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HUYOSEN HN-C6220E

HUYOSEN 62CC 2-Cycle Gas Powered Chainsaw HN-C6220E User Manual

Model: HN-C6220E

Introduction

Thank you for choosing the HUYOSEN 62CC 2-Cycle Gas Powered Chainsaw. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your chainsaw. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

Important Safety Instructions

WARNING: Failure to follow these safety instructions can result in serious injury or death.

- Always wear appropriate personal protective equipment (PPE) including a 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 fuel leaks. Do not operate a damaged chainsaw.
- Handle fuel with extreme care. Refuel in a well-ventilated area with the engine off and cool.
- Maintain a firm grip with both hands on the chainsaw handles.
- Be aware of kickback. Avoid cutting with the tip of the guide bar.
- Never operate the chainsaw when fatigued or under the influence of alcohol or drugs.
- Keep all body parts away from the saw chain when the engine is running.
- Use the chain brake feature for optimal safety during usage.

Product Overview and Components

The HUYOSEN HN-C6220E is a powerful 62CC 2-cycle gas-powered chainsaw designed for cutting wood, trees, and other demanding tasks. It features a 20-inch low-kickback bar and chain for efficient cutting performance.



Image: Overview of the HUYOSEN 62CC Chainsaw, highlighting its 62CC engine, 4.1HP horsepower, 8500 r/min idling speed, 20-inch guide bar, and 14.7 lbs weight.

Key features include:

- **High Performance Engine:** 62CC 4.1HP two-stroke engine with an engine speed up to 8500 rpm.
- **20-Inch Bar and Chain:** Low-kickback design for improved cutting efficiency.
- **Automatic Oiling System:** Ensures continuous lubrication of the bar and chain, extending service life.
- **Safety Features:** Fast stop chain brake and safety switch to prevent accidental starts.
- **Ergonomic Design:** Comfortable, anti-skid handle for balanced and maneuverable operation.
- **Durable Construction:** Polymer chassis engineered for reliable performance.
- **Super Air Filter System:** Extends air filter life and reduces fuel consumption.



Image: The HUYOSEN chainsaw displayed with its included accessories, such as the guide bar, saw chain, instruction manual, tool kit, and fuel mixing bottle.

Package Content:

- 1 X 20" guide bar
- 1 X 20" saw chain (pitch: 3/8", gauge: .058", drive link count: 76)
- 1 X Instruction Manual (this document)
- 1 X tool kit
- 1 X 2L Fuel Mixing bottle

Setup and Assembly

Before operating your chainsaw, proper assembly of the guide bar and chain is crucial. Follow these steps carefully:



Image: A nine-step visual guide demonstrating the installation of the guide bar and saw chain onto the chainsaw body.

1. **Step 1:** Engage the brake forward to remove the bar nuts.
2. **Step 2:** Remove the black washer.
3. **Step 3:** Lift the chain above the sprocket.
4. **Step 4:** Install the bar and put the chain into the groove.
5. **Step 5:** Steer the adjuster pin to the bar hole.
6. **Step 6:** Finger tighten the bar nuts.
7. **Step 7:** Tighten the saw chain clockwise using the tensioning screw.
8. **Step 8:** Test the saw chain tension. It should be snug but still able to be pulled freely by hand.
9. **Step 9:** Fully tighten the bar nuts with the provided tools.

Fuel and Oil Mixing

This chainsaw uses a two-cycle engine and requires a specific fuel/oil mixture. Use unleaded gasoline and a high-quality two-cycle engine oil.

- **Two-cycle Oil/Gasoline Mixing Ratio:** 1:25
- **Fuel Tank Capacity:** 750ml
- **Engine Oil Tank Capacity (for chain lubrication):** 400ml

Mix the fuel and oil thoroughly in the provided mixing bottle or a separate approved fuel container before filling the fuel tank. Fill the separate engine oil tank with appropriate chain lubricant.

Operating Instructions

Starting the Engine

Always ensure the chain brake is engaged before attempting to start the chainsaw.



Image: A visual guide detailing the steps for starting both a cold engine (top row) and a warm engine (bottom row) of the chainsaw.

To Start a Cold Engine:

1. **Step 1:** Push the brake forward (click) to engage the chain brake.

2. **Step 2:** Open the engine (up) and pull the choke out.
3. **Step 3:** Pull the starter handle up to 6 times until the engine briefly fires.
4. **Step 4:** Push the choke fully back in.
5. **Step 5:** Pull the starter handle until the engine starts.
6. **Step 6:** Push the brake forward and hold the throttle trigger to disengage the chain brake and allow the chain to move.

