

# Operator's manual



**Rotary/mulch mower  
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 Mulch or Rotary Mower

To ensure optimal performance of your City Ranger 2200 Mulch or Rotary Mower, 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 Mulch Mower and Rotary Mower are 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 Mulch Mower and Rotary Mower are intended only for professional use, and on delivery, the user will receive thorough instructions in the use of the machine and will thus become a competent operator.

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

The operator's manual should be considered as a permanent part of the machine's equipment, 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 shows what you should pay special attention to.



### 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 A/S accepts no liability for errors or shortcomings in the operator's manual.

### Contact us:

Should you have questions of any kind regarding your new Egholm product, 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](mailto:info@egholm.dk) · [www.egholm.eu](http://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.

Introduction .....	2
Contents .....	3
1.1 Safety .....	5
1.2 EC Declaration of Conformity for Machinery .....	6
1.3 Technical data .....	7
Operator's manual .....	9
2.1 Assembly / Disassembly .....	9
2.2 Important before start-up .....	10
2.3 Start-up .....	10
2.4 Adjustment .....	12
Service and maintenance .....	14
3.1 Cleaning .....	14
3.2 Maintenance .....	16
Conditions .....	18
4.1 Warranty .....	18
4.2 Complaints .....	19
4.3 Disposal .....	19

The Egholm Mulch Mower and Rotary Mower operate quickly and effectively to meet your every cutting need – even on difficult lawns.

The Mulch Mower 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 Mower 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 2200 maintains 5-10,000 m<sup>2</sup>/hr. It simply races around the lawn with a cutting width of 1,210 mm.

## Useful tips

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

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

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

Ensure the snap couplings are clean before attaching, 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 on slopes with an incline of more than 10°. (Picture 3)



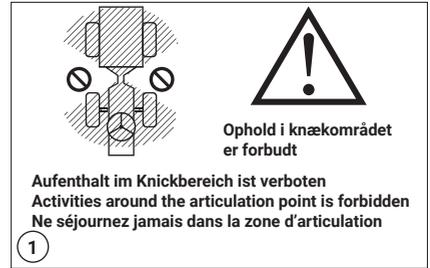
### Warning! Rotating parts

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.



Prevent people from standing in the working area.

2



Warning label

3



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

4



Warning label

# General information

## 1.2 EC Declaration of Conformity for Machinery

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

hereby declares that

The machine: **Mulch Mower/Rotary Mower**  
Type: **22DLM1200**  
Serial No:  
Year:

has been manufactured in conformity with the provisions of 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.

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

# General information

## 1.3 Technical data

<b>Dimensions:</b>	<b>Attached:</b>	<b>Storage dimensions:</b>
Length (L) .....	2,830 mm .....	1,050 mm
Width (W) .....	1,285 mm .....	1,285 mm
Height with cab (H) .....	1,960 mm	

<b>Technical data:</b>	
Type description .....	22LM1200
Sound power level, re Directive 2000/14/EC .....	105 dB(A)
Own weight .....	100 kg
Cutting width .....	1,210 mm
Adjustable cutting height .....	30-70 mm
Performance/hour .....	approx. 5,000-10,000 m <sup>2</sup>
Ground clearance below mower .....	100 mm
No. of mower blades .....	2

### **Attention:**

Specifications may be changed without prior notice.

### **Extra equipment:**

90501591 Mulch-kit for Rotary Mower

# Operator's manual

**Honest  
Machines**

## 2.1 Assembly / Disassembly

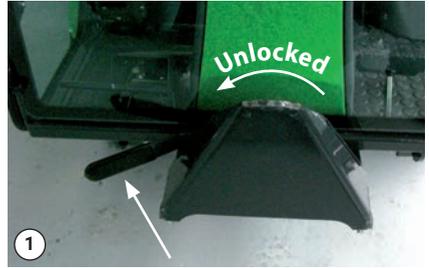
Check the blades are sharp, intact and free from cracks before attaching the mower. This avoids unnecessary breaks in operation while mowing.

