

Dedra DED8706

Dedra DED8706 Electric Lawn Scarifier/Aerator

Instruction Manual

1. INTRODUCTION AND PRODUCT OVERVIEW

The Dedra DED8706 Electric Lawn Scarifier/Aerator is a versatile garden tool designed for effective lawn care in small to medium-sized gardens. This machine combines two essential functions: scarifying and aerating, to improve the health and appearance of your lawn.

Scarifying involves removing thatch, moss, and dead grass from the lawn surface, allowing water, nutrients, and air to reach the grass roots more effectively. **Aerating** creates small holes in the soil, reducing compaction and further enhancing air and water penetration.

Key features include a powerful 1800W electric motor, a 38 cm working width for efficient coverage, and a 5-level depth adjustment system to suit various lawn conditions.



Figure 1: Dedra DED8706 Electric Lawn Scarifier/Aerator with grass collection bag attached.

2. SAFETY INSTRUCTIONS

Always read and understand this instruction manual before operating the Dedra DED8706. Failure to follow safety guidelines can result in serious injury or damage to the product.

- **Personal Protective Equipment:** Always wear appropriate safety glasses, sturdy footwear, and hearing protection during operation.
- **Power Supply:** Ensure the power supply matches the specifications (230V). Use only outdoor-rated extension cords in good condition.
- **Work Area:** Keep children, pets, and bystanders away from the work area. Clear the lawn of stones, sticks, wires, and other debris before starting.
- **Inspection:** Before each use, inspect the machine for any damage, loose parts, or worn components. Do not operate if damaged.
- **Disconnect Power:** Always disconnect the machine from the power supply before cleaning, maintenance, or when leaving it unattended.
- **Handling:** Do not lift or carry the machine while the motor is running. Avoid operating in wet conditions or rain.

3. COMPONENTS AND ASSEMBLY

The Dedra DED8706 comes with the following components:

- Main unit (motor housing, chassis, wheels)
- Handlebar assembly
- Aerator roller (pre-installed or separate)
- Scarifier roller (if included as an accessory)
- Grass collection basket
- Hex key
- Mounting accessories (screws, knobs for handle)

Assembly Steps:

1. **Handlebar Assembly:** Attach the lower handlebar sections to the main unit using the provided screws and knobs. Ensure they are securely fastened.
2. **Upper Handlebar:** Connect the upper handlebar section to the lower sections, ensuring the control cables are not pinched. Secure with the remaining screws and knobs.
3. **Grass Collection Basket:** Assemble the grass collection basket according to the instructions. Hook the assembled basket onto the rear of the machine.
4. **Roller Installation (if not pre-installed):** If you need to change or install a roller, disconnect the power. Tilt the machine and locate the roller shaft. Use the hex key to loosen the retaining bolts, remove the current roller, and install the desired roller (aerator or scarifier). Secure the retaining bolts firmly.



Figure 2: Assembled Dedra DED8706 unit, ready for operation.



Figure 3: The 45L grass collection bag, designed for easy attachment and removal.

4. OPERATING INSTRUCTIONS

4.1. Before Starting

- Ensure all assembly steps are completed and components are secure.
- Check the power cord for any damage.
- Clear the lawn of any obstacles.

4.2. Depth Adjustment

The Dedra DED8706 features a 5-level working depth adjustment. This allows you to select the appropriate depth for scarifying or aerating based on your lawn's condition and the desired intensity of treatment.

- **Levels:** -12mm, -9mm, -6mm, -3mm, +6mm.
- **Scarifying:** For removing thick thatch and moss, use deeper settings (-12mm to -6mm).
- **Aerating/Light Scarifying:** For general aeration or lighter thatch removal, use shallower settings (-3mm to +6mm). The +6mm setting is typically for transport or very light surface work.

To adjust the depth, use the lever located on the side of the machine. Move the lever to the desired position, ensuring it locks into place.



Figure 4: The depth adjustment lever, allowing selection of five working depths.

4.3. Starting and Stopping

1. Connect the power cord to a suitable outdoor power outlet.
2. To start the machine, press the safety button on the handlebar control unit and then pull the operating lever towards the handle.
3. To stop the machine, release the operating lever. The motor will cease immediately.



Figure 5: Handlebar control unit with safety button (red) and operating lever.

4.4. Working Technique

- Begin working at the shallowest setting and gradually increase depth if needed.
- Push the machine forward at a steady, even pace. Avoid sudden movements or forcing the machine.
- Overlap each pass slightly to ensure complete coverage of the lawn.
- Regularly check and empty the grass collection basket to maintain optimal performance.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Dedra DED8706.

- **Disconnect Power:** Always disconnect the machine from the power supply before performing any maintenance or cleaning.
- **Cleaning:** After each use, clean the machine thoroughly. Remove grass clippings, soil, and debris from the housing, rollers, and wheels. Use a brush or damp cloth; do not use high-pressure water or solvents.

- **Roller Inspection:** Regularly inspect the scarifier blades and aerator tines for wear or damage. Replace worn rollers to maintain effective performance.
- **Cable Inspection:** Check the power cord and control cables for any signs of damage, cuts, or fraying. Replace immediately if damaged.
- **Storage:** Store the machine in a dry, well-ventilated area, away from direct sunlight and extreme temperatures. Ensure it is clean and dry before storage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Dedra DED8706.

Problem	Possible Cause	Solution
Machine does not start	No power supply Safety switch not engaged Damaged power cord	Check power connection and outlet Ensure safety button is pressed and lever pulled Inspect and replace damaged cord
Poor scarifying/aerating performance	Incorrect depth setting Worn rollers Collection bag full	Adjust to a deeper setting Inspect and replace rollers Empty collection bag
Excessive vibration or noise	Damaged or unbalanced roller Loose components Debris caught in roller	Disconnect power, inspect and replace roller Check all fasteners and tighten Disconnect power, clear any obstructions
Motor overheats	Overloading the machine Blocked ventilation slots	Reduce working depth or speed Disconnect power, clean ventilation slots

7. SPECIFICATIONS

Technical data for the Dedra DED8706 Electric Lawn Scarifier/Aerator:

Feature	Specification
Model Number	DED8706
Power Source	Electric, Corded
Voltage	230 Volts
Wattage	1800 Watts
Rotation Speed	3500 RPM
Working Width	38 cm
Depth Adjustment	5 levels (-12/-9/-6/-3/+6 mm)
Grass Collection Bag Capacity	45 Liters
Weight	14.5 kg

Feature	Specification
Product Dimensions (L x W x H)	60 x 45 x 35 cm
Included Components	Aerator roller, Hex key, Grass collection basket, Mounting accessories

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

For technical support, spare parts, or service inquiries, please contact Dedra customer service or an authorized service center. Contact details can typically be found on the manufacturer's website or in your product packaging.