

Operator's manual



**Lawn Edger
City Ranger 2200**

Introduction

Dear Customer

Congratulations with your Egholm product

The City Ranger 2200 is a Danish designed and manufactured product, which offers a very flexible way of maintaining outdoor areas.

Optimal use of your City Ranger 2200 Lawn Edger

To ensure optimal performance of your City Ranger 2200 Lawn Edger, please read this manual carefully before using the machine. Failure to do so can result in personal injury and damage to the machine.

Safety

The Lawn Edger is equipped with various devices to ensure optimal operational safety both for the user and the surroundings. We ask you to pay particular attention to section 1.1. Safety. The machine must only be serviced by professionals.

The Lawn Edger is designed only for use by professionals. On delivery, the user will receive thorough training to become a competent operator.

Do not lend to anyone who has not been thoroughly trained and who has not read this manual carefully.

The operator's manual should be considered a permanent part of the machine and must remain with the machine if sold.

Warnings

Some items in this operator's manual are marked with this warning symbol.

The warning indicates areas where extra care has to be taken to avoid personal injury or damage to the machine and its accessories. The warning also shows what you should pay special attention to.



Reservations

As it is the Egholm policy to make continuous improvements, we reserve the right to alter the specifications and equipment at any time without notice. Egholm A/S accepts no liability for errors or omissions in the operator's manual.

Contact us

Should you have questions of any kind regarding your Egholm product, please do not hesitate to contact Egholm A/S.

Best regards

Egholm A/S · Transportvej 27 · DK-7620 Lemvig

T. +45 97 81 12 05 · F. +45 97 81 12 10

E-mail: info@egholm.dk · www.egholm.eu

General information	5
1.1 Safety	5
1.2 EC Declaration of Conformity	6
1.3 Technical data	7
Operator's manual	9
2.1 Assembly / Disassembly	9
2.2 Before start-up	10
2.3 Start-up	10
2.4 Adjusting	11
2.5 Changing the blade	12
Service and maintenance	14
3.1 Cleaning	14
3.2 Maintenance	14
Conditions	18
4.1 Warranty	18
4.2 Complaints	19
4.3 Disposal	19
Spare parts	21
5.1 Spare parts - City Ranger 2200 Lawn Edger	21
Notes	22

When finishing work on the lawn, the City Ranger 2200 is fitted with the Lawn Edger.

The lawn edges are simultaneously perfectly tilled and cut, at a steady tempo.

The Lawn Edger is fully-hydraulic and the work-depth can be regulated by adjusting the support wheel.

The offset of the Lawn Edger can be manually adjusted.

Useful tips

For best results, trim the lawn edges when the ground is slightly damp.

Never drive faster than the Lawn Edger's cutting speed.

Make sure the snap couplings are clean before attaching, as this protect the hydraulic system.

Daily cleaning and maintenance will extend the lifetime of both the machine and the attachment.

General information

**Honest
Machines**

General information

1.1 Safety



Avoid standing close to the machine while it is in use.

Make sure that no one is near the machine while it is in use as there is a danger of crushing.



Attention

As it is articulated, the rear end of the machine swings out when turning. Make sure that no one is standing near the machine while it is in use. (Picture 1)



Avoid crushing fingers

Keep your hands and fingers away from areas where there is a danger of crushing.



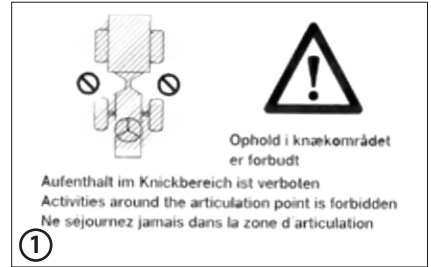
Warning! Rotating parts

To avoid personal injury, make sure no one puts their fingers or toes under the Lawn Edger while it is moving. (Pictures 2 and 3)



Avoid roll-overs

Do not drive the machine in a place where it can slide, tip or roll. Do not drive on slopes with an incline of more than 10°. (Picture 4)



①

Prevent people from standing in the working area.



Warning! Rotating parts!



Warning! Rotating parts!

④



Máx. 10°

Do not drive on slopes with an incline of more than 10°

General information

1.2 EC Declaration of Conformity

Manufacturer: **Egholm A/S**
Address: **Transportvej 27 · DK-7620 Lemvig**
Telephone: **+45 97 81 12 05**

hereby declares that

Machine: **Lawn Edger 2200**

Type: **22VKS1**

has been manufactured in conformity with the provisions of the Machinery Directive 2006/42/EU

Any alteration, rebuilding or addition of implements, accessories or other equipment not manufactured by Egholm automatically results in the cancellation of type approval, CE approval, any other approval, as well as any warranty on machine and attachments.

Unless otherwise agreed in writing between the operator, customer and Egholm, Egholm is the data originator (data originator) of all data generated by the machine and attachments during use.

