

VEVOR Wood Chipper 212cc

VEVOR 7HP 212cc Wood Chipper Shredder Mulcher

INSTRUCTION MANUAL

Model: Wood Chipper 212cc | Brand: VEVOR

1. Product Overview

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your VEVOR 7HP 212cc Wood Chipper Shredder Mulcher. Please read this manual thoroughly before operating the machine.

The VEVOR Wood Chipper Shredder Mulcher is a versatile 3-in-1 machine designed for processing various types of yard waste. It features:

- **Chipping Function:** Handles wood branches up to 2 inches in diameter through the side chute.
- **Shredding Function:** Processes small twigs and leaves up to 1x2 inches through the top chute.
- **Mulching Function:** Connects to a leaf vacuum (accessory not included) for efficient mulching of debris.
- **Powerful Engine:** Equipped with a 7HP 212cc 4-stroke engine operating at 3600 RPM.
- **Efficient Cutting:** Features a robust flywheel design with two chipping blades and four shredder hammers for a 15:1 reduction ratio.
- **Portability:** Lightweight design with 12-inch polyurethane wheels and an ergonomic handle for easy transport.
- **User-Friendly Design:** Includes an inspection window for blade maintenance and debris removal.

VEVOR
TOUGH TOOLS, HALF PRICE

3-IN-1 GAS WOOD CHIPPER SHREDDER

Meets all your needs

Chipping

For Branches, Max Cutting Dia. 2"

Shredding

For Small Twigs and Leaves, Max Size 1"×2"

Vacuum

Collecting Debris and Leaves

Image 1.1: Overview of the VEVOR 3-in-1 Wood Chipper Shredder Mulcher, highlighting its chipping, shredding, and vacuum capabilities.

2. Safety Instructions

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

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and sturdy footwear. Avoid loose clothing that could get caught in moving parts.
- **Work Area:** Operate the chipper on a level, stable surface. Keep children, pets, and bystanders at a safe distance (at least 50 feet/15 meters). Clear the work area of any obstacles or debris.
- **Fuel Handling:** Refuel in a well-ventilated area with the engine off and cool. Do not smoke or use open flames near fuel. Use 87+ octane unleaded gasoline (ethanol-free recommended).
- **Material Feeding:** Never place hands or feet into the feed chutes or discharge opening. Use a push stick for smaller materials if necessary. Feed materials slowly and steadily.
- **Engine Operation:** Do not operate the engine in an enclosed area. Ensure proper ventilation to prevent carbon monoxide poisoning.
- **Maintenance Safety:** Disconnect the spark plug wire before performing any maintenance or clearing jams. Allow the engine to cool before touching hot surfaces.

EASY MAINTENANCE

Vacuum suction and
debris removal



Image 2.1: The inspection window and warning labels on the chipper, emphasizing the importance of safety during operation and maintenance.

3. Setup and Assembly

Follow these steps to prepare your wood chipper for first use:

1. **Unpacking:** Carefully remove all components from the packaging. Check for any damage or missing parts.
2. **Wheel Assembly:** Attach the 12-inch polyurethane wheels to the axle using the provided hardware. Ensure they are securely fastened for stability and portability.
3. **Handle Attachment:** Secure the ergonomic handle to the main frame of the chipper. This handle aids in moving the unit.
4. **Stand Installation:** Attach the support stand to the front of the chipper to provide stability during operation.
5. **Engine Oil:** The engine is shipped without oil. Fill the engine with 0.13 gallons (0.5 liters) of appropriate 4-stroke engine oil (not included). Refer to the engine manual for specific oil type and capacity.
6. **Fuel:** Fill the fuel tank with 0.72 gallons (2.75 liters) of 87+ octane unleaded gasoline. Do not overfill.
7. **Pre-Operation Check:** Before starting, ensure all bolts are tightened, and no loose parts are

present. Verify that the collection bag (if using) is properly attached.



Item Model Number: **GCS100**
Displacement: **212CC**
RPM: **3600**
Tire Size: **Ø12 inch**
Main Material: **Q235 Steel**
Hopper Size:
17.3 × 16.3 × 14.7 in / 44 × 41.5 × 37.5 cm

Engine Type: **Single-Cylinder 4-Stroke**
Power: **4.1kW (7HP)**
Max Cutting Diameter: **φ2inch / 5.08cm**
Blade Type: **Flywheel 4+2**
Product Weight: **130.07 lbs / 59 kg**
Product Dimensions:
28.7 × 25.2 × 36.6 in / 73 × 64 × 93 cm

Image 3.1: Labeled diagram of the VEVOR Wood Chipper, showing key components for assembly and identification.

