEEL BLADE

Crafted out of iron, carbon, and other
elements to help maintain the blades edge
and prevent from shattering if dropped.

Figure 4.1: The carbon-coated steel blade, designed for maximum performance and longevity.

MAXIMUM DURABILITY AND PROTECTION

CRAFTED FOR HARSH WORKING CONDITIONS.



OVERLOAD PROTECTOR

Equipped with a transmission overload protector to prevent the power head from overheating.

DURABLE STEEL FRAME

Our auger head is protected by a powder coated steel frame allowing for longevity and corrosion resistance. Crafted to withstand high impact damage and repeat drilling.

EFFICIENT HEAT DISSIPATION

To avoid overheating and allowing longer run-times.



Figure 4.2: Features contributing to maximum durability and protection, including the overload protector and durable steel frame.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Landworks Earth Auger.

Problem	Possible Cause	Solution
Engine does not start or is difficult to start.	Incorrect fuel mixture, old fuel, clogged fuel filter, spark plug issue, ON/OFF switch in 'STOP' position.	Ensure correct 30:1 fuel mixture. Use fresh fuel. Check and clean/replace fuel filter. Inspect and clean/replace spark plug. Verify ON/OFF switch is in 'ON' position.

Problem	Possible Cause	Solution
Auger bit gets stuck or jams.	Hitting rocks, roots, or dense clay; attempting to drill too fast.	Do not use on rock or metal surfaces. Lower the auger slowly, especially in challenging soil. Clear obstructions if safe to do so.
Throttle sticks or is unresponsive.	Debris in throttle mechanism, cable issue.	Inspect throttle lever and cable for obstructions or damage. Clean as necessary. If issue persists, seek professional service.
Overheating.	Prolonged heavy use, insufficient cooling.	Allow the unit to cool down. Ensure cooling fins are clear of debris. The transmission overload protector should prevent severe overheating.

For more complex issues or repairs, it is recommended to contact qualified service personnel.

6. SPECIFICATIONS

Detailed technical specifications for the Landworks Earth Auger Power Head.

Feature	Detail
Model Number	GUO021-FBA
Engine Type	3HP 52cc 2-Stroke Single Cylinder OHV Gas Engine
Standard Power	1.3 kW
Max Rotating Power	7000 RPMs
Max Output Power	235 RPMs (at 30:1 reduction gear ratio)
Fuel Mixture	30:1 Gasoline (90-93 Octane, <10% Ethanol) to 2-stroke JASO-M345/JASO-FC/FD oil
Max Fuel Tank Capacity	1 Liter
Auger Bit Size (Included)	8" diameter x 24" length (with Fishtail)
Material	Heavy Duty Steel Construction, Rust Resistant Powder Heated Coating
Item Weight	39.8 pounds
Product Dimensions	22.5 x 12.6 x 38.6 inches

7. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please contact Landworks customer service or visit the official Landworks brand store.

The seller for this product is GreatCircleUSA. For direct inquiries, please refer to the contact information provided with

your purchase or on the product's retail page.

- Protection plans may be available for extended coverage. Check with your retailer for details.

For additional resources and product information, you may visit the [Landworks Store on Amazon](#).

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