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› Kaichenyt 52CC 2.3HP Gas Powered Handheld Sweeper Instruction Manual

Kaichenyt outdoor broom

Kaichenyt 52CC 2.3HP Gas Powered Handheld Sweeper Instruction Manual

Model: outdoor broom

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your Kaichenyt 52CC 2.3HP Gas Powered Handheld Sweeper. Please read all instructions carefully before use to ensure proper function and to prevent injury or damage.



Image 1.1: Overview of the Kaichenyt 52CC 2.3HP Gas Powered Handheld Sweeper.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- **Read the Entire Manual:** Understand all controls and safety warnings before starting the engine.

- **Wear Protective Gear:** Always wear eye protection, hearing protection, long pants, and sturdy footwear. Gloves are recommended.
- **Fuel Handling:** Handle gasoline with extreme care. Store fuel in approved containers, in a well-ventilated area, away from ignition sources. Do not refuel while the engine is running or hot.
- **Work Area:** Keep the work area clear of bystanders, children, and pets. Ensure adequate ventilation when operating in enclosed spaces.
- **Inspect Before Use:** Check for loose parts, damaged components, or fuel leaks before each operation. Do not operate a damaged machine.
- **Throttle Safety Lock:** The throttle safety lock is designed to prevent accidental starting. Ensure you understand its operation.
- **Engine Shut-off:** Familiarize yourself with the one-touch off button for emergency shutdowns.
- **Hot Surfaces:** The engine and exhaust system become very hot during operation. Avoid contact to prevent burns.

3. COMPONENTS AND PARTS IDENTIFICATION

Familiarize yourself with the key components of your handheld sweeper.



Image 3.1: Key components of the sweeper engine and housing.

1. **Heat Dissipation Hole:** Ensures stable operation and prolongs motor life.
2. **Damper Slider:** Used to close the dampers upward before a cold start; open them downward after starting.
3. **Air Filter:** Provides good impurity filtration, reducing power loss.
4. **Exhaust Hole:** Designed to reduce noise and protect hearing.
5. **Sparkplug:** Essential for engine ignition.
6. **PP Housing:** Provides protection against high temperatures and shock.
7. **Fuel Filler Port:** For adding fuel to the tank.



Image 3.2: Manual starter and large capacity fuel tank.

Manual Starter: Pull 3-5 times for easy starting.

Large Capacity Fuel Tank: Holds 0.26 gallons of fuel for extended use without frequent refueling.

4. SETUP AND ASSEMBLY

Follow these steps to assemble your handheld sweeper before initial use.

4.1. Handle and Shoulder Strap Assembly

Attach the handle and shoulder strap for comfortable and secure operation.

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Video 4.1: This video demonstrates the installation process for the handle and shoulder strap, showing how to secure the handle to the shaft and attach the shoulder strap for balanced weight distribution.

4.2. Brush Head Attachment

Securely attach the brush head to the main shaft.

1. Align the brush head with the end of the main shaft.
2. Insert the connecting pin or bolt through the designated holes.
3. Secure the connection firmly. Ensure the brush head is stable and does not wobble.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your sweeper.

5.1. Fueling the Sweeper

- Ensure the engine is off and cool before refueling.
- Mix gasoline with 2-stroke engine oil according to the manufacturer's specifications (typically 25:1 or 50:1, refer to engine manual if available).
- Carefully pour the fuel mixture into the fuel tank through the fuel filler port (Image 3.1, item 07). Do not overfill.
- Securely close the fuel cap.

5.2. Starting the Engine

1. Move the damper slider (Image 3.1, item 02) to the 'Closed' position for a cold start. For a warm start, leave it 'Open'.
2. Press the throttle safety lock and the throttle switch simultaneously.
3. Pull the manual starter cord (Image 3.2) 3-5 times until the engine attempts to start or starts.
4. Once the engine starts, move the damper slider to the 'Open' position.
5. Allow the engine to warm up for a few moments before engaging the brush.

5.3. Operating the Sweeper

Controllable Operating **Lever**



Image 5.1: Controllable operating lever details.

- **Throttle Control:** The throttle switch allows you to regulate the speed between 6500-8500rpm, adapting to different cleaning scenarios.
- **Ergonomic Design:** The ergonomic handle and shoulder strap (Image 5.2) are designed for comfortable operation and to reduce arm fatigue by distributing weight to the shoulder.
- **Curved Baffle:** The curved baffle protects the operator from debris such as sand and small stones during operation.
- **Cleaning Ability:** The robust dense nylon brush head effectively removes dirt, leaves, and can clear snow and grit from various surfaces without causing damage.

