

Portable Electric Soil Sieve



Manual

⚠ ATTENTION: Read carefully and understand all ASSEMBLY AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety

8825903

READ & SAVE THESE INSTRUCTIONS

Table of Contents

Safety Notes	2
Symbol Explanation	3
Before first Use	4
Intended Use	4
Assembly	5
Hints for Using	6
Maintenance	7
Replacing the Drive Belt.....	7
Cleaning and Storing.....	7
Technical Data	9
Overview	10

Safety Notes

Please note the included General Safety Notes and the following safety notes to avoid malfunctions, damage or physical injury:

- Make sure the voltage corresponds to the type label on the unit.
- Never leave the rotary sieve unsupervised when in use. Keep out of reach of children or persons in need of supervision.
- Persons with limited physical, sensorial or mental abilities or lack of know-how and/or lack of knowledge are not allowed to use the unit, unless they are supervised and briefed for their safety by a qualified person.
- The rotary sieve is designed exclusively for sifting compost, soil and clumped sand. Do not use the rotary sieve for purposes for which it is not intended.
- The rotary sieve is designed for operation under ambient temperatures between +5° C and +40° C. The surrounding humidity should be less than 50 % at a temperature of +40° C. The rotary sieve can be transported and stored under ambient temperatures between - 25° C and +55° C.
- Do not wear any loose clothing or jewelry. These can get caught up in moving parts. Non-slip footwear is recommended if working out of doors. Wear a hair net if you have long hair.
- Do not grasp into the moving drum or other moving machine parts.
- Make sure all parts are securely mounted before switching on machine.
- Never try to stop moving parts by hand.
- Check all movable parts to ensure that they are still functioning perfectly and in compliance with specifications. The rotary sieve must be connected properly and fulfill all requirements in order to ensure perfect operation of the machine. Make sure that the machine stands stable on firm ground.
- Only use original spare parts from Princess Auto.
- Please switch off the unit and unplug from the power supply before cleaning, maintaining or when not in use.
- When filling soil into the drum keep the shovel or garden fork clear of the drum and make sure the shovel or garden fork cannot become jammed. There is risk of injury.
- Switch off the rotary sieve during rest brakes.
- Do not operate the machine if it does not work correctly or has been damaged.
- Do not operate the rotary sieve on inclined surfaces. Always take care the machine is standing as horizontally as possible.
- In case of operating the machine on slippery surfaces, please support the wheels with wedges.
- Do not disassemble the machine and do not try to repair it yourself. Contact your customer support.
- The unit is intended for use up to 1000m above sea level.

Symbol Explanation

Always keep all labels on the rotary sieve clean and readable.

- Read the instruction manual before using the unit for the first time.



- Wear safety goggles when working to protect the eyes from flying stones, etc.



- Wear hearing protection when working.



- Always pull the power plug before cleaning, maintaining or when not in use



- Do not expose the unit to any jets of water such as garden hoses, high-pressure cleaners, etc. The unit is splash-water-proof (IP44).



- Caution! There is risk of being trapped. While working with the rotary sieve never touch any moving parts of the device.



Before first Use

Unpack the rotary sieve and check all parts for damage in transit. Dispose off packaging material and store it out of reach of children. Plastic bags may become a deadly toy for small children.



Intended Use

Only use the rotary sieve for the intended use. The rotary sieve can be used to sift compost, garden soil or clumped sand, or to mix different soil types. Please also note the below mentioned hints in order to sift the material as thoroughly as possible

Assembly

1. Attach the handles to the rotary sieve. Disengage the drum by releasing the safety chain (10).
2. Set the rotary sieve upright by holding on the handles and pushing your foot against the bottom bar.
3. Hook the drogue (13) from both sides on the provided hooks (12).



4. Fold down the bracket for the collection bag (5). Wrap the hook and loop fasteners around the bracket. The rotary sieve is now assembled.
5. Connect the extension cord with power mains and the power plug. The rotary sieve is now ready for use.

