

Operator's manual



**Hedge Cutter
City Ranger 2200**

Introduction

Dear Customer

Congratulations with your new 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 Hedge Trimmer

To ensure optimal performance of your City Ranger 2200 Hedge trimmer, 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 Hedge Trimmer 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 Hedge Trimmer 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 as a permanent part of the machine and must remain with it if the machine is 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 machine's 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

Do not hesitate to contact Egholm A/S should you have questions of any kind regarding your new Egholm product.

Best regards

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

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Contents

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	11
2.3 Start-up	12
2.4 Setting trimmer position	14
Service and maintenance	18
3.1 Cleaning	18
3.2 Maintenance	18
Conditions	20
4.1 Warranty	20
4.2 Complaints	21
4.3 Disposal	21
Spare parts	23
5.1 Spare parts - City Ranger 2200 Hedge Trimmer	23

The Hedge Trimmer operates quickly and effectively on hedges and bushes up to 3 metres in height and on branch thicknesses up to 20 mm. The Hedge Trimmer is fixed at the front of the machine and controlled from the cab.

The Hedge Trimmer can easily be adjusted to trim horizontally, vertically or at any angle required.

During transport, the Hedge Trimmer is folded to save as much space as possible.

Attach and detach the Hedge Trimmer in under a minute with no tools required.

When detached, the Hedge Trimmer rests on four wheels and is extremely easy to store.

General information

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General information

1.1 Safety



N.B

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)



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

To avoid personal injury people must stay clear of the cutting bar when it is being lowered and tilted.



Cover the cutting bar when the Hedge Trimmer is not in use and during transport.

Remove the cover immediately prior to use. (Picture 2)



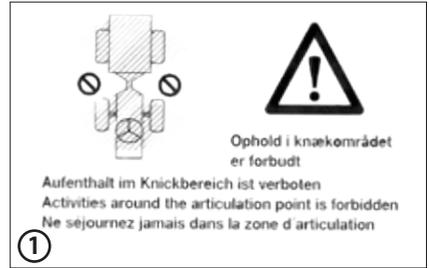
In the case of maintenance or repair, always switch off the motor.

The attachment motor must be stopped before any adjustment, maintenance or repair can be carried out on the Hedge Trimmer.



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°. The tyre pressure must be checked and adjusted to 1.5 bar (22 psi) when the Hedge Trimmer is attached. Lower tyre pressure increases the risk of roll-overs. (Picture 3)



Prevent people from standing in the working area



Protective covering



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: **Hedge Trimmer**
Model **Elkær Maskiner**
Type: **22GOT**

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	Attached	Storage dimensions
Length (L).....	3,500 mm	1,000 mm
Width (W).....	1,600 mm	1,600 mm
Height with cab (H).....	1,960 mm	1,450 mm
Height with roll bar (H).....	2,00 mm	

Technical data

Type description	HK 1300 MINI / 2200
Max. horizontal reach.....	2,500 mm
Cutting width.....	1,300 mm
Horizontal cutting height.....	300 mm - 2,100 mm
Vertical cutting height.....	0 mm - 3,200 mm
Angle for cutting bar.....	270°
Max. branch thickness.....	20 mm
Operating speed.....	1-3 km/h
Weight.....	130 kg
Hydraulic oil.....	Texaco Rando HDZ 46 or equivalent

N.B:

Specifications may be changed without prior notice.

Information plate:

(Picture 1)



Information plate

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)

Tips

Raise the Hedge Trimmer front wheels free of the ground and lower the support struts, so that the Hedge trimmer A-frame is angled back. This makes it much easier to 'catch' the A-frame when attaching. (Picture 2)

2. Drive the machine right up to the A-frame of the Hedge Trimmer so the A-frames fit into each other. (Picture 3)

3. Raise the A-frame by pulling the joystick back until the Hedge trimmer is suspended, i.e. free of the ground. (Picture 4)

4. Stop the machine.



1 Unlocked A-frame



2 Support strut lowered



3 Locking



4 Pull joystick back

Operator's manual

2.1 Assembly/Disassembly - continued

5. Lock the Hedge trimmer in place with the locking handle on the A-frame. The locking handle can only be engaged when the machine has been stopped. (Picture 1)

6. Pull out pin on each wheel support strut. Raise support struts all the way and replace the pins. (Picture 2)

7. Removal:
Follow the procedure for fitting in reverse order. To avoid accidents when detaching the Hedge Trimmer, always make sure the machine is on a level and stable surface.