Person authorized to compile the technical documentation:

Mr. Rainer Flanz

Egholm A/S

Transportvej 27 · DK-7620 Lemvig

Place: Lemvig

Date: _____

Signature:



Rainer Flanz, R&D Manager

General information

1.3 Technical data

Dimensions	Assembled:	Storage dimensions
Length (L).....	2,640 mm.....	540 mm
Width (W).....	1,220–1,370 mm.....	930–1,080 mm
Height with cab (H).....	1,960 mm.....	520 mm
Offset.....	150 mm	

Technical data:

Type.....	22VKS1
Weight of Lawn Edger.....	50 kg
Ground clearance below blade, lifted.....	140 mm
Max. cutting depth.....	95 mm

Attention:

Specifications may change without notice

Operator's manual

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2.1 Assembly / Disassembly

1. The locking handle on the A-frame of the basic machine must be in the unlocked position. (Picture 1)
2. Drive the basic machine right up to the A-frame of the Lawn Edger, so the A-frames fit into each other.
3. Raise the A-frame by pulling the joystick back until the Lawn Edger is suspended and free of the ground.
4. Stop the machine.
5. Lift the back of the guard on the Lawn Edger, until the Lawn Edger falls into place on the basic machine's A-frame. (Picture 2)
6. Lock the Lawn Edger in place with the locking handle on the A-frame. (Picture 2) The locking handle can only be engaged when the machine has been stopped.
7. Push the lock button down to release the support strut; pull the strut up until the lock clicks into place. (Picture 3)

Disassembly

Follow the procedure for fitting only in reverse order.



Locking handle



Lift the guard

Locking handle



Support strut

Locked

Operator's manual

2.2 Before start-up

Transport

The transport lock prevents the attachment from lowering during transport.

How to use the transport lock

Move the handle to the uppermost position. Lift the A-frame by moving the joystick up. As the A-frame lifts, the transport lock is automatically activated. (Picture 1)

How to unlock the transport lock

Unhitch the handle and lift the A-frame to the uppermost position. The attachment can now be lowered again. (Picture 2)

2.3 Start-up

1. Start the machine.
2. Start the Lawn Edger by activating the PTO-front. (Picture 3)
3. Lower the Lawn Edger by moving the joystick down. (Picture 3)



Warning

Avoid driving over manhole covers or similar obstacles as this will damage the blades and guard.



Warning

Make sure no one is standing too close to the machine while it is in use.



N.B

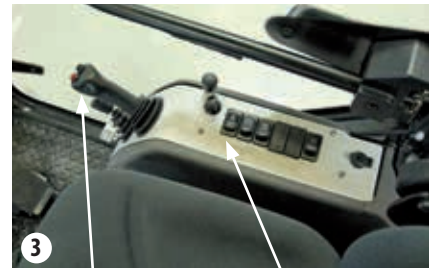
When turning, the rear of the machine swings out, so there is a risk of crushing or collision.



Transport lock – locked



Transport lock – unlocked



Joystick

PTO-front

2.4 Adjusting

Adjusting the cutting depth

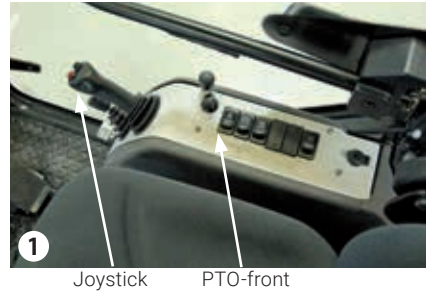
Adjust the cutting depth to suit conditions.

1. Stop the Lawn Edger by activating the PTO-front. (Picture 1)
2. Lift the Lawn Edger up by pulling the joystick back. (Picture 1)
3. Stop the machine.
4. Loosen the support wheel. (Picture 2)
5. Adjust the support wheel to the desired depth.
6. Tighten the handle again.

Adjusting the breadth

If the machine is operating in areas with very sharp turns, the blade can be turned out further to the side.

1. Stop the Lawn Edger by switching off the PTO-front. (Picture 1)
2. Lift the Lawn Edger up by pulling the joystick back. (Picture 1)
3. Stop the machine.
4. Loosen the blade's sideways grip. (Picture 3)
5. Adjust the blade's position as desired. The blade must not be positioned beyond the arrow. (Picture 3)
6. Re-tighten the handle.



Operator's manual

2.5 Changing the blade

The Lawn Edger blade can be changed, allowing the operator the choice of cutting towards/away from the machine, depending on the driving direction of the machine relative to the lawn edge.

1. Lift the Lawn Edger up by pulling the joystick back.
2. Stop the machine.
3. Detach the guard by removing the wing nut under the guard. (Picture 1)
4. Remove the bolt that holds the guard. (Picture 2)
5. Remove the end piece, pipe and guard. (Picture 2)
6. Fit the other guard on the other side of the pipe, fit the end piece and tighten again.
7. Refit the guard.