Comfortable and Safe Use

Ergonomic Handle;
Comfortable and Easy
to Control



Curved Baffle;
Protect Operator from
Being Harmed by Sand
and Small Stones



Shoulder Strap
Share Weight;
Relieve Arm
Fatigue

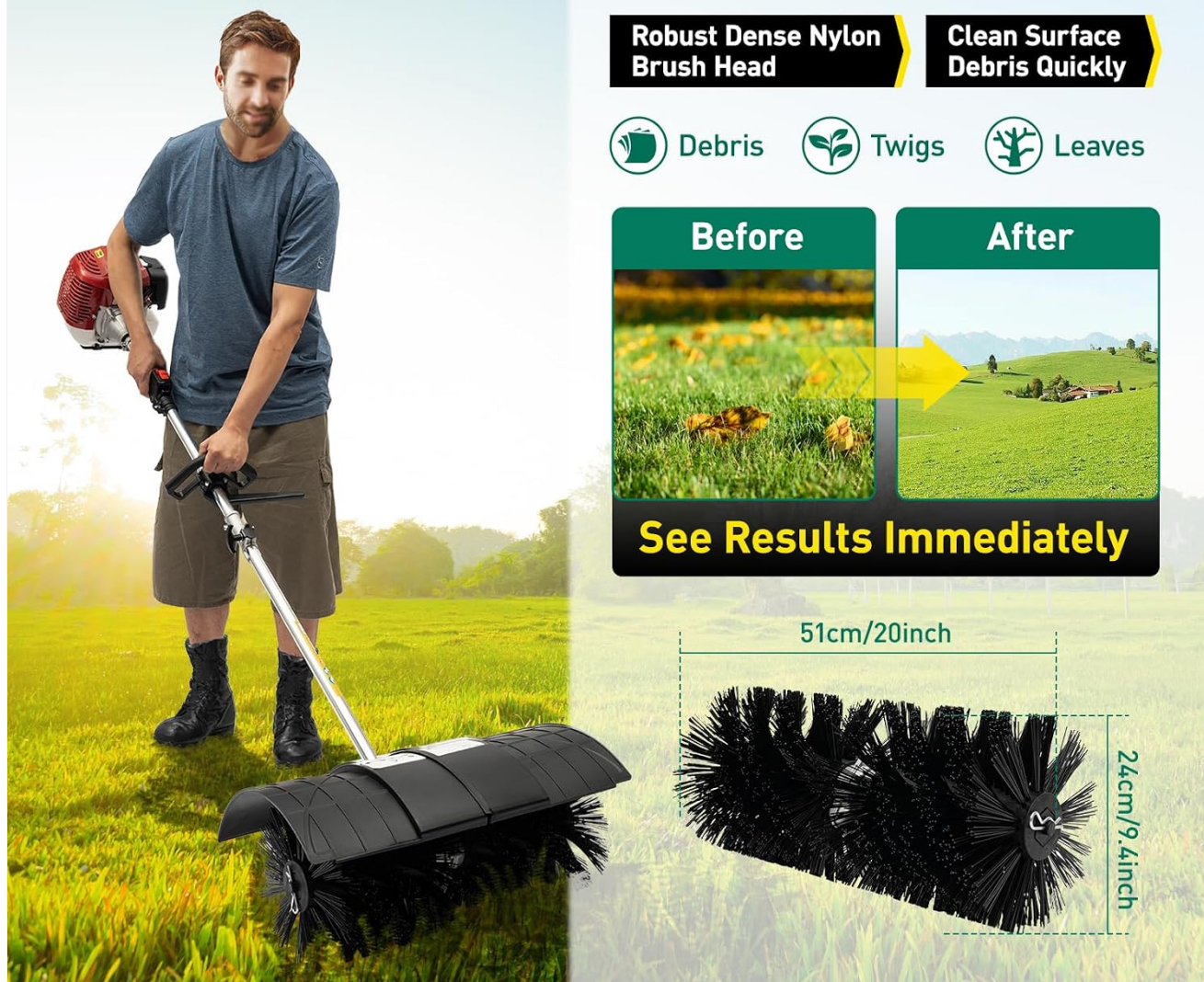


Aluminum Rod
Lightweight;
Prevention to
Rust and
Corrosion



Image 5.2: User operating the sweeper, highlighting comfort and safety features.

Professional Cleaning **Ability**



Robust Dense Nylon Brush Head **Clean Surface Debris Quickly**

Debris Twigs Leaves

Before **After**

See Results Immediately

51cm/20inch

24cm/9.4inch

Image 5.3: Demonstration of the sweeper's cleaning effectiveness and brush head dimensions (51cm/20inch width, 24cm/9.4inch diameter).

5.4. Stopping the Engine

To stop the engine, simply press the one-touch off button located on the operating lever (Image 5.1).

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sweeper.

