

Operator's manual



**Rotary/Mulch Mower 1500
City Ranger 3070**

Introduction

Dear Customer

Thank you for choosing an Egholm product

The City Ranger 3070 is a Danish designed and manufactured utility machine, which allows you to take a very flexible approach to maintaining outdoor areas.

Optimal performance from your City Ranger 3070 Rotary/Mulch Mower 1500

To ensure optimal performance from your City Ranger 3070 Rotary/Mulch Mower 1500, 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 Rotary/Mulch Mower 1500 is equipped with various devices to ensure optimal operational safety, both for the user and the surroundings. We therefore ask you to pay particular attention to Safety section 1.1. The machine must only be serviced by professionals.

The Rotary/Mulch Mower 1500 is designed for use by professionals only. On delivery of the machine, the user will receive thorough training to become a competent operator. Do not lend the machine or attachments to anyone who has not been thoroughly trained and who has not read this manual carefully. The operator's manual should be considered a vital accessory to the machine and so 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 explains how you should pay special attention to the aspect in question.



Reservations

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

Contact Egholm

Please do not hesitate to contact Egholm, if you have questions of any kind regarding your new Egholm product.

Best regards,
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e-mail: info@egholm.dk · www.egholm.eu



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 City Ranger 3070 Rotary/Mulch Mower 1500 operates quickly and effectively to meet your every cutting need – even on difficult lawns.

The Rotary/Mulch Mower 1500 cuts and recuts the grass into tiny particles and blows them down into the lawn which fertilises the soil naturally throughout the summer. The result is a green and well-trimmed lawn.

The Rotary/Mulch Mower 1500 with rear discharge feature is especially well-suited to rough, tall and even damp grass, leaving it looking well groomed.

The Egholm mowers are equipped with piano wheels as standard which make the mower follow the steering. This also avoids leaving tracks on the lawn.

The City Ranger 3070 Rotary/Mulch Mower 1500 drives 13.500 - 15.000 m² per hour. It simply races around the lawn with a cutting width of 1.500 mm.

Useful tips

Never allow the radiator grille to become clogged with grass. This reduces the cooling effect.

The Rotary/Mulch Mower 1500 is designed to cut up to one third of the grass height. Adjust the mowing frequency hereafter.

Adjust the speed for the desired result – the best result is achieved when you avoid driving too fast.

Ensure the hydraulic couplings are clean before mounting the mower, as this protects the hydraulic system.

General information

**Honest
Machines**

General information

1.1 Safety



Make sure no one is 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. (Picture 2)



Avoid roll-overs

Do not drive the machine in a place where it can slide, tip or roll. Do not drive along slopes with an inclination of more than 5°. (Picture 3)



Warning! Rotating parts

To avoid personal injury make sure no one puts their fingers or toes under the mower while it is moving. (Picture 4)



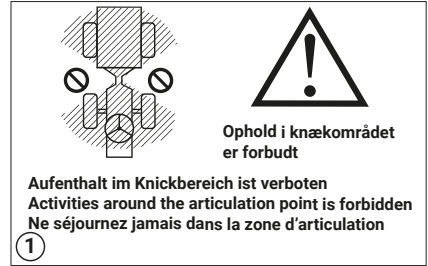
Warning

Remove stones and branches from the lawn as they can be unintentionally thrown out and cause damage to people and property. Prevent people from standing in the working area.



Warning

do not stand on mower deck during transport or cutting.



1 Prevent people from standing in the working area.



2 Warning label



3 Do not drive on slopes with an incline of more than 5°



4 Warning label

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

The machine: **Rotary/Mulch Mower 1500**
Type: **30LMBA**

· has been manufactured in conformity with the provisions of the Machinery Directive 2006/42/EU and tested against ISO 5395-03.

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).....	4,200 mm.....	990 mm
Width (W).....	1,582 mm.....	1,582 mm
Height (H).....	2000-2210 mm.....	480 mm

Technical data

Type.....	30LMBA
Own weight (Rotary mower).....	137 kg
Own weight (Mulch Mower).....	145 kg
Cutting width.....	1500 mm
Adjustable cutting height.....	30-80 mm
Performance/hour approx.....	up to 15.000 m ² /h
Ground clearance below mower.....	140 - 190 mm
No. of mower blades.....	3 pcs

N.B!

Specifications may be changed without prior notice.

Item number

Mulch Mower.....	E56000605
Rotary Mower.....	E56000606

Optional equipment

Mulch Kit - The rotary mower, can be converted to a lawn mower, with a mulch kit incl. blades.....	E65003045
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Operator's manual

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2.1 Assembly / Disassembly

Unpacking the mower

The mower is packed and delivered in a cardboard box, on a pallet. (Picture 1)

Open the cardboard box.