Lock A-frame



Support strut up Pin

2.2 Before start-up

During transport

Lock the Hedge Trimmer in the raised position using the transport lock.

This prevents the attachment from lowering during transport.

How to use the transport lock

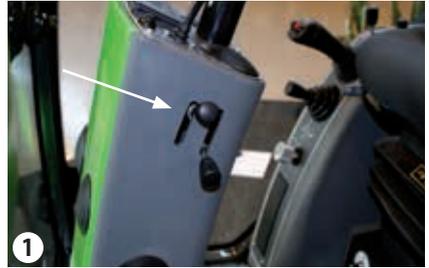
Move the handle to the uppermost position. Raise the A-frame by pulling the joystick back. As the A-frame lifts, the transport lock is automatically activated.

(Picture 1)

How to unlock the transport lock

Unhitch the handle and lift the A-frame to the highest position. The attachment can now be lowered again.

(Picture 2)



Transport lock in locked position



Transport lock in unlocked position

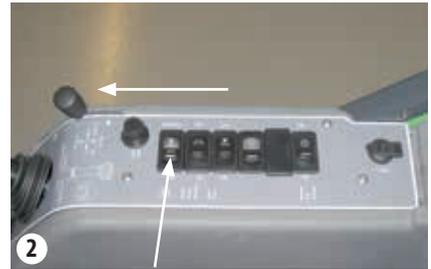
Operator's manual

2.3 Start-up

1. Remove the protective cover from the cutting bar. (Picture 1)
2. Start the machine.
3. Start the Hedge Trimmer: Switch on with the front PTO switch. It is recommended that the machine rpm is adjusted to 2,000. (Picture 2)
4. Move the joystick forward to lower the Hedge Trimmer and align the wheels with the surface. (Pictures 3 and +4)



Protective covering



PTO front and throttle



Joystick forward



Wheels on surface

2.3 Start-up - continued

Tips!

Activate the weight distribution (red button) if the surface is soft. Weight distribution is adjusted using the control knob. (Picture 1)



N.B:

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



Weight distribution

Operator's manual

2.4 Setting trimmer position

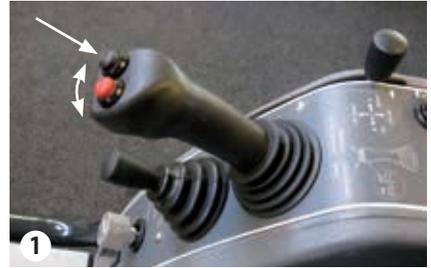
Set the trimmer position by moving the joystick to the left or right, pressing the black button on the joystick at the same time. (Picture 1)

Hedge trimming on the left of the machine

1. Press and hold the black button and move the joystick to the right. The arm now moves vertically. (Picture 2)
2. Press and hold the black button and move the joystick to the left. The arm now moves out to the left. (Picture 3)
3. Move the joystick to the left. The end of the cutting bar now moves up. (Picture 4)

Horizontal/vertical hedge trimming to the left

1. Move the joystick to the left until the cutting bar is raised in the horizontal/vertical position or
2. Move the joystick to the right until the cutting bar is lowered in the horizontal/vertical position
3. To trim at higher horizontal/vertical positions: Press and hold the black button and move the joystick to the right. The arm moves up. Repeat positions as described in points 1 + 2.
4. To trim at lower horizontal/vertical positions: Press and hold the black button and move the joystick to the left. The arm moves down. Repeat positions as described in points 1 + 2.



