

# Operator's manual



**Snow V-plough  
City Ranger 2260/2250**

# Introduction

## Dear Customer

### Congratulations with your Egholm product

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

### Optimal use of your City Ranger 2260/2250 snow V-plough

To ensure the optimal performance of your City Ranger 2260/2250 snow V-plough, please read this operator's manual carefully before using the machine. Failure to do so can result in personal injury and damage to the machine.

### Safety

The snow V-plough 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 snow V-plough 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 must 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 accepts no liability for errors or omissions 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.

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 snow V-plough uses the tip of the 'V' to cut through heavy and encrusted snow, separating and pushing it to both sides. Even large amounts of snow are removed with ease.

The V-plough can also be configured as a 'Y' to allow snow to be transported away – very useful in car parks, markets, enclosed courtyards and other locations where snow needs to be gathered in one place.

The snow V-plough is equipped as standard with a safety tilt system to protect paths and the machine.

The V-plough support has sideways suspension, so that the snow V-plough always adjusts to ground conditions.

## Useful tips

Adjust the skids to suit ground conditions. If there are a lot of raised edges, set the skids high so they do not cut into the edges.

Use the snow V-plough for big drifts. The snow V-plough removes most of the snow and then the snow sweeper finishes off the job.

Ensure the snap couplings are clean before fitting, as this protects the hydraulic system.

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

# General information

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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)



The snow V-plough left blade swings to the side when the joystick is moved left or right. The right blade swings to the side when the black joystick button is pressed and the joystick is moved left or right. Make sure that no one is standing near the machine while it is in use. (Picture 2)



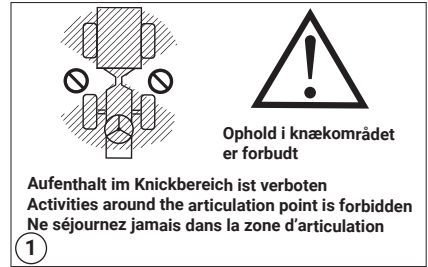
### **Avoid crushing fingers**

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

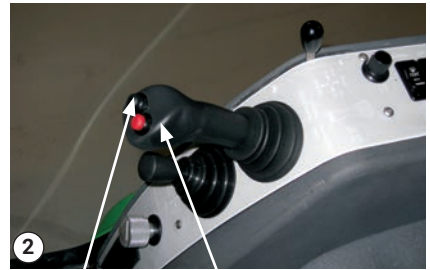


### **Avoid roll-overs**

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)



Prevent people from standing in the working area.



Black button

Joystick



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

# General information

## 1.2 EU Declaration of Conformity

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


herby declares that

Machine: **Snow V-plough 2260/2250**  
Type: **FS 1300 VLE 2250**

· has been manufactured in conformity with:  
European Parliament and Council directive 2006/42/EC of 17 June 2006 on approximation of the laws of the Member States on machinery.

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, Senior Ingenieur

# General information

## 1.3 Technical data

### Dimensions

	Fitted	Storage dimensions
Length (L):	3,000 mm	500 mm
Width (W):	1,400 mm	1,400 mm
Height with cab (H):	1,960 mm	600 mm

### Technical data

Type description	22VP
Weight on snow V-plough	118 kg
Clearing width:	1,200 -1,400 mm
Ground clearance below scraping edge, lifted	240 mm
Ground clearance below skids, lifted	215 mm

### Attention

Specifications may be changed without prior notice

# Operator's manual

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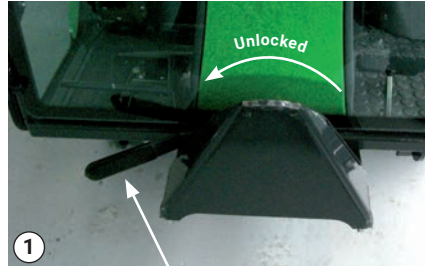
## 2.1 Assembly / Disassembly

1. The locking handle on the A-frame of the basic machine must be in the unlocked position. (Picture 1)
2. Drive the base machine right up to the A-frame of the snow V-plough, so the A-frames fit into each other. (Picture 2)
3. Raise the A-frame by pulling the joystick back until the snow V-plough is suspended and free of the ground.
4. Stop the machine.
5. Lock the snow V-plough in place with the locking handle on the A-frame. (Picture 3) The locking handle can only be engaged when the machine has been stopped.

### Disassembly

Follow the procedure for fitting in reverse order.

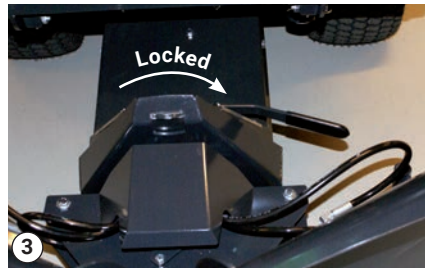
To make attachment and removal easier, set the left and right blades evenly.



Locking handle



Attaching



Locking

# Operator's manual

## 2.2 Important before start-up

### During transport

Lock the snow V-plough 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. Lift the A-frame by moving the joystick up. As the A-frame lifts the transport lock is automatically activated. (Picture 1)

### How to use 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

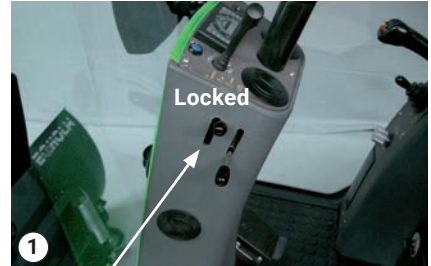
1. Start the machine.

