

# *OPERATOR'S MANUAL*

## *Tipping Shovel*



# Introduction

*Dear Customer*

**Thank you for buying an Egholm product.**

The Egholm 2100 is a Danish designed and manufactured product which offers a very flexible way of maintaining outdoor areas.

**Get the optimal use of your Egholm Tipping Shovel:**

To ensure the optimal performance of your Egholm Tipping Shovel, 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 Tipping Shovel 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 Section 1.1 Safety. The machine must only be serviced by professionals.

The Tipping Shovel is intended for professional use only. On delivery, the user will receive thorough training to 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 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 the Egholm policy to make continuous improvements, we reserve the right to alter the specifications and equipment at any time without notice. Egholm Maskiner 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 Maskiner A/S.

Best regards  
Egholm Maskiner A/S - Transportvej 27 - DK - 7620 Lemvig  
Tel: (+45) 97 81 12 05 - Fax: (+45) 97 81 12 10  
e-mail: egholm@egholm.dk - www.egholm.dk

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## 1. General information

The Tipping Shovel makes light work of transporting gravel, sand or mould and saves the operator many lifts during the working day. 100 kg is easily transported from one place to another - even on the narrowest paths.

The hydraulic tipping function is easy to work with and perfect when, for example, the load has to be tipped over an obstacle such as sandpit edges or low hedges.

And now the load can be spread even while tipping. The layer is levelled with the shovel edge, giving a finished result.

The Tipping Shovel is a robust steel construction which can perform many tasks other than shovelling, such as scraping grass edges of paths with firm surfaces.

# 1. 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.



**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)



**Avoid crushing fingers**

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



Keep your hands and fingers away from the Tipping Shovel when it is in use as 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)



**Reduction of noise and energy consumption:**

It is recommended not to drive with a higher engine speed than necessary, to reduce the noise and the energy consumption.

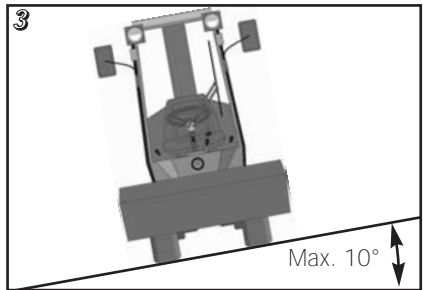
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Prevent people from standing in the working area.



Warning!



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

# 1. General information

## 1.2 EC Declaration of Conformity for Machinery

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

**hereby declares that**

- Machine: Tipping Shovel    Type: VS200  
  Serial no.: \_\_\_\_\_   Year: \_\_\_\_\_
  
- has been manufactured in conformity with the provisions of the Machinery Directive, Directive 98/37/EU

**The Egholm 2100 fitted with the cab FH 2100 (ROPS approved)**

- has been tested at the Danish Institute of Agricultural Sciences at Bygholm in conformity with directive 86/298/EEC concerning rear mounted, roll-over protection structures of narrow-track wheeled agricultural and forestry tractors.

Place: Lemvig

Date: \_\_\_\_\_

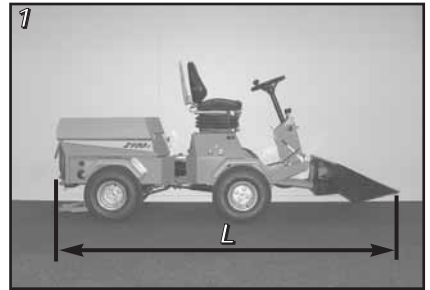
Signature: Kaj Egholm  
                  Kaj Egholm, MD

# 1. General information

## 1.3 Technical data

### Dimensions:

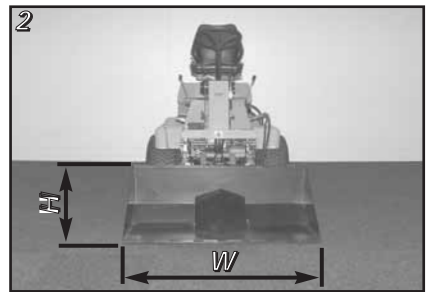
	Assembled:	Storage dimensions:
Length (L):	2,790 mm	670 mm
Width (W):	1,020 mm	1,020 mm
Height without cab (H):	330 mm	330 mm
Height with cab:	1,935 mm	



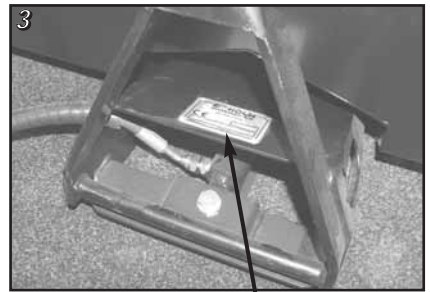
Side view

### Technical data:

Type description:	VS200
Own weight:	38 kg
Capacity of the Tipping Shovel:	65 litres
Lifting capacity:	100 kg
Ground clearance under shovel, raised:	480 mm



Front view



Location of model plate

### **N.B!**

Specifications may be changed without prior notice.