### 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, so the A-frames fit into each other. (Picture 2) N.B! It is recommended that the A-frame of the machine is not completely down, as this may damage the mower paintwork when the A-frames are fitted together.
3. Raise the A-frame by pulling the joystick back until the support wheels hang free of the ground. (Picture 3)
4. Stop the motor.
5. Lock the mower in place with the locking handle on the A-frame. (Picture 4) The locking handle can only be engaged when the motor has been stopped.

### Disassembly

Follow the procedure for assembly in reverse order.



Locking handle



Attaching



Attaching



Locking

# Operator's manual

## 2.2 Important before start-up

### During transport

Lock the mower in the raised position using the transport lock. This prevents the attachment from lowering during transport.

### How to activate 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)

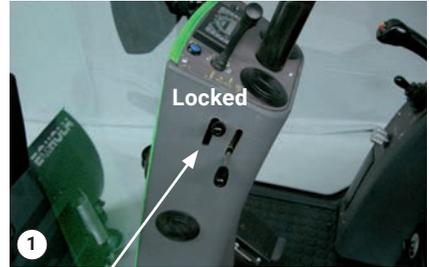
### How to unlock the transport lock

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

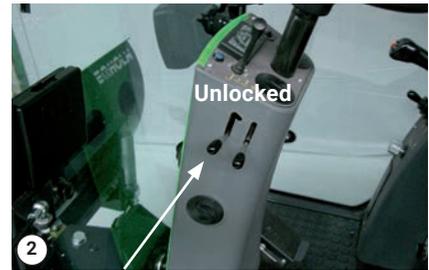


### Warning

Make sure to avoid driving over manhole covers or similar obstacles to avoid damaging the blades and guard.



Transport lock in locked position



Transport lock

## 2.3 Start-up

1. Start the machine.
2. Lower the mower by moving the joystick down. (Picture 3)
3. Activate the weight distribution with the left button on the joystick. (Picture 4) The mower will now follow the terrain.



Joystick



Weight distribution

## 2.3 Start-up - Continued

4. Push the throttle forward until it is at least half open. (Picture 1)
5. Start the mower by activating PTO-front. (Picture 2)
6. Push the throttle all the way forward (full power) to achieve the correct blade speed.
7. Adjust the driving speed to suit the conditions.
8. Make sure to keep the cooler and radiator grilles free from grass. This ensures the correct cooling effect to protect the motor. (See Cleaning section 3.1)



Push the throttle forward until it is half open



PTO-front



### **Warning – Rotating parts**

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



### **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.

# Operator's manual

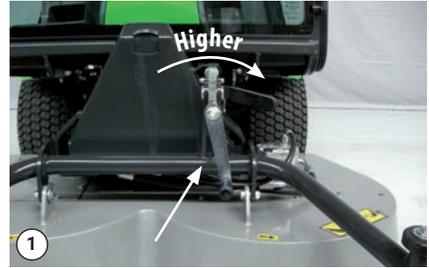
## 2.4 Adjustment

### Adjusting the cutting height

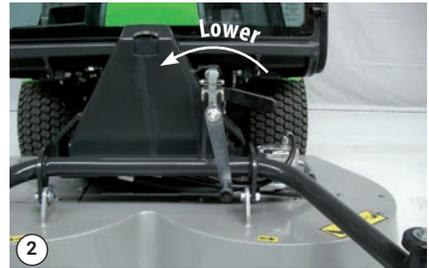
Start with a high cutting height to avoid cutting the grass too short.

### How to adjust the cutting height

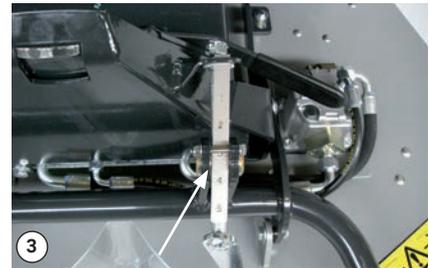
1. Stop the machine.
2. Turn the adjustment handle
  - a. clockwise for a higher cutting height. (Picture 1)
  - b. anti-clockwise for a lower cutting height. (Picture 2)
3. Check the mower height and repeat the adjustment until the required cutting height is achieved. Height adjustment scale. (Picture 3)



Adjustment handle – Raising the cutting height



Adjustment handle – Lowering the cutting height



Height adjustment scale

# **Service and maintenance**

**Honest  
Machines**

# Service and maintenance

## 3.1 Cleaning

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

It is important the couplings are intact before fitting the attachment.