- **Cleaning:** After each use, clean the brush head and housing to remove debris. Use a damp cloth for the engine exterior.
- **Air Filter:** Regularly inspect and clean the air filter (Image 3.1, item 03). A dirty air filter can reduce engine performance. Replace if damaged.
- **Spark Plug:** Check the spark plug (Image 3.1, item 05) periodically for wear and proper gap. Clean or replace as needed.
- **Fuel System:** If storing the sweeper for an extended period, drain the fuel tank or use a fuel stabilizer to prevent fuel

degradation.

- **Brush Head:** Inspect the nylon brush head for wear. Replace if bristles are significantly worn or damaged to maintain cleaning efficiency.
- **General Inspection:** Periodically check all nuts, bolts, and fasteners for tightness. Ensure all safety features are functioning correctly.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

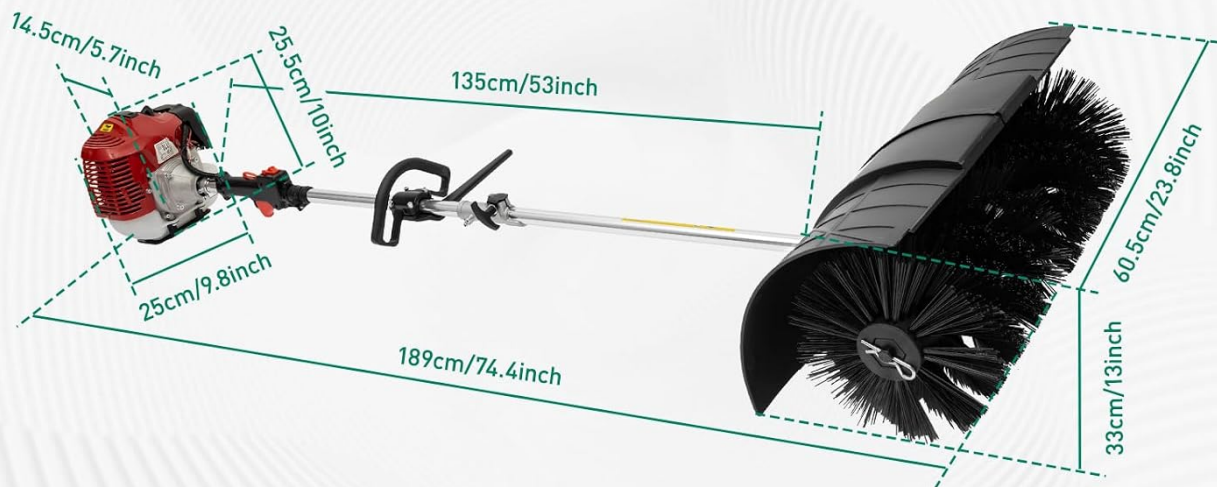
- **Engine Fails to Start:**
 - Check fuel level and ensure it's fresh and correctly mixed.
 - Verify the spark plug is clean and properly connected.
 - Ensure the damper slider is in the correct position for starting (closed for cold, open for warm).
 - Confirm the throttle safety lock and throttle are engaged simultaneously during starting.
- **Loss of Power/Poor Performance:**
 - Inspect the air filter for clogs and clean or replace if necessary.
 - Check the spark plug for fouling or incorrect gap.
 - Ensure the brush head is not obstructed by excessive debris.
- **Excessive Vibration:**
 - Check for loose components or fasteners.
 - Inspect the brush head for damage or imbalance.

If problems persist after attempting these solutions, contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the Kaichenyt 52CC 2.3HP Gas Powered Handheld Sweeper.

Parameter Display



Engine Type:
2-stroke Air-cooled Fuel Engine

Engine Idle Speed:
2800-3400rpm

Working Speed:
6500-8500rpm

Gearbox Reduction Ratio:
About 46:1

Engine Power:
1.25kw

Displacement:
52cc

Tank Capacity:
1L/0.26gal

Starting Method:
Hand Pull Start

Image 8.1: Key technical parameters of the sweeper.

Parameter	Value
Engine Type	2-stroke Air-cooled Fuel Engine
Engine Power	1.25 kW (2.3 HP)
Displacement	52cc
Engine Idle Speed	2800-3400 rpm
Working Speed	6500-8500 rpm
Tank Capacity	1L / 0.26 gal
Starting Method	Hand Pull Start
Gearbox Reduction Ratio	Approx. 46:1
Product Dimensions	60.45 x 60.45 x 188.98 cm (23.8 x 23.8 x 74.4 inches)

Parameter	Value
Item Weight	10 kg (22.04 lbs)
Material	Polypropylene, Aluminum, Nylon
Power Source	Gasoline-Powered

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact Kaichenyt customer service. Keep your purchase receipt as proof of purchase.

- **Customer Service:** Refer to your purchase documentation or the seller's website for contact details.
- **Product Registration:** Registering your product may provide additional benefits and support.