Blade for cutting away from the machine. (Picture 3)

Blade for cutting towards the machine. (Picture 4)



Detaching the guard



Removing the bolt



Sharp edge



Sharp edge

Service and maintenance

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Service and maintenance

3.1 Cleaning

Daily cleaning and maintenance will extend the lifetime of both the machine and the attachment.

Clean the Lawn Edger with water when required. Avoid high pressure cleaning of the snap couplings.

Wipe the snap couplings clean with a cloth. (Picture 1)



1 Wipe the couplings clean with a cloth

3.2 Maintenance

Replacing the cultivator blades

1. Lift the Lawn Edger up by pulling the joystick back.

2. Stop the machine.

3. Detach the guard by removing the wing nut under the guard. (Picture 2)

4. Remove the bolt that holds the blade. (Picture 3)

5. Remove the end piece, pipe and blade. (Picture 3)

6. Remove the nuts and bolts that hold the cultivator blades and remove the cultivator blades. (Picture 4)

7. Fit the new cultivator blades in the opposite order.



2 Detaching the guard



3 Removing the bolt



4 Sharp edge

Service and maintenance

3.2 Maintenance - continued

Replacing the blade

1. Lift the Lawn Edger up by pulling the joystick back.
2. Stop the machine.
3. Detach the guard by removing the wing nut under the guard. (Picture 1)
4. Remove the bolt that holds the guard. (Picture 2)
5. Remove the end piece, pipe and guard. (Picture 2)
6. Fit the new blades in the opposite order.



Detaching the guard



Removing the bolt

Service and maintenance

3.2 Maintenance - continued

Replacing the wearing bar

1. Lift the Lawn Edger up by pulling the joystick back.
2. Stop the machine.
3. Detach the guard by removing the wing nut under the guard. (Picture 1)
4. Remove the bolt that holds the guard. (Picture 2)
5. Remove the end piece, pipe and guard. (Picture 2)
6. Remove the nuts and bolts that hold the wearing bar and remove the wearing bar. (Picture 3)
7. Fit a new wearing bar in the opposite order. The milled edge of the wearing bar should be facing the blade and towards the axle. (Picture 3)

New cultivator blades, blades and wearing bar can be ordered from an authorised Egholm distributor.

Winter storage

When it is time to store the Lawn Edger for the winter, the following steps are recommended:

1. Remove any loose paint and repaint any damaged areas.
2. Spray the Lawn Edger with protective lubricant.



Detaching the guard



Removing the bolt



Screws that hold the wearing bar

Conditions

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Conditions

4.1 Warranty

The warranty period for the materials and manufacture of this Lawn Edger is 12 months from the date of purchase. In case of errors or defects on the machine within the warranty period, Egholm A/S will carry out the necessary repairs at no charge to the customer, including materials and working hours, in accordance with the terms and conditions listed below.

The scope of the warranty

1. The Egholm warranty is only valid on presentation of the original receipt supplied with model description, serial number and date of purchase.
2. Regular checks, adjustments, services and technical alterations are not covered by the warranty.
3. All inquiries concerning the warranty are to be addressed to the dealer where the machine was purchased.
4. This warranty does not cover faults and defects which cannot be traced back to defects in material or production errors.
5. This warranty is valid for persons who have legally acquired the machine within the warranty period.
6. In the event of failure to perform and substantiate service in accordance with the applicable instructions, Egholm reserves the right to reject any claim made within the warranty period.
7. Egholm A/S reserves the right to make improvements and design-related alterations to the machine without being obliged to modify previously delivered models in relation hereto.

The warranty does not cover

- Wear and tear, accidents, damage to the equipment caused by operating errors, negligence, changes to the construction of the machine or use of non-Nilfik-Egholm spare parts or implements.
- Machines with illegible serial numbers.
- Damage caused by force majeure such as lightning, flood, fire, war, civil disturbance, wrongfully performed maintenance or lack of the same, consequential damages or other causes over which Egholm A/S has no control.

4.2 Complaints

All inquiries regarding the machine should be made at the distributor from whom the machine was purchased. This applies to inquiries concerning normal use, service, maintenance and spare parts as well as any complaints.

We wish you many years of safe and satisfied use of your machine.

Best regards
Egholm A/S

4.3 Disposal

When, many years from now, your Lawn Edger has reached the end of its working life, it should be disposed of in a responsible manner that conforms with relevant disposal regulations.

1. Used hydraulic oil is to be disposed of at an approved waste disposal facility or site.
2. Remove and dispose of all plastic and rubber parts.
3. After the parts mentioned have been removed, the machine is ready to be handed over to an approved scrap merchant.

Spare parts

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5.1 Spare parts - City Ranger 2200 Lawn Edger



09701270 Rubber wheel



09701070 Nylon wearing bar



01700040 Bearing for rubber wheel



09722710 Rubber guard



09806930 Blade



90501481 Cultivator blade for Lawn Edger – left



90501701 Cultivator blade for Lawn Edger – right

Notes

Honest Work.

Egholm A/S
Transportvej 27
7620 Lemvig, Denmark
T.: +45 97 81 12 05
www.egholm.eu - info@egholm.eu