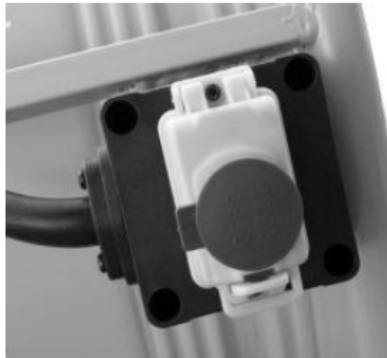
When using extension cables, make sure that plug and coupling are splash-proof.

Only use extension cables with a minimum cross section of 16 AWG that are approved for outdoor operation.



6. Make sure the rotary sieve stands as horizontally as possible.
With the bolt (11) you can adjust the inclination angle for the drum.
At the beginning adjust the drum as horizontally as possible.

7. For switching on the engine, release the lid of the ON/OFF switch and lift up. Press down the ON switch **I**. Fold down the lid. For switching off the engine, Press down the OFF switch.



Hints for Using

1. Before sifting the soil with the rotary sieve, make sure the soil is lightly wet. Dust-dry or very moist soil is not suitable to be sifted. Break down very clumpy soil prior to throw into the drum.
2. Please note if the drum is tilted too much, too much soil will be thrown out. In this case make sure the rotary sieve stands as evenly as possible and the drum is lying horizontally. If desired, collect the already sifted soil and throw it into the drum again in order to sift it thoroughly.
3. When sifting large amounts of soil it is recommended to place a wheelbarrow under the drogue instead of the collection bag. You can also use the garden dump cart, or the universal wheel barrow. Place it under the bracket for the collection bag in order to collect the sorted out rocky soil, stones, wooden components etc. and to overturn at the desired place.



4. When throwing the soil into the drum, make sure to throw into the outside part of the drum. By doing this, the soil will stay as long as possible in the drum and can be sifted

thoroughly. Make sure the shovel cannot get into the drum and become jammed. There is risk of injury.

Maintenance

1. Always check the condition of the rotary sieve first each time before using. Check the safety devices, switches and mains cable. Check for loose bolts and screws, poor alignment, contacting moving parts, broken parts and any other factors that could affect safe operation.
2. Do not continue to use the machine if there are any signs of damage. In this case, have it repaired by a qualified technician or contact the Princess Auto Service Department.

Replacing the Drive Belt

1. Unscrew the three screws on the cover and remove housing.
2. Loosen the nut at the rear side of the housing by using a suitable open wrench and replace the drive belt with a new one of the same type. A spare part can be ordered from Princess Auto
3. Lubricate the gearwheels with clean machine grease.
4. Reattach the drive belt cover on the housing prior to use the rotary sieve again.



Cleaning and Storing

1. Pull the power plug before cleaning or maintaining the rotary sieve.
2. Clean the rotary sieve with a hand broom. For cleaning the motor housing use a dry cloth.
3. Keep the rotary sieve dry and free from stubborn dirt. Store the rotary sieve in a dry and frost-free location.
4. Transport the rotary sieve as shown in the picture.



Technical Data

Technical Data	
Rated Voltage	110 V
Frequency	60 Hz
Rated Power	360 W
Protection Class	I
Degree of Protection	IP44
Weight approx.	68.2 bls
Dimensions expanded	42-1/10 x 25-1/2 x 52-2/3 inch
Dimensions folded	34 x 25-1/2 x 37 inch
Drum Diameter	14-3/5 inch
Drum Length	30-3/5 inch
Drum Rotation	45 rpm
Mesh Width	7-4/5 inch
Sound Pressure Level	89 dB(A)
Sound Power Level	101 dB(A)

Overview



No.	Part Description
1	Brush Bar
2	ON/OFF Switch
3	Motor
4	Belt Cover
5	Bracket for Collection Bag
6	Soft grip Handle (detachable)
7	Drum
8	Gas Spring

No.	Part Description
9	Wheel
10	Safety Chain
11	Bolt
12	Hooks for Drogue
13	Drogue
14	Collection Bag
15	Stand