Use a crane or a forklift, to lift the mower out of the cardboard box. (Picture 3)



1

Mower in cardboard box, on a pallet.



2

Lifting point marks



3

Operator's manual

2.1 Assembly / Disassembly - continued

Check that the blades are sharp, intact and free from cracks before attaching the mower. This avoids unnecessary breakdown while mowing.

Assembly

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 mower. Lower the A-frame slowly using the right joystick (blue) so the A-frames fit into each other. (Picture 2)
3. Raise the A-frame by pulling the right joystick back until the support wheels hang free of the ground. (Picture 3)
4. Switch off the engine.



Attention

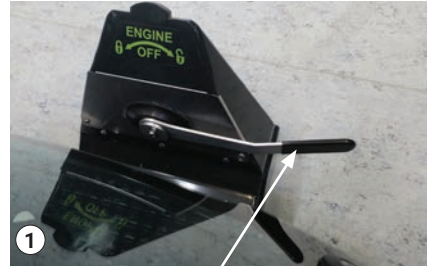
Always clean the couplings on the attachment and basic machine before mounting.

5. Use the locking handle on the A-frame to lock the mower in place. (Picture 4)

The locking handle may only be turned/engaged when the engine has been switched off.

Removal

For demounting the mower, follow the procedure for fitting in reverse order.



Lock handle - Open position



Attaching



A frame lifted



Locked position

2.2 Important before start-up

During transport

Lift the mower to highest position. (Picture 1)

In transport mode the driver can use load suspension to improve the comfort during transportation. Press the button and the load suspension is on. (Picture 2)

Tighten or loosen load suspension with the right joystick (blue).

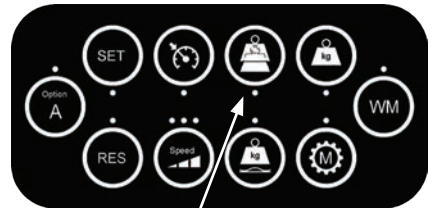


Warning

Do not drive over manhole covers or similar obstacles to avoid damaging the blades and guard.



Mower in highest position



Load suspension

Operator's manual

2.3 Start-up

1. Start the machine.
2. Choose summer menu on the screen (flower). (Picture 1)
- choose 1500 mm mower on the screen. (Picture 2)

When the attachment is chosen in the menu, return to the transport screen by clicking at the "X" button below the encoder "wheel".



Warning

Make sure to choose the right attachment in the machine screen menu. A wrong choice may have influence on the safety on the machine, and will damage the attachment.

3. Lower the mower to a horizontal position, press and hold the WM button for at least 3 seconds. to start the mower (picture 3). The mower lowers automatically and start up thereafter. To avoid too much pressure from mower tyres, always use the weight transfer. Press the weight transfer button on the keypad to activate weight transfer. (Picture 3)

When Work Mode (WM) is activated, the weight distribution can be adjusted on the main display by clicking the encoder button (wheel), so the frame of the bar is turning green, and then turn the encoder wheel. (Picture 4)

Note

if pushing the WM button shortly, the hydraulics for the mower will disable, but engine rpm are still unchanged - to start the mower again, press the WM button shortly. To disable Work Mode completely, press the button for 3 seconds.



Work hydraulics disabled

Note

When the weight distribution button is on, in working mode, the A-frame will lower automatically, after lifting



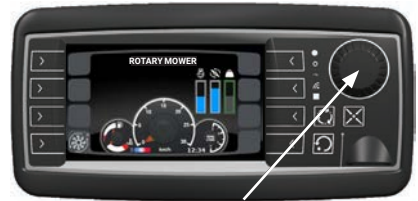
- 1 Choose summer menu, on the screen (flower)



- 2 Choose 1500 mower



- 3 Weight transfer Working mode button



- 4 Engine RPM, Cutter Speed, Weight transfer can be adjusted

2.3 Start-up - continued

4. Use the drive pedal to achieve the right speed. The speed range in work mode can be set in 3 different levels/ranges.

Press the speed limitation button to change level of speed range (Picture 1). Can only be activated, when not mowing and in work mode.

Level 1: Up to 7 km/h

Level 2: Up to 15 km/h

Level 3: Up to 30 km/h.

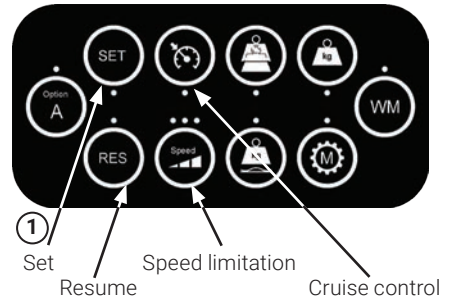
The chosen level can be seen by the diodes, or on the gauge in the display.

