

Steelite AZDG380

Steelite AZDG380 15-Amp Electric Wood Chipper

INSTRUCTION MANUAL

1. Introduction and Product Overview

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your Steelite AZDG380 15-Amp Electric Wood Chipper. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

The Steelite AZDG380 is designed for chipping and shredding branches and twigs up to 1.8 inches in diameter, converting yard waste into nutrient-rich mulch with a 15:1 reduction ratio. It features a powerful 15-Amp motor, dual SK5 steel blades, and a 45L collection bag for efficient yard cleanup.

2. Important Safety Instructions

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

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and sturdy footwear.
- Keep hands, feet, and clothing away from all moving parts, especially the feeding chute and discharge opening.
- Ensure the work area is clear of bystanders, children, and pets.
- Operate the chipper on a firm, level surface.
- Do not feed foreign objects such as metal, rocks, or plastic into the chipper.
- Never attempt to clear a jammed chute or perform maintenance while the machine is running or connected to power. Disconnect power before any service.
- Avoid operating the chipper in wet conditions or on wet ground.
- The machine is equipped with an overload protection system. If the motor stops due to overload, disconnect power, clear the jam, and allow the motor to cool before restarting.

- Use only extension cords rated for outdoor use and appropriate for the amperage of the chipper.

3. Package Contents

Verify that all components are present before assembly. If any parts are missing or damaged, contact Steelite customer support.

- Main Chipper Unit
- Collection Bag (45L)
- Wheel Assembly (2 wheels, axle, hardware)
- Feeding Paddle
- Cable Clip
- Instruction Manual

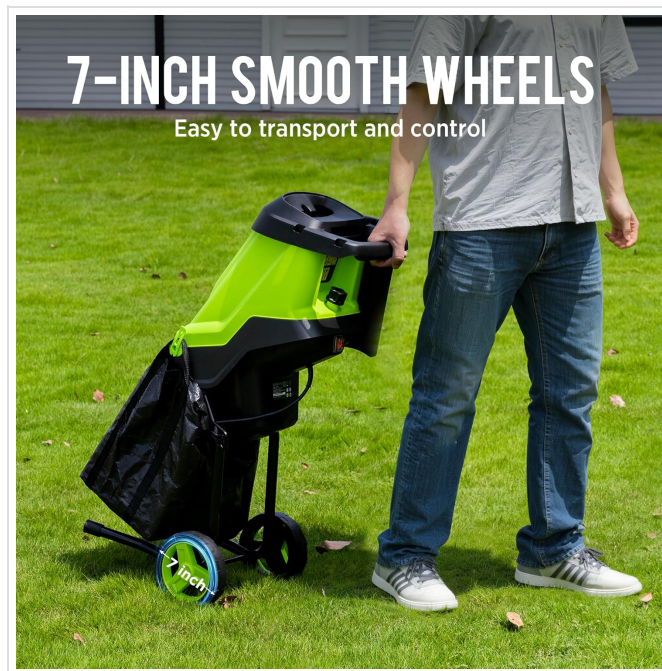


Figure 3.1: Included components of the Steelite AZDG380 wood chipper.

4. Assembly Instructions

Follow these steps to assemble your wood chipper:

1. **Attach the Wheel Assembly:** Securely fasten the two 7-inch wheels to the chipper's frame using the provided axle and hardware. Ensure wheels rotate freely.
2. **Install the Collection Bag:** Hook the 45L collection bag onto the designated hooks beneath the chipper's discharge opening. Ensure it is securely attached to prevent debris from scattering.
3. **Connect Power Cord:** Use the cable clip to manage the power cord, keeping it away from moving parts and the feeding area.



Figure 4.1: The chipper features 7-inch smooth wheels for easy mobility.



Figure 4.2: Securely attach the collection bag to the designated hooks.

5. Operating Instructions

Before starting, ensure all safety precautions are observed and the collection bag is properly attached.

1. **Power Connection:** Plug the chipper into a suitable outdoor-rated electrical outlet.
2. **Starting the Chipper:** Turn the power switch to the "ON" position. The motor will start immediately.
3. **Feeding Material:**
 - For branches up to 1.8 inches in diameter, use the main feeding chute.
 - For smaller twigs and soft debris, use the secondary feeding chute.

Feed material slowly and steadily. Do not force material into the chute. Use the feeding paddle to push material if necessary, but never your hands or feet.

4. **Monitoring Operation:** Listen for changes in motor sound. If the motor strains, reduce the feeding rate or the size of the material.
5. **Stopping the Chipper:** Turn the power switch to the "OFF" position. Wait for all moving parts to come to a complete stop before approaching the machine.
6. **Emptying the Collection Bag:** Disconnect power before removing and emptying the 45L collection bag.



Figure 5.1: The main feeding chute accommodates branches up to 1.8 inches in diameter.

STEELITE VS OTHERS

4000RPM	Motor Speed	3700RPM
15:1	Reduction Rate	8:1
45L	Main Capacity	40L
15AMP	Motor Power	13AMP
19LBS	Weight	26LBS

Figure 5.2: Utilize the double feeding holes for different material sizes.



Figure 5.3: The chipper achieves a 15:1 reduction ratio, converting large volumes of debris into mulch.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your chipper. Always disconnect the power cord before performing any maintenance.

- **Cleaning:** After each use, clean the feeding chutes and discharge area to prevent buildup. Use a brush or compressed air. Do not use water directly on electrical components.
- **Blade Inspection:** Periodically inspect the dual SK5 steel blades for sharpness and damage. Dull or damaged blades can reduce chipping efficiency and strain the motor. Refer to the safety interlock for safe access during blade inspection/replacement.
- **Blade Replacement:** If blades are dull or damaged, they must be replaced. Contact Steelite customer support for genuine replacement parts and detailed instructions.
- **Storage:** Store the chipper in a dry, secure location, away from children and adverse weather conditions.



Figure 6.1: Inspect the dual-edge steel blades regularly for optimal performance.



Figure 6.2: The safety interlock ensures safe access for cleaning and maintenance.

7. Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Chipper does not start	No power, loose connection, safety interlock not engaged.	Check power cord, outlet, and ensure safety interlock is fully engaged.
Motor stops during operation	Overload, jammed material.	Disconnect power, clear any jammed material, allow motor to cool, then restart. Reduce feeding rate.
Poor chipping performance	Dull blades, incorrect material size.	Inspect and replace blades if dull. Ensure material is within specified diameter (max 1.8 inches).
Excessive vibration	Unbalanced blades, loose components.	Disconnect power and inspect blades for damage. Check all fasteners for tightness.

8. Specifications

Feature	Detail
Model Number	AZDG380
Motor	15-Amp Electric
Max Motor Speed	Up to 4000 RPM
Cutting Diameter	Max 1.8 inches (4.5 cm)
Blades	2 x SK5 Dual-Edge Steel Blades
Reduction Ratio	15:1
Collection Bag Capacity	45 Liters
Product Dimensions (L x W x H)	13 x 13 x 29 inches
Wheels	7-inch
Manufacturer	STEELITE



Figure 8.1: The 15-Amp motor provides up to 4000 RPM for efficient chipping.

9. Warranty and Support

The Steelite AZDG380 Electric Wood Chipper comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or to order replacement parts, please contact Steelite customer support. Keep your purchase receipt as proof of purchase.

Steelite Customer Support: Refer to the contact information provided with your product packaging or visit the official Steelite website for support details.
