



ECKMAN
GARDEN • DIY • OUTDOORS

1200W ELECTRIC 2-IN-1 SCARIFIER & AERATOR MODEL EKESA01

INSTRUCTION MANUAL



Please read these instructions carefully and make sure you understand well before using the machine

[PLS READ AND SAVE THE INSTRUCTION MANUAL FOR FUTURE REFERENCE](#)

Any questions please call Eckman helpline on: 0844 441 3011 or go to www.eckman.co.uk for help

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I. Technical Specifications

Model number	HT6670(EKESA01)
Rated voltage (V)	230-240V~ 50Hz
Rated power (W)	1200
No-load speed (min ⁻¹)	3000
Working width (mm)	320
Working height (mm)	-11,-7,-3,+1,+5
Measured sound power level	96dB(A)
Guaranteed sound power level	101dB(A)
Measured vibration value	4.767m/s ²
Guaranteed vibration value	4.8m/s ²
Net weight (kg)	11.2

II. Explanation of symbols on the product



Environmental Protection: Do not dispose of electrical equipment in the household waste but recycle at an approved recycling center.



Read the instruction manual carefully.



Keep bystanders away.



Beware of sharp tines. Switch off and remove plug from mains before adjusting, cleaning or if the cord is entangled or damaged.



Keep mains supply cord away from the tines.



Wear eye and ear protection.



Your scarifier is double insulated.

III Safety Instructions

1. Training

- Read the instructions carefully. Be familiar with the controls and the proper use of the machine.

2. Preparation for use

- Never allow children to use the machine.
- Never allow people unfamiliar with these instructions to use the machine. Local regulations may restrict the age of the operator.
- Never operate the machine while people, especially children, or pets are nearby
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- This machine is not intended for use by children or other persons without assistance or supervision if their physical, sensory or mental capabilities prevent them from using it safely.
- Children should be supervised to ensure that they do not play with the machine.
- Wear ear protection and safety glasses at all times while operating the machine.

- While operating the machine, always wear substantial footwear and long trousers.
- Do not operate the machine when barefoot or wearing open sandals.
- Thoroughly inspect the area where the machine is to be used and remove all stones, sticks, wires, bones, and other foreign objects.
- Before using, always visually inspect to see that the rotating parts and cutter assembly are not worn or damaged.
- Not to touch the tines before the machine is disconnected from the supply and the tines have come to a complete stop.
- Replace worn or damaged parts in sets to preserve balance.

3. Cable

- Not to use the machine if the cords are damaged or worn.
- Check the supply cord before using the equipment, if the rubber enclosure of the supply cord has broken off or the metal conductor of it exposes to the air, switch off the machine and pull out the plug from socket, do not touch the damaged cord. And then replace the supply cord immediately to avoid the risk of electrical shock.
- If the supply cord is damaged, it must be replaced by the manufacturer, such as its service agent or similarly qualified persons in order to avoid a hazard. And it shall not lighter than H05 RN-F with a minimum diameter of 2x1.0mm²
- Not to connect a damaged cord to the supply or touch a damaged cord before it is disconnected from the supply. A damaged cord can lead to contact with live parts.
- To keep extension cords away from the tines. The tines can cause damage to the cords and lead to contact with live parts.
- to connect the machine only to a supply circuit protected by a residual current device (RCD) with a tripping current no more than 30mA.

4. Use/operation

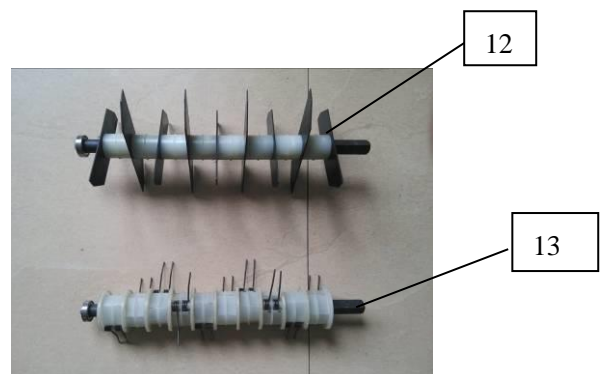
- Operate the machine only in daylight or in good artificial light.
- Avoid operating the machine in wet grass, where not feasible.
- Always be sure of your footing on slopes.
- Walk, never run.
- Always walk across the face of slopes, never up and down.
- Exercise extreme caution when changing direction on slopes.
- Do not operate the machine on steep slopes.
- Use extreme caution when reversing or pulling the machine towards you.
- Stop the rotating parts if the machine has to be tilted for transportation.
- Never operate the machine with defective guards or shields, or without safety devices, for example deflectors and/or grass catchers, in place.
- Switch on the motor according to instructions carefully and with feet well away from rotating parts.
- Do not tilt machine when switching on the motor, except if the machine has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part which is away from the operator. Always ensure that both hands are in the operating position before returning the machine to the guard.

