

2500 Electric Blower Vac



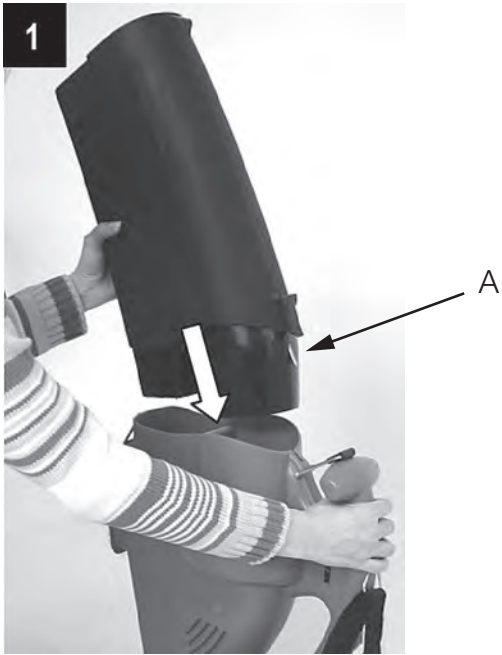
Owner's Manual

Important

Please read this Owner's Manual and the Express Warranty before using this product. The Warranty does not cover damage due to misuse or failure to follow the operating and installation instructions.

Keep the instructions in a safe place for future use.

Assembly



1. Insert rear suction pipe onto the machine.



2. Fasten first safety clip on rear suction pipe.



3. Fasten second safety clip on rear suction pipe.



NOTE!
Rod (A) inserted into the rear suction pipe is pushed into position by finger (B) during assembly.

Once in position this activates a safety switch to "Ready Mode" and the unit will start when required.



Unit will not work unless both pipes are assembled correctly.



4. Insert front suction pipe into rear suction pipe.



5. Support front suction pipe on the ground and press rear suction pipe into front section.



6. Hook bag onto machine.



7. Fasten bag frame holder.

Machine must be fully assembled to operate








Do not operate this machine before it has been assembled correctly and you have read and understood these instructions.

Keep the instructions in a safe place for future use.

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Symbols on the Machine

 <p>Carefully read owner's manual before handling the machine. Observe instructions and safety rules when operating.</p>	 <p>Shut off engine and remove power cord before performing cleaning, maintenance or repair work.</p>
 <p>Danger – objects may be thrown out at high speed when motor is running. Keep people, pets and domestic animals out of the danger</p>	 <p>Wear eye and ear protection.</p>  <p>Protect against moisture.</p>

Symbols in this Owner's Manual



Threatened hazard or hazardous situation.
Not observing this instruction can lead to serious injuries, death and or cause damage to property.



Important information on proper handling.
Not observing this instruction can lead to faults in the machine.



User information. This information helps you to use all the functions correctly.

Delivery Check



After unpacking check the contents of the box. You should have...

- 1 pre-assembled Blower/Vac unit.
- 1 rear suction pipe.
- 1 front suction pipe.
- 1 collection bag.

If any items are missing or damaged, report this to your supplier immediately.

Operating Times

If your district has restrictions on the use of noisy equipment, please observe these at all times.

Proper Use



Do not use the machine to vacuum or blow any burning, explosive or smoking items such as cigarettes, matches or hot ash.
Failing to observe this warning could cause a fire.



Do not vacuum or blow any liquids, in particular flammable liquids. Do not use the machine in the vicinity of such substances.
Failing to observe this warning could cause a fire or an electrical fault inside the unit.

- The garden vac/blower/shredder is only suitable for light, dry materials, such as leaves and garden waste such as grass, small twigs and pieces of paper.
- The vacuuming, blowing and shredding of heavy materials, such as metal, stones, branches, fir cones or broken glass is explicitly forbidden.
- Never use the machine in areas with harmful dust and liquids or as a wet vacuuming machine, due to the risk of physical injury to yourself or others.
- Any other use than for vacuuming, blowing and shredding is not allowed.
- The garden vac/blower/shredder is only designed for private use in accordance with its proper purpose.
- This machine is not intended for, and should not be used for commercial purposes.

