

Operator's manual



**Hedge trimmer
City Ranger 2260-2250**

Introduction

Dear Customer

Congratulations with your new Egholm product

The City Ranger 2250/2260 is a Danish designed and manufactured product, which offers a very flexible way of maintaining outdoor areas.

Optimal use of your City Ranger 2250/2260 Hedge trimmer

To ensure optimal performance of your City Ranger 2250/2260 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 specifications and equipment at any time without notice. Egholm accepts no liability for errors or omissions in the operator's manual.

Contact us

Should you have any questions regarding your Egholm product, do not hesitate to contact Egholm.

Best regards

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Egholm app - easy access to useful material

Download our Egholm app, enter the serial number of your machine and possibly add attachments, and get access to videos, manuals, technical specifications and much more.

If you agree to receive notifications, you will be notified about product and service information, offers etc. The app is available for Apple and Android mobile phones.

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The Hedge trimmer operates quickly and effectively on hedges and bushes up to 2,5 metres in height and on branch thicknesses up to 30 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 less than 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 trimmer when it is being lowered and tilted.



Counterweight

Always install counterweights before attaching the Hedge Trimmer. Do not use the Hedge Trimmer without counterweights min. 250 kg (Egholm part no. E70101202) or the hopper with filled water tank (Picture 2)



In the case of maintenance or repair, always switch off the Engine and the electric main switch

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



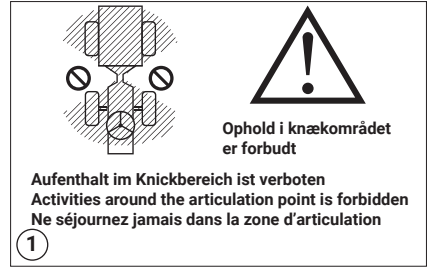
Avoid roll-overs!

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)



Transport

Only transport the Hedge trimmer when it is in transportation position (Picture 4)



Prevent people from standing in the working area



Always install weight blocks before installing the Hedge trimmer



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



Hedge trimmer in transportation position

General information

1.2 EC Declaration of Conformity

Manufacturer: **GMR maskiner a/s**
Address: **Saturnvej 17 DK-8700 Horsens**
Telephone: **+45 75 64 36 11**


hereby declares that

The machine: **GMR Maskiner**
Model: **Hedge trimmer and trimmer arm**
Type: **MT1300 and Termit**

· has been manufactured in conformity with the provisions of the Machinery Directive, Directive 2006/42/EF

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.

Place: Lemvig
Date: _____
Signature: 
Rainer Flanz, R&D Manager

General information

1.3 Technical data

Dimensions	Attached	Storage dimensions
Length (L).....	3930 mm.....	1500 mm
Width (W).....	1320 mm.....	1320 mm
Height (H) with cab.....	1939 mm.....	1700 mm
Height (H) with roll bar.....	2060 mm	

Technical data

Type.....	MT1300 / Termit
Max. horizontal reach.....	2500 mm
Cutting width.....	1300 mm
Horizontal cutting height.....	300-2100 mm
Vertical cutting height.....	0-3200 mm
Angle for cutting bar.....	270 deg
Knife (L).....	450 mm
Max. branch thickness.....	30 mm
Operating speed.....	1 - 3 km/t
Oli pressure.....	190 bar (max)
Max oil output.....	25 L/min
Weight.....	167 kg

N.B

Specifications may be changed without prior notice.

Information plate

(Picture 1+2)



Information plate
Trimmer head



Information plate
Arm

Operator's manual

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2.1 Assembly / Disassembly

Delivery

The arm and trimmer are delivered on two pallets.
(Picture 1)

Unpack both parts and place them on a plan surface



The arm and trimmer are delivered on two pallets

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2.1 Assembly/Disassembly - continued

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.