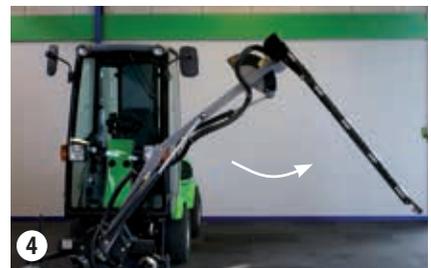
Joystick right - left and black button



Arm up



Arm down



Cutting bar up

2.4 Setting trimmer position - continued

Change from left to right side of machine

1. Move the joystick to the left. The end of the cutting bar now moves down. Do not stop the machine until the cutting arm end is on the right. (Picture 1)

2. Move the boom from left to right position. Free the locking pin by turning the handle out to 90°. The boom can now be tilted to the right side and locked. (Pictures 2 and 3)

Tips!

Small paths

If a small path has to be trimmed, tilt the boom all the way over to the opposite side. The cutting bar remains close to the machine.

Tips!

Reach

If a long side-reach is required, tilt the boom to the side where trimming is to be done.

3. Press and hold the black button and move the joystick to the left. The arm now moves to the right. (Picture 4)



1 Cutting bar on right side



2 Boom adjustment



3 Locking pin



4 Arm to right

Operator's manual

2.4 Setting trimmer position - continued

Horizontal/vertical hedge trimming on the left side

1. Move the joystick to the right until the cutting bar is raised in the horizontal/vertical position
or
2. Move the joystick to the left until the cutting bar is lowered in the horizontal/vertical position

3. To trim at higher horizontal/vertical positions: Press and hold the black button and move the joystick to the right. The arm moves up. Repeat positions as described in points 1 + 2

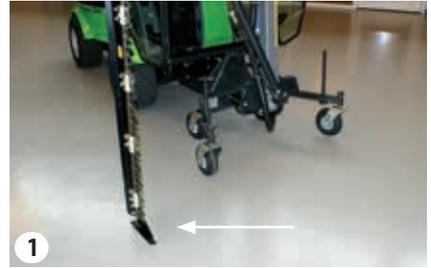
4. To trim at lower horizontal/vertical positions: Press and hold the black button and move the joystick to the left. The arm moves down. Repeat positions as described in points 1 + 2

Tips!

Trim hedges and bushes from below, i.e. with the cutting bar turned with the outer part down, so that the skid just touches the ground. Start trimming. The cutting bar is then raised higher up the hedge, so that the same section is trimmed all the way to the top. (Picture 1)

Operating speed

Depending on the conditions, an operating speed of 1–3 km/h is recommended.



Skid

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 Hedge Trimmer with water when required. Avoid high pressure cleaning of the snap couplings.

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



Cleaning the couplings

3.2 Maintenance

Check all the bolts and tighten if required after a few hours of operation, and one every season thereafter.

Lubricate blades and blade holders every two hours. (Picture 2)

Lubricating nipples on all moveable parts must be re-filled at least once every season. (Picture 3)

Defective blades must be replaced immediately. This ensures effective trimming and reduces wear and tear on the Hedge Trimmer.

Blade replacement must only be carried out by an authorised Egholm dealer



Lubricating blade



Lubricating nipples

Conditions

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Conditions

4.1 Warranty

The warranty period for the materials and manufacture of this Hedge Trimmer 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 without charge for materials and working hours in accordance with the terms and conditions listed below.

The scope of 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 distributor from whom 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, changes to the construction of the machine or use of non-Egholm spare parts or attachments.
- Machines with illegible serial numbers.
- Damage caused by force majeure such as lightning, flood, fire, war, civil disturbance, etc. 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 to any complaints.

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

Best regards
Egholm A/S

4.3 Disposal

Many years from now, when your Hedge Trimmer has reached the end of its working life, it should be disposed of in a responsible manner that conforms with relevant disposal regulations.

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

Spare parts

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5.1 Spare parts - City Ranger 2200 Hedge Trimmer



90601370 Complete blade set



90601050 Blade tooth



90601410 Complete upper blade



90601060 Rivet



90601420 Complete lower blade



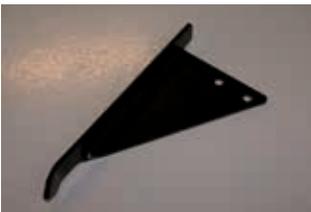
01100330 Wheel



90601030 Knife Guide



02901080 Lubricant spray



90601100 Skid

Honest Work.

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