Safety warning



Even though this machine has been designed to be safe in use, it is essential to follow the Safe Working instructions carefully to avoid accidents to persons or property. Particular hazards are the use of incorrect electrical connections or touching exposed electrical components.

Safe Working



Read and keep to the following advice in order to protect yourself and others from possible injury.



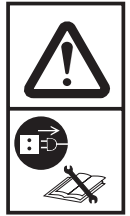
- Pass the safety instructions on to all persons who work with the machine.



- Keep these safety instructions in a safe place.

- Make yourself familiar with the equipment before using it, by reading and understanding the operating instructions.
- Do not use the machine for unsuitable purposes (see "Working with the vacuum cleaner").
- Ensure that you have a secure standing position and maintain your balance at all times.
- Pay attention at all times. Take care with what you are doing, and approach the work sensibly. Do not use the machine:
 - when you are tired.
 - under the influence of drugs, alcohol or medications that may impair your powers of judgement.
- When working with the machine, always wear...
 - protective goggles or face mask
 - safety gloves
 - hearing protection
 - slip-proof shoes
 - long trousers
- Wear suitable work clothing:
 - do not wear any loose-fitting clothing or jewellery, since these may be caught or trapped by moving parts.
- Children less than 16 years of age and people who have not read the operating manual must not operate the machine.
- Keep children away from the machine.
- Never operate the machine if other persons are in the immediate vicinity.
- The user is responsible for accidents to other people or their property.
- Do not overload the machine! You work better and safer in the given performance range.
- Only operate the machine when it is fully assembled and do not alter anything on the machine that could impair safety.
- Faulty or damaged parts must be replaced immediately.
- Do not spray machine with water (this is hazardous due to live components).
- Do not leave the machine standing in the rain or use when raining.
- Store the unused machine in a dry locked place away from the reach of children.
- Switch the machine off and remove the mains plug from the socket when...
 - removing blockages.
 - carrying out servicing, repairs, or fault finding.
 - checking the leads to see whether these are caught up or damaged.
 - changing over from vacuuming to blowing
 - transporting.
 - leaving unattended. (even during short interruptions)

- Check the machine for possible damage if unusual noises and vibrations are noticed.
 - Before continuing to use the machine, the protective devices must be inspected to ensure that they work perfectly and with their intended function.
 - Check whether the parts are damaged. All parts must be correctly installed and fulfil all conditions to ensure perfect operation.
 - Damaged guards and parts must be properly repaired or exchanged by a recognized, specialist workshop.
 - Damaged or illegible safety warning labels should be replaced immediately.



Electrical safety

- To avoid the risk of electric shock from the power cable, we strongly advise that the cable be plugged into a socket which has RCD protection.
- Long power cables will cause a drop in voltage, impairing the performance of the machine.
- Cables up to 25m long can have 1.5mm² conductors, while cables longer than 25m must have 2.5mm² conductors.
- Ensure that the plug pins on the cable and the machine are not bent, and that the weight of the cable will not pull the socket apart.
- Do not separate the plug and socket by pulling on the cables.
- Check the condition of the power cable regularly for insulation damage, replacing if necessary.
- Do not bypass the safety switch on the cleaning flap retaining screw.

Start-up

- Check that the machine is completely and correctly assembled.
- Before using the shredder, make sure each time that...
 - the power supply cable is not damaged, no tears, cuts, etc.
 - the machine is not damaged.
 - all screws are tight.
 - the cleaning flap is closed and it's retaining screw is fully tightened.



Mains connection

- Compare the voltage given on the machine model plate e.g. 230 V with the mains voltage and connect the machine to the relevant and properly earthed plug.
- Only use connection cables with sufficient diameters.
- Do not use any defective connection cables.
- Connect the machine via a 30 mA fault current safety switch.



Fuse protection: 10 A

Working with the vacuum cleaner

Additional SAFETY INSTRUCTIONS

- The machine may only be operated by persons over the age of 16 years who have read and understood these operating instructions.
- Wear your safety gear (goggles/visor, gloves) for protection from possible injuries.
- Never aim the suction/blowing pipe at people or animals.
- Never blow objects in the direction of people or animals.
- Spectators must observe safety clearance of min. 5 m.
- **Beware of swirling and flying objects.** Be particularly aware of recoiling effects from brickwork or house walls.
- **Before starting work, check the working area, and while working, beware of foreign bodies (e.g. stones).**
- Do not operate the machine with wet hands or during damp weather.
- Keep out of the way of the rotating impeller.
- Always ensure that the power cable runs back away from the machine. Otherwise there is a risk of stumbling, slipping or falling.
- Fasten the power cable at the back of the machine.