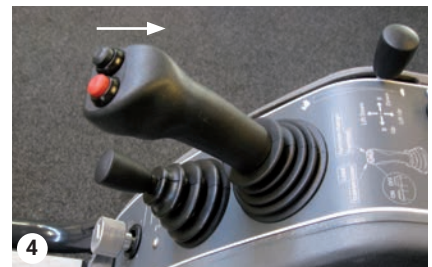
Unlocked A-frame



Support strut lowered



Locking



Pull joystick back

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 remount 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

Operator's manual

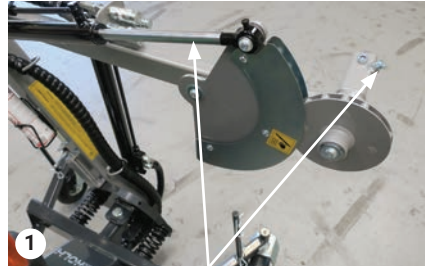
2.1 Assembly/Disassembly - continued

1. Check the arm, the top hydraulic cylinder must be in out position (Hole in square pipe pointing up and down.) (Picture 1+2)

2. Mount the trimmer in the square hole, put in the M10 bolt (Picture 3).
Mount and tighten the bolt with M10 nut.
Tighten the allen bolt and check the trimmer can not move at all from the trimmer arm square pipe. (Picture 4)

3. Mount the hydraulic hoses. The hoses must be guided below the trimmer arm square pipe. (Picture 6)

4 Release the screw holding the foot, start the machine, lift the trimmer arm, and remove the foot. (Picture 5)



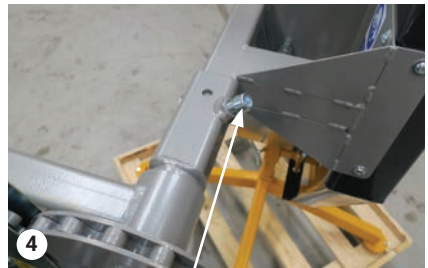
Allen bolt pointing right
Cylinder in out position



Allen bolt pointing right



Mount the trimmer knife in the square hole,
M10 bolt.



Tighten the allen bolt. Check the trimmer can not
move at all from the trimmer arm square pipe.



Release the screw.



The hydraulic hoses must be guided below the
trimmer arm square pipe.

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

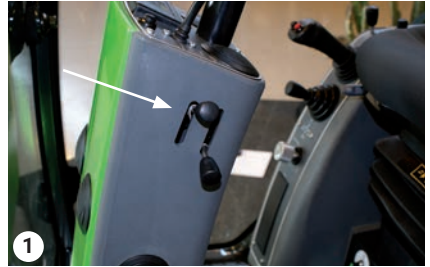
Unhitch the handle and lift the A-frame to the highest position. The attachment can now be lowered again.

(Picture 2)



Warning

Always make sure the hedge trimmer is folded to minimum size before transportation.



Transport lock in locked position



Transport lock in unlocked position



Transport position

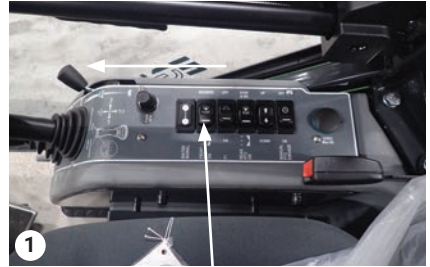
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2.3 Start-up

1. Start the machine.
2. Start the Hedge trimmer: Switch on with the front PTO switch.
3. Move the joystick forward to lower the Hedge trimmer and align the wheels with the surface. (Pictures 2+3)

The hedge trimmer is designed to run at 25 L/min hydraulic oil.