5. Adjust the driving speed to suit the conditions.

The City Ranger 3070 has an optional cruise control for speed setting.

The cruise control is activated by pressing the cruise control button. When the right speed is reached, push the set button. The machine will now drive with the set speed. To increase the speed, push the set button. To decrease the speed, push the resume button. (Picture 1)

6. When the cruise control is on, the brake pedal can be used as inch pedal, when activating the first "step" of the pedal. When activating the pedal, the machine will slow down. When releasing the pedal again, the City Ranger 3070 will return to previous set speed. (Picture 2)



Braking and Inch pedal

Operator's manual

2.3 Start-up - continued

7. Make sure to keep the cooler and radiator grilles free from grass. This ensures the correct cooling effect to protect the engine. (Picture 1+2)
(See Cleaning section 3.1)

Note

When the mower is chosen in the menu, the cooler fan will automatically change to reverse during operation with a set interval to blow grass away from the grill (one time each minute).



Warning

Rotating parts

To avoid personal injury make sure no one puts their fingers or toes under the mower while it is mowing.



Warning

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



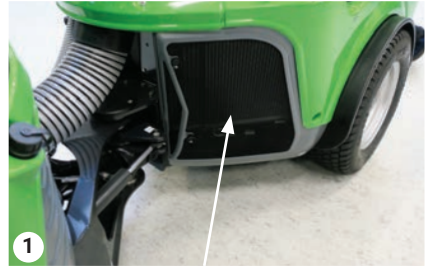
N.B

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



Warning

To avoid personal injury, make sure the right attachment is chosen in the machine screen menu.



Cooling grille



Rear filter

2.4 Adjustment

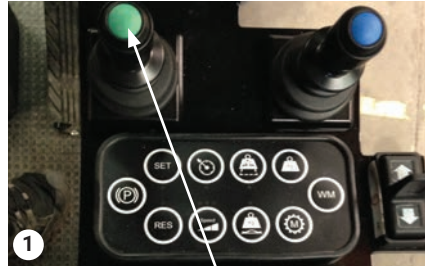
Adjusting the cutting height

Start with a high cutting height, to avoid cutting the grass too short.

How to adjust the cutting height

Tilt the left (green) joystick to the right, for higher cutting height, and left for lower cutting height.

Check the mower height, and repeat the adjustment, until the required cutting height is achieved (Picture 1).



Tilt green joystick right, or left, to adjust cutting height

2.5 Switch between Rotary and Mulch mower

From mulch mower to rotary mower

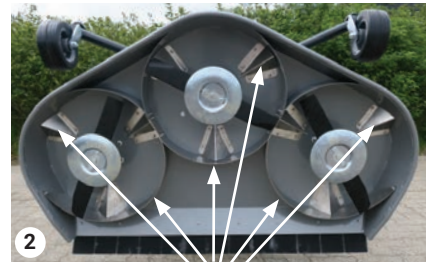
If you wish to convert your mulch mower into a rotary mower, remove the mulch mower kit. (See picture 2)

All triangles, and inside screens, and replace the blades, with blade set (E65003048)

- See section 3.2 for replacing the blades.

From rotary mower to mulch mower

If you wish to convert your rotary mower into a mulch mower, mount the mulch mower kit (E65003045), all triangles, and inside screens, and replace the blades - See section 3.2 for replacing the blades.



Mulch mower kit

Operator's manual

2.6 Tilt the mower for maintenance and service procedures

1. Lift the A-frame in highest position.
2. Pull the tilt handle to upper position.
3. Tilt the left (green) joystick to the right, to tilt the mower.
4. Stop the machine.

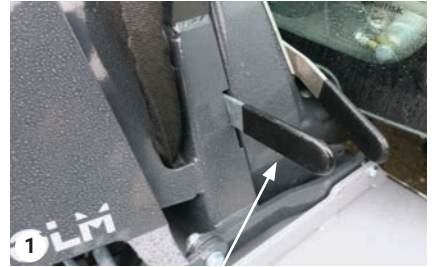
Lower the mower again

1. Start the City Ranger 3070.
2. Tilt the left (green) joystick to the left, to lower the mower (Picture 2)
3. When the mower is down and in place, stop the City Ranger 3070. Check the handle, is in lower position. (Picture 4)



Warning

Never start the mower in tilted position.



Handle in upper position for tilt.



Left joystick - Tilt/lower the mower.



Mower tilted.



Tilt lock - Handle in lower position

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.

