

Operator's manual



**Snow Sweeper
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 Snow Sweeper

To ensure the optimal performance of your City Ranger 2200 Snow Sweeper, please read this operator's manual carefully before starting to use the machine. Failure to do so can result in personal injury and damage to the machine.

Safety

The Snow Sweeper 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 Sweeper 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 a permanent part of the machine and must remain with the machine if 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 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

Should you have questions of any kind regarding your Egholm product, do not hesitate to contact Egholm A/S.

Med venlig hilsen
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 · www.egholm.dk

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With the Snow Sweeper fitted to the front of the City Ranger 2200 and Salt and Sand Spreader fitted on the back, the machine sweeps snow while leaving a safe and passable path behind.

The Snow Sweeper clears snow up to 15 cm deep and follows the terrain perfectly over inclines and other obstacles.

Useful tips

Make sure the snap couplings are clean before attaching, as this protects the hydraulic system.

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

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)



The Snow Sweeper swings to the side when the joystick is moved left or right. Make sure that no one is standing near the machine while it is in use. (Picture 2)



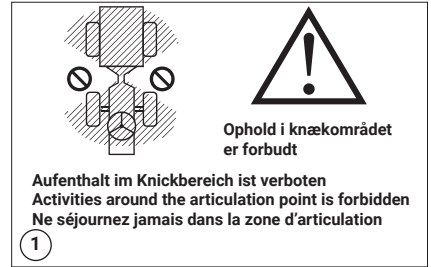
Avoid crushing fingers

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.



Joystick



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**

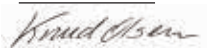
hereby declares that

Machine: **Svingbar kost**
Type: **22SK120**

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

Place: Lemvig
Date: _____
Signature: 
Knud Olsen, Senior Engineer

General information

1.3 Technical data

Dimensions	Assembled	Storage dimensions
Length (L).....	3,260 mm.....	820 mm
Width (B).....	1,220 mm.....	1,220 mm
Height (H).....	1,960 mm.....	650 mm

Technical data

Type description.....	22SK120
Cleaning width.....	1,150-1,220 mm
Ground clearance below brush.....	420 mm
Brush diameter.....	550 mm
Weight of Snow Sweeper.....	104 kg
Number of brush rings.....	24 stk
Number of skewed brush rings.....	2 stk
Number of spacer rings.....	22 stk
Sweeping capacity approx.....	ca. 10-12,000 m ² /time

Attention

Specifications may change without prior notice.

Operator's manual

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2.1 Assembly / Disassembly

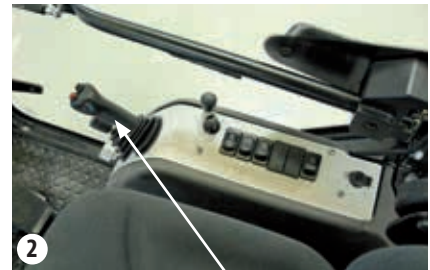
1. The locking handle on the A-frame of the basic machine must be in the unlocked position. (Picture 1)
2. Drive the basic machine right up to the A-frame of the Snow Sweeper, so the A-frames fit into each other.
3. Raise the A-frame by pulling the joystick back until the Snow Sweeper is suspended and free of the ground. (Picture 2)
4. Stop the machine.
5. Lock the Snow Sweeper 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.
6. Step down on the support strut and swivel it to the machine's front wheel, until it falls into place. (Picture 4)

Disassembly

Follow the procedure for fitting in the reverse order.



Locking handle



Joystick



Locking the attachment



Swivel support strut

Operator's manual

2.2 Before start-up

Transport

The transport lock 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)



Transport lock – locked

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)



Transport lock – unlocked

2.3 Start-up

1. Start the machine.
2. Lower the Snow Sweeper by moving the joystick down. (Picture 3)
3. Activate the weight distribution with the red button on the joystick. (Picture 3) The Snow Sweeper will now follow the terrain perfectly. To adjust the weight distribution read the operator's manual for the basic Egholm 2200 machine.
4. Start the Snow Sweeper by activating the PTO-front. (Picture 3)

If the Snow Sweeper has a directional valve fitted, the sweeping direction can be reversed. Very useful in tight spaces where the machine cannot turn. This is done by tilting the front PTO to the right. (Picture 3)

5. Turn the Snow Sweeper by moving the joystick to the left or to the right. The Snow Sweeper swings in the same direction as the joystick. (Picture 3)



Weight distribution Joystick PTO-front

2.2 Before start-up - continued



Warning!

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

The Snow Sweeper swings to the side when the joystick is moved left or right. Make sure that no one is standing near 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.

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 Snow Sweeper with water when it is no longer required for use. Avoid high pressure cleaning of the snap couplings.

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



1 Clean the couplings with a cloth.

3.2 Maintenance

Replacing the brush rings

1. Remove the flange that holds the brush rings by unscrewing the three bolts that hold the flange. (Picture 2)

2. Take all the brush rings and spacer rings off the brush axle. (Picture 3)

3. Mount a skewed brush ring on the brush axle with an incline towards the end of the axle.

4. Then place all brush rings, each followed by a spacer ring, on the brush axle.

5. Finally, mount a straight brush ring.

6. Refit the flange.

New brush rings can be ordered from an authorised Egholm distributor.



2 Disassembling the flange Bolt



3 Brush ring Spacer ring

Conditions

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4.1 Warranty

The warranty period for the materials and manufacture of the Snow Sweeper 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 the 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 equipment caused by operating errors, negligence, 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, wrongfully performed maintenance or lack of the same, consequential damages or other causes over which Egholm A/S has no control.

Conditions

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 Snow Sweeper comes to the end of its working life, it should be disposed of in a responsible manner and in compliance with the 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 dispose of.
3. After the parts mentioned have been removed, the machine is ready to be handed over to an approved scrap merchant.

Spare parts

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Spare parts

5.1 Spare parts - City Ranger 2200 Snow Sweeper



01109000 Spacer ring



90501911 Set of brush rings



09701390 Wheel for support strut



09722670 Rubber guard

Honest Work.

Egholm A/S
Transportvej 27
7620 Lemvig, Denmark
T.: +45 97 81 12 05
www.egholm.eu - info@egholm.dk