- Never use the machine
 - without the bag.
 - without closing the zip fastener of the bag.


What can I vacuum and blow?

YES

Light, dry materials, e.g. dry leaves and garden waste such as grass, small twigs and pieces of paper.

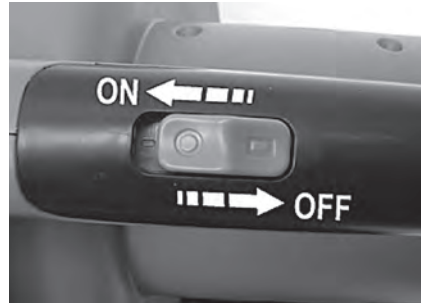
NO


Heavy materials such as metal, stones, branches, fir cones or broken glass.

-  Blow leaves to a clean area first then vacuum them into the bag. Using the vacuum where the area is over grit or of an abrasive nature will lead to premature failure of the bag fabric.

Operation

Switching On/Off




-  Before using the machine, ensure that the bag has been fitted, is not damaged or worn and the zip fastener has been closed.

Instructions for using as vac/shredder

1. Move the changeover switch to the vac/shredding setting.
2. Hold the machine firmly at the handle and place the belt over your shoulder. Adjust the belt so that the machine can be carried comfortably and safely.
3. Switch the machine on.
4. Move the suction pipe slowly and evenly over the material. Do not press it into the leaves.
5. The suction power decreases when the bag is full. Switch the machine off and disconnect from the mains. Open the zip fastener and empty the bag.
6. After finishing work, move the changeover switch to the blowing setting to remove any remains from the suction/blowing pipe.



-  **Take up leaves promptly!** – It is advisable to take up fallen leaves when the weather is dry and as soon as they have fallen. Wet leaves and leaves that have already begun to rot or are on big piles are a problem.

Instructions for use as blower

1. Move the changeover switch to the blowing setting.
2. Hold the machine firmly at the handle and place the belt over your shoulder. Adjust the belt so that the machine can be carried comfortably and safely.
3. Switch the machine on.
4. Move the suction/blowing pipe in generous swaying movements uniformly a few centimetres over the ground, moving from one side to the other.



Speed control switch

The blow/vac has an adjustable motor speed and therefore adjustable vacuuming and blowing. The speed is fully variable from 3400 rpm to 14000 rpm.



Care and Maintenance



Repairs to electrical parts of the machine must be carried out by a qualified electrician. Local regulations – especially regarding protective measures – must be observed.

Repairs to other parts of the machine must be carried out by a service dealer.

Use only original spare parts. Accidents can arise through the use of other spare parts. The manufacturer is not liable for any damage or injury resulting from such action.

Remove the plug from the power socket before starting any maintenance or cleaning work.

Failure to follow this instruction could result in personal injury or death.

Keep the garden vac **in a dry place** out of reach of children.

If any faults occur, please contact your supplier.

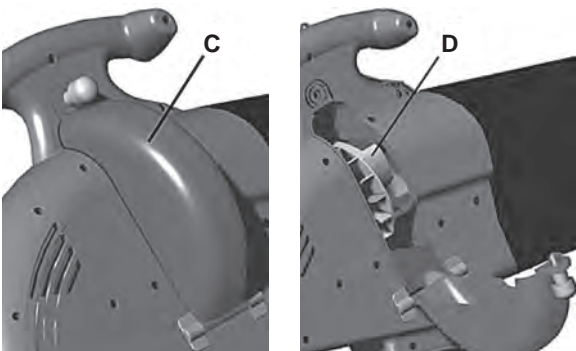
The following procedure will keep your machine in good working order.

Cleaning the machine

Clean the machine thoroughly after you have finished work.

1. Keep the slots free of dust. Clean the slots with a small brush.
2. Clean the suction/blowing pipe with a commercially available bottle brush.
3. Open the cleaning flap C to clean the shredder turbine D.