MAX Rpm for 25L/min :
City Ranger 2260 = 2500 Rpm
City Ranger 2250 = 2200 Rpm



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 up. (Picture 2)

2. Press and hold the black button and move the joystick to the left. The arm now moves vertically down. (Picture 3)

3. Move the joystick to the left the trimmer turns clockwise - move the trimmer to the right, the trimmer turns counter clockwise. (Picture 4)

Horizontal/vertical hedge trimming to the left

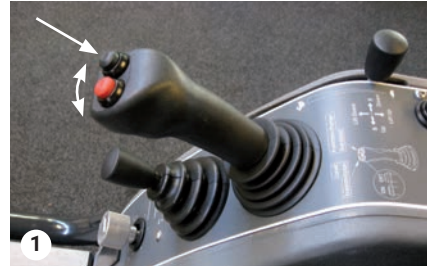
1. Move the joystick to the left until the trimming bar is raised in the horizontal/vertical position

or

2. Move the joystick to the right until the trimming 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

To change side, place the trimmer on the ground (Picture 1)

Release the locking pin (Picture 2), use the machine to pull, and change the position of the arm.

Tips!

Small paths

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

Tips!

Reach

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



Warning

Dont release the locking pin, unless the trimmer is placed on the ground. (Picture 1)



Change cutting bar to right side



Locking pin



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 trimming bar is raised in the horizontal/vertical position

or

2. Move the joystick to the left until the trimming 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 trimming bar turned with the outer part down, so that the skid just touches the ground. Start trimming. The trimming 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

2.5 First trimming



Warning

If leaving the tractor, the blades must be stopped.

First time cutting

First cut along the ground. Make sure that the lower blade does not touch the ground or any other foreign objects. An iron fence pole or similar can ruin the blade in unfortunate circumstances.

Driving speed

It is recommended to drive with approx. 1-3 km/h. However, always pay attention to driving according to the conditions.

2.6 Disconnection

Disconnect Hedge Trimmer from the tractor in reverse order of what you did when you connected the Hedge Trimmer. Disconnection must always take place on a level and firmly under layers so that the machine does not tip over.

For safety reasons, we recommend placing the Hedge Trimmer with the knives flat on joists directly on the floor.

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2.7 Safety during maintenance

The knives are very sharp. It is therefore crucial that the work is carried out carefully when maintenance work is to be carried out on the knives.

Always wear heavy gloves and safety footwear when performing work on the blades.

Before doing any kind of work on the Hedge Trimmer

1. Place the Hedge Trimmer on a solid surface.
2. Stop the tractor and switch off the electrical main switch.

2.8 Maintenance

Check knives and bolts

Cutting knives must be inspected for wear or damage before using the Hedge Trimmer. Bolts and nuts must be inspected and tightened.

2.9 Replacement

Replacement of knives

If you need to replace a knife, turn the hedge trimmer upside down and place it on the ground. Each knife is mounted with 2 bolts. The blades are mounted by removing the 2 bolts and lock nuts. The knives can then be lifted off. Assembly takes place in the opposite order. Check that all bolts are intact and replace the lock nuts. New blades are available at any Egholm distributor.

Sharpening of knives

The knives must be sharpened very precisely. Do not try to sharpen the blades yourself, as they can get out of balance and cause damage to the other parts of the Hedge Trimmer. Sharpening must always be carried out by a specialist who has the necessary equipment and expertise.

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)



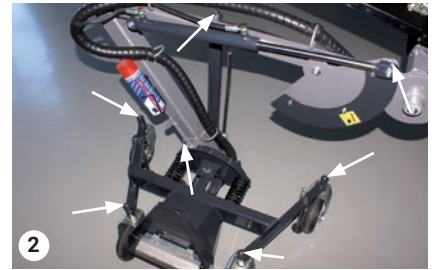
Cleaning the couplings

3.2 Maintenance

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

Lubricating nipples on all moveable parts must be re-filled at least once every season. (Picture 2)

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



Lubricating nipples

Conditions

**Honest
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Conditions

4.1 Warranty

The warranty period for the materials and manufacture of this Hedge trimmer is 24 months from the date of purchase. In case of errors or defects on the machine within the warranty period, Egholm 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 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 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.

Notes

Honest Work.

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