

## POWERPLUS POWPG20130

# POWERPLUS POWPG20130 45.4cc 450mm Chainsaw User Manual

Model: POWPG20130

## INTRODUCTION

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Thank you for choosing the POWERPLUS POWPG20130 45.4cc 450mm Chainsaw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new chainsaw. Please read this manual thoroughly before initial use and keep it for future reference. Proper use and maintenance will ensure long-lasting performance and user safety.

## IMPORTANT SAFETY INSTRUCTIONS

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**WARNING:** Chainsaws can be dangerous. Improper use can result in serious injury or death. Always follow all safety precautions.

- Always wear appropriate personal protective equipment (PPE), including safety helmet, eye protection, hearing protection, gloves, and safety boots.
- Ensure the work area is clear of bystanders, children, and pets.
- Inspect the chainsaw before each use for loose parts, damage, or leaks.
- Never operate the chainsaw when fatigued, under the influence of alcohol, drugs, or medication.
- Maintain a firm grip with both hands on the chainsaw handles.
- Be aware of kickback and how to avoid it.
- Do not operate in wet conditions or near flammable liquids/gases.
- Always turn off the engine and engage the chain brake before making adjustments or performing maintenance.
- Transport the chainsaw with the engine off, chain brake engaged, and guide bar cover in place.

## SETUP AND ASSEMBLY

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### 1. Unpacking

Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged. Keep packaging materials for future storage or transport.

## 2. Guide Bar and Saw Chain Installation

1. Ensure the engine is off and the chain brake is engaged.
2. Remove the chain cover by loosening the two nuts.
3. Place the guide bar onto the studs, ensuring the chain tension pin fits into the hole on the guide bar.
4. Carefully place the saw chain around the sprocket and into the guide bar groove. Ensure the cutting edges of the chain teeth face forward in the direction of rotation.
5. Replace the chain cover and hand-tighten the nuts. Do not fully tighten yet.

## 3. Fuel and Chain Oil Filling

This chainsaw uses a 2-stroke engine. It requires a mixture of unleaded gasoline and 2-stroke engine oil. Refer to the engine oil manufacturer's instructions for the correct mixing ratio (typically 25:1 or 50:1, depending on oil type). Always mix fuel in a separate, approved container.

- **Fuel Tank:** Fill with the correct fuel mixture.
- **Chain Oil Tank:** Fill with high-quality chain lubricant oil. The chainsaw features automatic chain lubrication.



Figure 1: Automatic chain lubrication system. The oil reservoir has a maximum capacity of 250ml, ensuring reduced chain wear during operation.

#### 4. Chain Tension Adjustment

Correct chain tension is crucial for safe and efficient operation. The chain should be snug against the guide bar but still able to be pulled freely by hand. Adjust the tensioning screw until the chain is properly tensioned. Once adjusted, fully tighten the two nuts on the chain cover.

### OPERATING INSTRUCTIONS

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#### 1. Starting the Engine

The POWERPLUS POWPG20130 chainsaw is designed for easy starting, even with a cold engine.



**AUTOMATISCHER CHOKE**

**Einfacher Start, auch bei kaltem Motor**

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Figure 2: Automatic choke for easy starting, even with a cold engine. The "Start" lever is clearly visible.



## "Easy to start" Motor für einen reibungslosen Start

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Figure 3: "Easy to start" motor for smooth ignition. Indicators for cold and hot start conditions are shown.

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake.
3. For a cold engine, activate the automatic choke (refer to Figure 2).
4. Press the primer bulb several times until fuel is visible.
5. Pull the starter cord firmly until the engine fires (it may run briefly and then stop).
6. Disengage the choke (if applicable, or it may disengage automatically).
7. Pull the starter cord again until the engine starts and runs smoothly.
8. For a warm engine, the choke may not be necessary.
9. Allow the engine to warm up for a few moments before beginning work.

## 2. Cutting Techniques

Always maintain a stable stance and a firm grip on the chainsaw. Plan your cuts to avoid kickback and ensure the log or material is properly supported. Start cutting with the chain at full speed. Avoid cutting with the tip of the guide bar to

minimize kickback risk. The chainsaw is designed for heavy-duty tasks, offering reduced kickback and vibrations for improved user comfort and control.



## Weniger Rückschlag und Vibrationen

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Figure 4: Chainsaw in operation, demonstrating reduced kickback and vibrations during cutting tasks on a log supported by a sawhorse.

### MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your chainsaw. Always ensure the engine is off, cool, and the spark plug cap is disconnected before performing any maintenance.

- **Chain Sharpening:** A sharp chain is essential for efficient and safe cutting. Sharpen the chain regularly or replace it when dull.
- **Air Filter Cleaning:** Clean the air filter frequently, especially when working in dusty conditions. A clogged air filter can reduce engine performance.
- **Spark Plug Inspection:** Inspect the spark plug periodically. Clean or replace it if it is fouled or worn.
- **Guide Bar Maintenance:** Clean the guide bar groove and oil holes. Flip the guide bar periodically to ensure even wear.

- **General Cleaning:** Keep the chainsaw clean from sawdust, debris, and oil residue.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, fouled spark plug, flooded engine.	Check fuel level and mixture. Adjust choke. Clean/replace spark plug. Follow flooded engine starting procedure.
Engine runs poorly	Dirty air filter, incorrect fuel mixture, dull chain.	Clean air filter. Use correct fuel mixture. Sharpen or replace chain.
Chain does not lubricate	Empty oil tank, clogged oil port, damaged oil pump.	Fill oil tank. Clean oil port. Contact service for pump issues.
Excessive vibration	Loose components, damaged chain/bar, unbalanced engine.	Check all fasteners. Inspect chain and bar for damage. Contact service if engine is unbalanced.

## SPECIFICATIONS

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Geeignet für schwere Arbeiten

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Figure 5: The POWERPLUS POWPG20130 chainsaw features a 45.4cc engine and a 450mm guide bar, making it suitable for demanding cutting tasks.

- **Model:** POWPG20130
- **Brand:** POWERPLUS
- **Engine Displacement:** 45.4cc
- **Guide Bar Length:** 450mm
- **Power (Horsepower):** 1000 HP *(Note: This value is provided in the product specifications and may represent a different unit or a placeholder.)*
- **Dimensions (L x W x H):** 32.2L x 8.9W x 7H centimeters
- **International Article Number (EAN):** 05400338079931
- **Automatic Chain Lubrication:** Yes

## WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please refer to the warranty card included with your product or

contact your local POWERPLUS dealer or customer service. Keep your purchase receipt as proof of purchase.

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