Never move the blow/vac changeover switch while the cleaning flap is open.



4. Wipe the machine with a soft, clean cloth. Use mild soap suds.

Do not clean the machine

- under running water.
- with a power cleaner.
- with aggressive cleaning agents containing acid, chlorine, fuel or spirits.

The garden vac only works when the cleaning flap (c) has been closed (safety cutout).

Cleaning the bag

Empty the bag every time after it has been used.

1. Shake the bag thoroughly.
2. Turn it inside out and brush the bag out thoroughly.
3. Wash the bag when extremely soiled or at least once a year, by hand in mild soap suds.

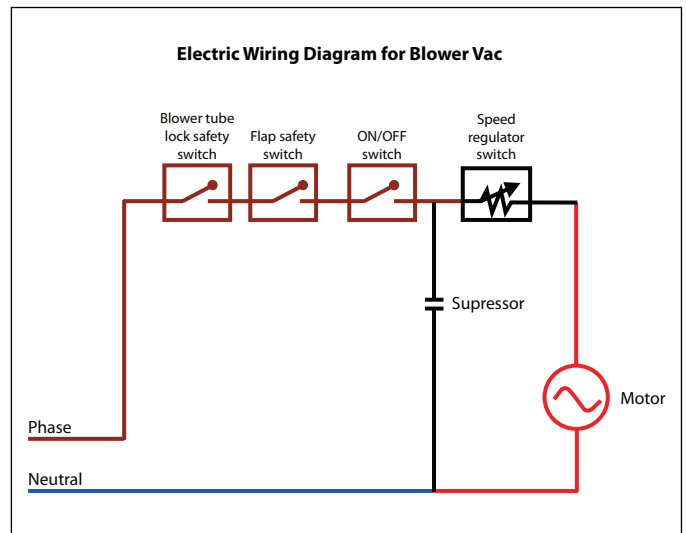
If the zip fastener is stiff, rub dry soap into the zip.

For your own safety, regularly check the bag for any signs of damage. Always replace a damaged bag immediately.

Technical data

Model 2500

Motor power P ₁	2400 W
Motor	AC-motor 230 V ~ 50 Hz
Speed n without speed control	14000 min ⁻¹
Speed n with speed control	3400 – 14000 min ⁻¹
Blowing air flow (max. air velocity)	270 km/h
Suction power (max. air flow)	780 m ³ /h
Hand arm vibration (as per EN 1033/DIN 45675)	avhw = < 2,5 m/s ²
Bag (volume)	45 litre
Weight	5.4 kg
Sound power level LWA (as per 2000/14/EG)	
measured sound pressure level	102 dB (A)
guaranteed sound pressure level	103 dB (A)
Sound pressure level LPA (as per 2000/14/EG)	90 dB (A)



Possible problems

Problem	Possible Cause	Remedy
The motor won't operate	<ul style="list-style-type: none"> • No mains power (power failure) • Connection lead defect • Cleaning flap (c) not closed (safety cutout triggered) • Motor or switch defect • Remove front suction/blow pipe and check "finger" (B) is correctly assembled (the two halves are together). • Check front and rear suction pipes are assembled correctly and both pipes are fully together, refer to page 2. • Front suction pipe has been removed. • Extension lead faulty. • Power supply off. 	<ul style="list-style-type: none"> • Check fuse (10 A) • Replace the cable or have it or have checked by an electrician Never use defect cable • Close cleaning flap (c). Fastening Knob should be finger tight. • To solve the problem, contact the manufacturer or an authorised company • Refit finger halves if apart, re-assemble front suction pipe. • Assemble correctly • Assemble correctly • Check plug connections, replace lead. • Use another power source.
Material is not sucked in properly (reduced vacuuming power)	<ul style="list-style-type: none"> • Machine is clogged or blocked • Bag too full • Speed setting too low (only for garden vacs with fully variable speed control) • Extension cable too long, or crosssection too small. Socket too far away from main connection, and crosssection of connection lead too small. 	<ul style="list-style-type: none"> • Clean inside of machine • Empty bag • Adjust to higher speed • Extension cable at least 1.5 mm² , maximum 25 m long. Cross- section of at least 2.5 mm² in longer cables. See page 4.