### Cleaning the mower

1. Stop the machine.
2. Detach the mower. (See Section 2.1)
3. Tip the mower forward. (Picture 1)
4. Clean the mower with water.
5. Open the flap over the snap couplings. Rinse the area around the snap couplings with compressed air. Dry the snap couplings with a cloth. (Picture 2)
6. Avoid high pressure cleaning of the snap couplings. It is recommended to clean the mower immediately after operation to stop the grass sticking to the guard and blades.



Tip the mower



Clean the snap couplings

# Service and maintenance

## 3.1 Cleaning - Continued

### Cleaning the water/oil cooler

1. Open the side guards. Detach the side screens if necessary. (Picture 1)
2. Blow the grilles and cooler clean using compressed air.
3. The cooler can be washed using clean water. (Picture 2)
4. The radiator guards must be cleaned regularly if cutting very dry grass.



#### Attention

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

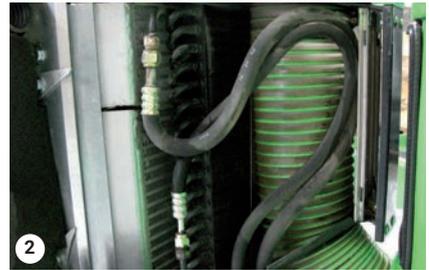


#### Warning

Blow the cooler with compressed air before washing the machine. Otherwise the dirt will not wash off.



Open the side screens



Wash with clean water

# Service and maintenance

## 3.2 Maintenance

### Replacing the blades

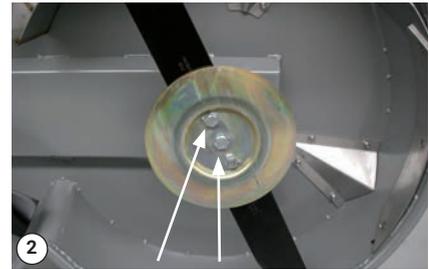
If the blades are damaged, the mower will begin to vibrate. These are replaced as follows:

1. Stop the machine.
2. Detach the mower. (See Section 2.1)
3. Tip the mower forward. (Picture 1)
4. Using a chisel or screwdriver, open the locking plate that locks the bolt heads. (Picture 2)
5. Unscrew the bolts and remove the locking plate.
6. Attach new blades with the sharp edge facing towards the direction of travel. (Picture 3)  
It is recommended to replace the blades one at a time to ensure that they fit correctly.
7. Refit the locking plate and bolts. The bolts should be tightened to a torque of 85 Nm.
8. Lock the bolts by bending the locking plate towards a flat side of each bolt.  
It is recommended to avoid using the 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.



Tip the mower forward.



Bolts and locking plate



Direction of blade travel

## 3.2 Maintenance - Continued

### Sharpening the blades

1. Stop the machine.
2. Detach the mower. (See Section 2.1)
3. Detach the blades. (See Page 12)
4. The blades should be sharpened equally on both sides to ensure they are correctly balanced.
5. Reattach the blades. (See Page 12)

### Replacing the tooth belt

It is recommended to replace the tooth belt every year, to be carried out by an authorised Egholm distributor.

### 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 lubricant.

# Conditions

## 4.1 Warranty

The warranty period for the materials and manufacture of this Mulch Mower/Rotary Mower 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 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 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 attachment caused by operating errors, changes to the construction of the machine or use of non-Egholm spare parts or implements.
- 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 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 Mulch Mower/Rotary Mower 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 Mulch Mower/Rotary Mower is ready to be handed over to a local approved scrap merchants.

# Honest Work.

**Egholm A/S**  
Transportvej 27  
7620 Lemvig, Denmark  
T.: +45 97 81 12 05  
[www.egholm.eu](http://www.egholm.eu) - [info@egholm.dk](mailto:info@egholm.dk)