To Start a Warm Engine:

1. **Step 1:** Open the switch button (up).
2. **Step 2:** Pull the starter handle until the engine starts.
3. **Step 3:** Push the brake forward and hold the throttle trigger to disengage the chain brake and allow the chain to move.

General Cutting Guidelines

- Always maintain a balanced stance and firm grip on the chainsaw.
- Never cut above shoulder height.
- Be aware of falling branches and logs. Plan your escape route before cutting.
- Avoid cutting into the ground or other hard objects.
- When cutting, let the saw do the work. Do not force it.
- Engage the chain brake immediately after completing a cut or when moving between cuts.



Image: A person wearing protective gloves operating the HUYOSEN chainsaw to cut through a large log, demonstrating typical usage.



Image: A collage showing the versatility of the HUYOSEN chainsaw, capable of cutting various materials like stacked wood, logs, and even ice blocks.

Maintenance

Regular maintenance ensures the longevity and safe operation of your HUYOSEN chainsaw.

- **Chain Lubrication:** The automatic oil supply system ensures continuous lubrication. Regularly check the engine oil tank capacity (400ml) and refill with appropriate chain lubricant. Note that some oil dripping after use is normal due to residual oil on the chain.
- **Air Filter:** The Super Air Filter System helps extend filter life. Periodically inspect and clean the air filter to maintain optimal engine performance and reduce fuel consumption. Replace if damaged.
- **Chain Sharpening:** Keep the saw chain sharp for efficient and safe cutting. A dull chain can cause kickback and strain the engine. Refer to a professional or use appropriate sharpening tools.
- **Spark Plug:** Inspect and clean the spark plug periodically. Replace if worn or fouled.
- **General Cleaning:** Keep the chainsaw clean from sawdust, debris, and resin buildup. Ensure cooling fins are clear for proper heat dissipation.

- **Storage:** When storing the chainsaw for extended periods, drain the fuel tank and run the engine until it stops to clear the carburetor. Clean the chainsaw thoroughly and store it in a dry, secure place.

Troubleshooting

This section addresses common issues you might encounter with your chainsaw.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect fuel mix, fouled spark plug, engaged chain brake, incorrect starting procedure.	Check fuel level and mix. Clean/replace spark plug. Ensure chain brake is disengaged after starting. Follow cold/warm start procedure carefully.
Engine runs poorly or stalls	Dirty air filter, stale fuel, incorrect carburetor adjustment, dull chain.	Clean air filter. Use fresh fuel. Consult service center for carburetor adjustment. Sharpen or replace chain.
Chain does not move	Chain brake engaged, chain too tight, damaged clutch.	Disengage chain brake. Adjust chain tension. Contact service for clutch inspection.
Excessive vibration	Dull or damaged chain, loose components.	Sharpen or replace chain. Check and tighten all nuts and bolts.
Chain not oiling	Empty oil tank, clogged oil port, damaged oil pump.	Refill oil tank. Clean oil port. Contact service for oil pump inspection.

Technical Specifications

Brand	HUYOSEN
Model Number	HN-C6220E
Engine	1E48F (2-Cycle)
Displacement	62CC
Rated Input Power	4.1HP
Idling Speed	8500 r/min
Fuel Tank Capacity	750ml
Engine Oil Tank Capacity (for chain)	400ml
Two-cycle Oil/Gasoline Mixing Ratio	1:25
Guide Bar Length	20 Inches
Saw Chain Pitch	3/8"
Saw Chain Gauge	.058"
Saw Chain Drive Link Count	76
Item Weight	9.75 kg (21.5 lbs)

UPC	751717002299

Warranty and Support

HUYOSEN provides a **1-Year Warranty** for this Gasoline Powered Chain Saw. During the warranty period, if you encounter any issues or require assistance, please contact HUYOSEN customer support.
For technical support, machine assembly, start-up problems, replacement parts, or any other inquiries, please reach out to us via e-mail. We are committed to providing prompt assistance and resolving any problems you may have.
Please refer to your purchase documentation for specific contact details or visit the official HUYOSEN website for support information.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

What chain and bar specifications fit the HUYOSEN HN-C6220E chainsaw?

The HUYOSEN HN-C6220E 62CC Gas Powered Chainsaw uses a 20-inch guide bar and a specific saw chain. According to the technical specifications, the compatible chain and bar requirements are: Guide Bar Length: 20 Inches...

Read full answer

Where is the compression valve located on the HUYOSEN HN-C6220E chainsaw?

Based on the manual for the HUYOSEN HN-C6220E, there is no specific "compression valve" or decompression

valve listed in the primary components or starting instructions. However, the product description mentions a "safety valve throttle...

Read full answer

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