It is important that the couplings are intact and cleaned before mounting the attachment. If not clean, use a cloth or similar. (Picture 2)

Cleaning the mower

1. Keep the mower mounted on the City Ranger 3070.
2. Tilt the mower up. (See section 2.6 for tilt). (Picture 1)
3. Clean the mower with water.
4. Avoid high pressure cleaning of the hydraulic couplings - use a cloth or similar. (Picture 2)
It is recommended to clean the mower immediately after operation to stop the grass sticking to the guard and blades.



Tilt the mower



Clean the hydraulic couplings

Cleaning the filters for the coolers

1. Check radiator covers are free at all times. (Picture 3)
2. Clean the grilles and cooler using compressed air or use a brush to keep the filters clean.
3. If the radiators are dirty they must be cleaned. (Picture 4) (See City Ranger 3070 user manual)
4. The radiator guards must be cleaned regularly if cutting very dry grass.



Open the side screens



Attention

Do not use hard implements when rinsing the cooler, as this can damage the fins.



Warning

Clean the cooler with compressed air before washing the machine. Otherwise the dirt will stick and be difficult to remove.



Wash with clean water

Service and Maintenance

3.2 Maintenance

Greasing

Each wheel has 1 greasing nipple and the tilt system has 2 - 4 places in total. (Picture 1)

Replacing the blades

If the blades are damaged, the mower will begin to vibrate. These are replaced as follows:

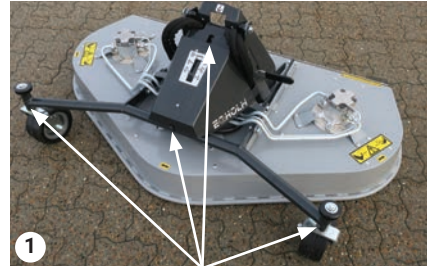
1. Tilt the mower. (See section 2.6 for flip up the mower.)
2. Switch off the machine.
3. Using a chisel or screwdriver, open the locking plate, that locks the bolt heads (Picture 3)
4. Unscrew the bolts, and remove the locking plate, and the disc.
5. Attach new blades, with the sharp edge, facing towards the direction of travel. (Picture 4)
It is recommended to replace the blades, one at a time, to ensure that they fit correctly
6. Refit the locking plate, and bolts. The bolts should be tightened to a torque of 85 Nm.
7. Lock the bolts, by bending the locking plate towards a flat side, of each bolt.
8. It is recommended to avoid using locking plate, more than twice, and to avoid bending it repeatedly. This prevents the blades, from falling off during operation.

New blades and locking plates can be ordered from an authorised Egholm distributor.

Blade sets:

For rotary mowerE65003048

For mulch mowerE65003049



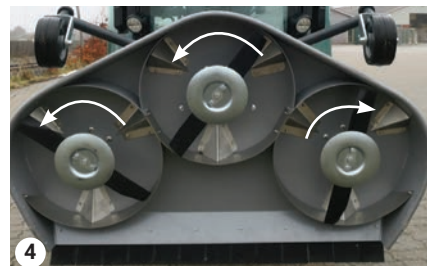
Greasing (4 places in total)



Tilt the mower



Locking plate and bolts



Direction of blade travel

Service and Maintenance

3.2 Maintenance - continued

Sharpening the blades

1. Tilt the mower (See section 2.6 for tilting the mower).
2. Switch off the machine.
3. Detach the blades. (See section 3.2 replacing the blades)
4. The blades should be sharpened equally on both sides to ensure they are correctly balanced.
5. Attach the blades again. (See section 3.2 replacing the blades)

Winter storage

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

1. Remove any loose paint and repaint any damaged areas.
2. Spray the mower with protective oil.
3. Make sure all grease points are full.

Conditions

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Conditions

4.1 Warranty

The warranty period of this City Ranger 3070 Rotary/Mulch Mower 1500 is valid from the date of purchase and mandatory filled out Start-up Warranty form. For more information, take contact to the Regional Sales Manager of Egholm.

In case of errors or defects on the machine within the warranty period, the ccs system should be used to report the issues. Egholm will analyse and look into each situation. If instructions are correctly followed and misuse, incorrect or improper use is not the case, 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 place 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 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 attachment 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, wrongfully performed maintenance or lack of the same, consequential damages 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 any complaints.

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

Best regards
Egholm A/S

4.3 Disposal

When, in many years from now, your Rotary/Mulch Mower 1500 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 all plastic and rubber parts and discard appropriately.
3. After the aforementioned parts have been removed, the Rotary/Mulch Mower 1500 is ready to be handed over to a local approved scrap merchant.

Honest Work.

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