2. Lower the snow V-plough by moving the joystick down. (Picture 3)

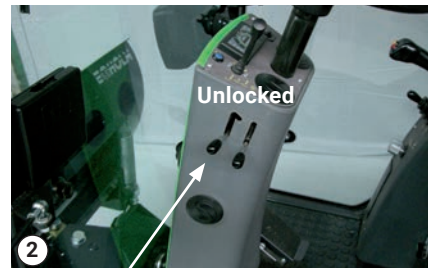
3. Activate the weight distribution with the red button on the joystick (Picture 4). The snow V-plough will now adjust to ground conditions. To adjust the weight distribution read the operator's manual for the basic City Ranger 2260/2250 machine.

4. Turn the left blade of the snow V-plough by moving the joystick to the left or to the right. When the joystick is moved to the right, the blade swings forwards.

5. Turn the right blade snow V-plough by pressing the black joystick button and moving the joystick left or right. (Picture 4) When the joystick is moved to the right, the blade swings forwards.



Transport lock in locked position



Transport lock



Joystick



Black button Weight distribution

## 2.3 Start-up - continued



### Attention!

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!

Collision with solid obstacles – such as kerbstones – may damage the snow V-plough. This damage may cause bolts to snap or parts of the snow V-plough to bend. Damage of this type is not covered by the warranty.

## 2.4 Adjustment

Adjust the skids to the ground conditions. If there are a lot of raised edges set the skids high so they do not cut into the edges.

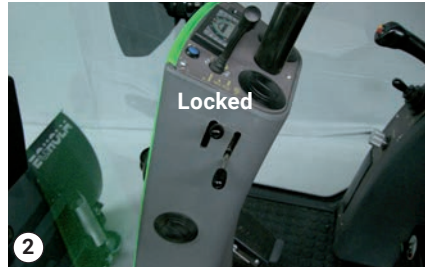
### Adjusting the scraping height

1. Raise the snow V-plough by pulling the joystick up. (Picture 1)
2. Lock the snow V-plough in the raised position using the transport lock. (Picture 2)
3. Stop the machine.
4. Remove the locking ring on the skid. (Picture 3)

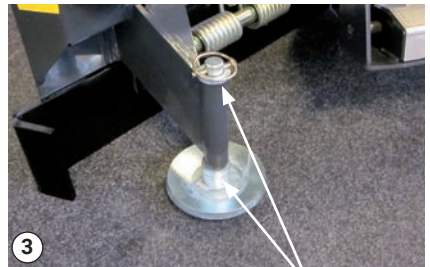
Adjust the skid height by moving washers up or down.



The snow V-plough is raised using the joystick



Transport lock



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.

After use clean the snow V-plough with clean water.

Avoid high pressure cleaning of the snap couplings.

Open the flap over the snap couplings. Use pressurised air to clean around the snap couplings. The couplings can be dried with a cloth (Picture 1). It is important the couplings are intact before the attachment is fitted.



Snap couplings

## 3.2 Maintenance

### Lubricating the bearings

The bearings in the pivot joint of the snow V-plough should be greased regularly with good quality grease.

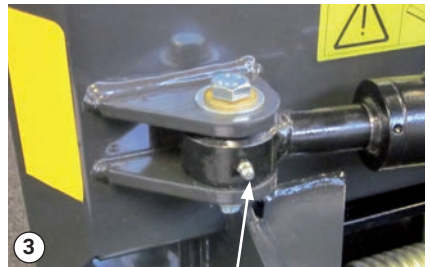
1. Stop the machine.
2. Clean the lubricating nipples and lubricate the bearings until the grease starts to come out of the bearing. (Picture 2)

There are five lubrication nipples in the centre swivel.

There are four lubrication nipples on the cylinder. (Picture 3)



Location of lubrication nipples



Location of lubrication nipples



### Note

After 10 hours of operation - check if bolts and nuts are tightened.

# Service and maintenance

## 3.2 Maintenance - continued

### Replacing the scraping edges

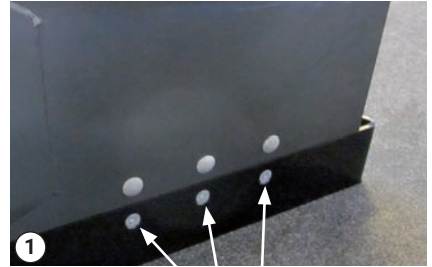
The scrapers at most can be worn down to the scraper guard.

1. Lift the snow V-plough to the uppermost position and lock with the transport lock. (See Section 2.2)
2. Stop the machine.
3. Remove the nuts and bolts holding the scraper edges and remove the scraper edges. (Picture 1)
4. Fit the new scraper edges by reversing the procedure.  
New scraper edges and skids can be ordered from an authorised Egholm distributor.

### Storage outside the season

When the snow V-plough is to be stored outside the season, it is recommended to remove any loose paint and to repaint any damaged areas.

It is recommended the attachment is greased / sprayed with protective lubricant.



Nuts that hold the scraper

# Conditions

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# Conditions

## 4.1 Warranty

The warranty period for the materials and manufacture of this snow V-plough is 12 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 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 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, improper utilization of the machine, 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 to the distributor from whom the machine was purchased. This applies to inquiries concerning normal use, service, maintenance and spare parts as well as complaints (if any).

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 snow V-plough 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 the plastic and rubber parts and dispose of them in accordance with the applicable environmental legislation.
3. After the parts mentioned have been removed, the machine is ready to be handed over to an approved scrap merchant.

# Notes



# Honest Work.

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