- Do not start the machine when standing in front of the discharge chute.
- Do not put hands or feet near or under rotating parts.
- Keep clear of the discharge opening at all times.
- Switch off the machine and pull the plug from the socket:
 - whenever you leave the machine;
 - before clearing a blockage;
 - before checking, cleaning or working on the machine;
 - after striking a foreign object. inspect the machine for damage and make repairs as necessary;
 - if the machine starts to vibrate abnormally;
 - if the machine becomes blocked.

IV. Part Identification



1. Switch Button
2. Quick Release Lever
3. Grass Collection Bag
4. Lower Handle Securing Screw
5. Wheels



6. Upper Handle

7. Lower Handle

8. Grip of Grass Collection Bag

9. Safety Flap

10. Height Adjustment

11. Base

12. Aerator Attachment

13. Scarifier Attachment

V. Assembly

Unpacking

This product requires assembly.

Carefully remove the product from the box.

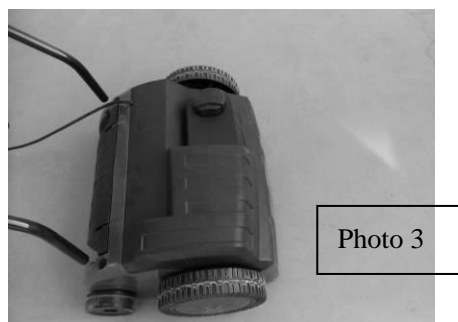
Inspect the product carefully to make sure no breakage or damage occurred during shipping.

Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.

1. Connect the upper handles and lower handle using two nuts and two knobs (photo 1)



2. Insert the whole handle into the hole on the machine, tighten it with two washers and two bolts(see photo 2), make sure the handle fully inserted. (see photo 3)



3. Fit the collection bag to the machine, to attach both sides of support to the rear holes on the machine(see photo 4&5)

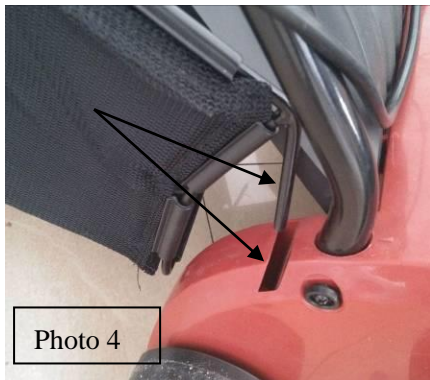


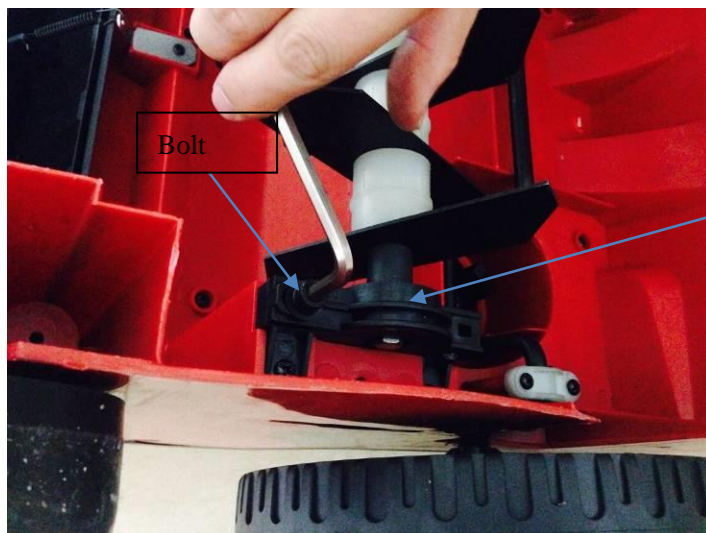
Photo 4



Photo 5

VI. How to assemble/reassemble the aerator and scarifier attachment

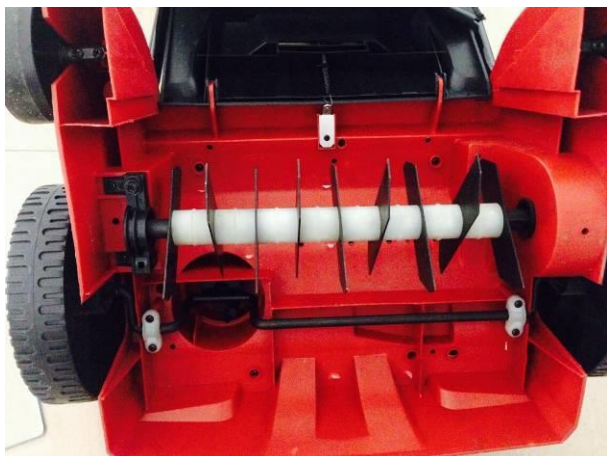
It is very easy to assemble/reassemble the aerator and scarifier attachment to machine. You only need to using the bolt with washers to fit one of attachments to machine. To remove the attachments from machine by unscrewing the support lever.(see Photos as below)