4. Operating Instructions

Follow these steps for safe and effective operation of your wood chipper:

1. Starting the Engine:

- Ensure the fuel valve is open and the engine switch is in the "ON" position.
- Apply choke if the engine is cold.
- Pull the recoil starter handle firmly until the engine starts.
- Once started, gradually push the choke to the "OFF" position.

2. Feeding Material (Chipping):

- Use the side chute for branches up to 2 inches in diameter.
- Feed branches butt-end first, allowing the machine to pull them in. Do not force material.
- Avoid feeding wet wood, vines, pine cones, palm branches, or petrified wood to prevent clogging.

3. Feeding Material (Shredding/Mulching):

- Use the top hopper for smaller twigs, leaves, and garden debris up to 1x2 inches.
- Feed material gradually to prevent overloading.
- If using the leaf vacuum attachment (sold separately), ensure it is securely connected to the vacuum port.

4. Stopping the Engine:

- Reduce engine speed to idle.
- Turn the engine switch to the "OFF" position.
- Close the fuel valve for storage.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your chipper. Always disconnect the spark plug wire before performing maintenance.

- **Blade Inspection and Sharpening:** Regularly inspect the chipping blades and shredder hammers for sharpness and damage. Access the blades through the inspection window or by removing the appropriate cover plates (refer to the engine manual for specific instructions). Sharpen or replace blades as needed.
- **Engine Oil Check:** Check the engine oil level before each use. Add oil if necessary. Change the engine oil after the first 5 hours of operation, then every 50 hours or annually.
- **Air Filter:** Clean the air filter every 25 hours or more frequently in dusty conditions. Replace if damaged.
- **Spark Plug:** Inspect the spark plug annually or every 100 hours. Clean or replace as needed.
- **General Cleaning:** Keep the machine clean and free of debris. Remove any accumulated wood chips from around the engine and cutting mechanism.
- **Storage:** For long-term storage, drain the fuel tank or use a fuel stabilizer. Store the chipper in a dry, protected area.

EXCELLENT CUTTING PERFORMANCE

Flywheel blades for quick and smooth cutting



Compression Ratio
15:1



Robust Flywheel Design

Smooth & Stable Cutting



2 Chipping Blades

Cut Large Wood with Ease



4 Y Shredder Hammers

Transform Leaves into Fine Shreds



Image 5.1: Detailed view of the chipper's cutting mechanism, showing the flywheel, chipping blades, and shredder hammers, which require regular inspection.

6. Troubleshooting

Refer to this section for common issues and their solutions:

Problem	Possible Cause	Solution
Engine will not start	No fuel, old fuel, spark plug issue, choke not set, engine switch off.	Check fuel level, use fresh fuel, inspect/replace spark plug, adjust choke, turn engine switch to ON.
Loss of power during operation	Overloading, dull blades, low oil level, clogged air filter.	Reduce material feed, sharpen/replace blades, check/add oil, clean air filter.
Material not chipping/shredding effectively	Dull blades/hammers, incorrect material size, engine speed too low.	Sharpen/replace blades/hammers, ensure material is within specified diameter, increase engine RPM.
Excessive vibration	Unbalanced blades, loose components, damaged engine.	Inspect blades for damage/balance, tighten all fasteners, consult service if engine damage is suspected.

7. Specifications

Key technical specifications for the VEVOR 7HP 212cc Wood Chipper Shredder Mulcher:

- **Item Model Number:** GCS100
- **Engine Type:** Single-Cylinder 4-Stroke
- **Displacement:** 212cc
- **Power:** 4.1kW (7HP)
- **RPM:** 3600
- **Max Cutting Diameter:** 2 inches (5.08cm)
- **Blade Type:** Flywheel 4+2 (2 chipping blades, 4 shredder hammers)
- **Main Material:** Q235 Steel
- **Fuel Tank Capacity:** 0.72 gallons (2.75 liters)
- **Oil Capacity:** 0.13 gallons (0.5 liters)
- **Product Weight:** 130.07 lbs (59 kg)
- **Product Dimensions (L x W x H):** 28.7 x 25.2 x 36.6 inches (73 x 64 x 93 cm)
- **Tire Size:** 12 inch



8. Warranty and Support

For warranty information, product registration, or technical support, please refer to the official VEVOR website or contact VEVOR customer service directly. Keep your purchase receipt and product model number handy for faster service.

Contact Information:

- **Manufacturer:** VEVOR
- **Website:** www.vevor.com (Please visit the official website for the most up-to-date support information.)