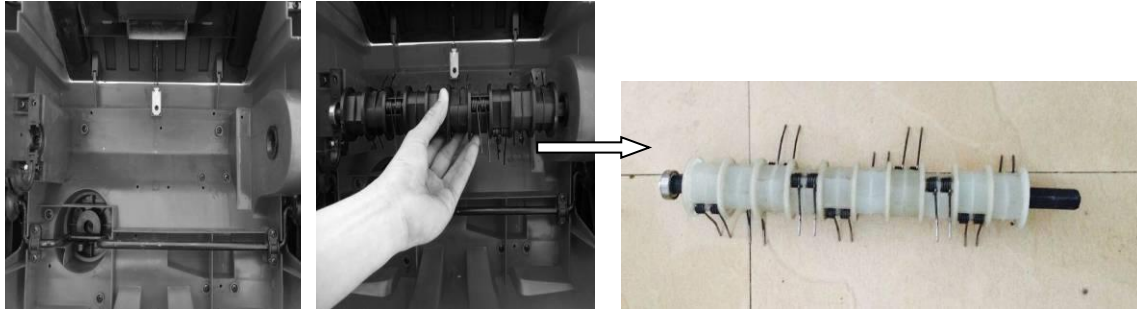


Bolt

Support Lever

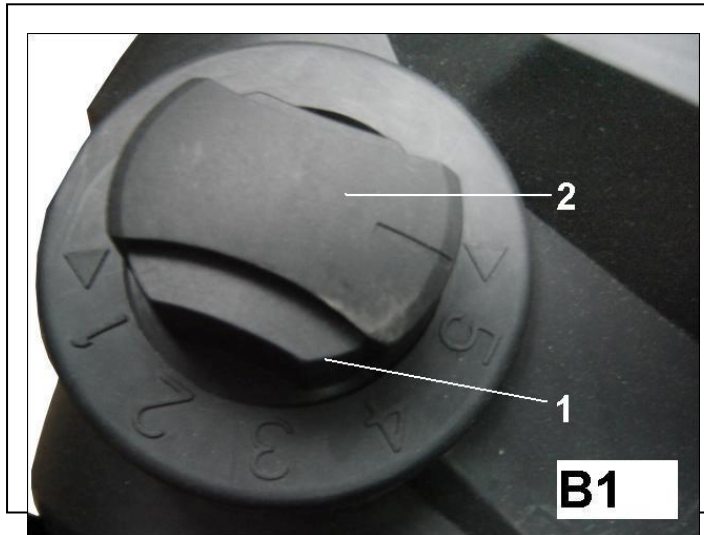
bolt with washers





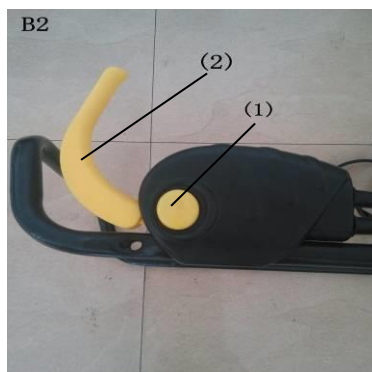
VII. Adjusting the working depth (Photo. B1)

The working depth is adjustable to 5 heights. Press the button(1), keep pressing and turn the knob(2) to the different lever. Choose the lever you want from 1 to 5. The working height from 1 to 5 is +5mm, +1mm, -3mm, -7mm, -11mm.



VIII. Operation

For your safety, this machine is equipped with a double switch system. This system prevents starting the hedge trimmer inadvertently.



Switching on (Photo. B2)

Squeeze the trigger lockout (1) then squeeze the switch lever (2).

Switching off (Photo B2)

Release the switch lever (2)

IX.Maintenance and Servicing

Important! Disconnect from power supply before performing maintenance and cleaning.

- Clean the machine without water after each use.
- Keep all nuts, bolts, and screws tight to be sure the machine is in safe working condition.
- Check the grass catcher frequently for wear or deterioration.
- Replace worn or damaged parts for safety
- Be careful during adjustment of the machine to prevent entrapment of the fingers between moving blades and fixed parts of the machine.
- Do not spray machine with water.
- Store machine in a dry room.

X.Guarantee

This product is guaranteed against faulty workmanship for a period of 12 months from the date of purchase. Your guarantee will be invalidated if the machine is modified in any way, used for purposes outside the parameters of this instruction manual or willfully damaged or abused.

Your statutory rights remain unaffected.

XI. EC Declaration of conformity

Here with we,

Manufacturer: Ningbo Energy Power Tools Co., Ltd

Address: Chengjia Cun Dongqiao Industrial Zone, Yinzhou District, Ningbo 315157 China,

Declare that the machines

Designation: Lawn Raker/Scarifier

Model/Type: HT6670(EKESA01)

Correspond with the applicable EU directives

EN55014-1:2006/A1:2009/A2:2011 (EMC Directive)

Test Report : 708880722210-03 2013-08-14

Verification Issuing Office Name: JIANGSU TUV PRODUCT SERVICE LTD.
SHANGHAI BRANCE

Address: No.88 Heng Tong Road, Shanghai 20070, P.R. China

Additionally confirmed by outdoor noise directive 2000/14/EC:

Measured Sound Power Level: L_{WA}:96dB(A)

The technical documentation is kept by our authorized representative

Ningbo, Zhejiang, China 2014-10-13

Ningbo Energy Power Tools Co., Ltd