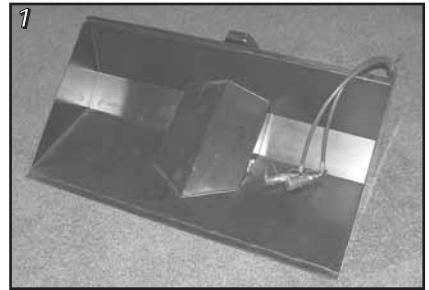
## 2. Instructions for use

### 2.1 Assembly / Disassembly

1. It is recommended that the hydraulic hoses should be run over the edge of the shovel blade to keep them clear and free from dirt when the Tipping Shovel is fitted. (Picture 1)
2. The locking handle on the A-frame of the machine must be in the open position. (Picture 2)
3. Drive the machine right up to the A-frame of the Tipping Shovel, so the A-frames fit into each other. (Picture 2)
4. Raise the A-frame with lever A on the left-hand side of the machine until the Tipping Shovel is freely suspended above the ground. (Picture 3)
5. Lock the Tipping Shovel in place with the locking handle on the A-frame. (Picture 2)
6. Stop the machine. (See the operator's manual for the basic machine, section 2.2)
7. Fit the hydraulic hoses on the B-connectors on the left-hand side of the machine. (Picture 3)
8. Attach the hydraulic hoses with the rubber strap under the running board to ensure it runs correctly over the screen. (Picture 4)

#### Disassembly:

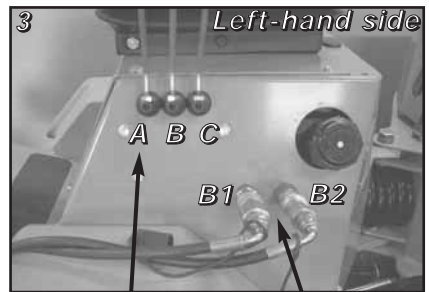
Follow the procedure for fitting in reverse order. Put the protective caps on the snap couplings to protect them from dirt.



Hydraulic hoses

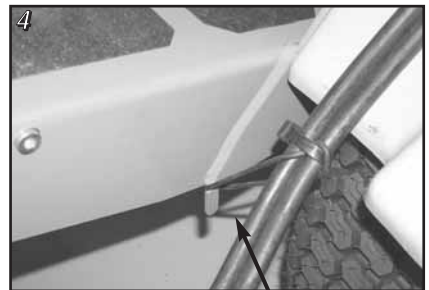


Locking handle on the A-frame - open



Lever A

B-connectors



The hoses are fastened with a rubber strap

## 2. Instructions for use

### 2.2 Before start-up

During transport, lock the Tipping Shovel in the raised position with the transport lock. (Picture 1)

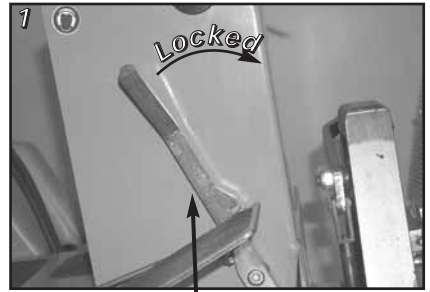
### 2.3 Start-up

#### Raising and lowering the Tipping Shovel:

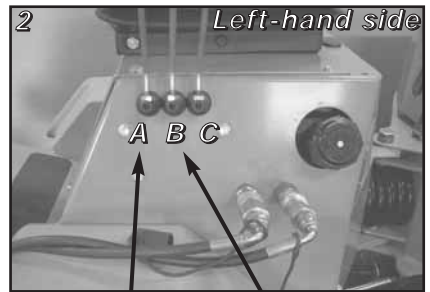
- Raise the Tipping Shovel by pushing lever A on the left-hand side of the machine up to position 1. (Picture 2)
- Lower the Tipping Shovel by pushing lever A on the left-hand side of the machine down to position 2. (Picture 2)

#### Tipping the shovel blade:

- Tip the shovel blade upwards by pushing lever B on the left-hand side of the machine up to position 1. (Picture 2)
- Tip the shovel blade downwards by pushing lever B on the left-hand side of the machine down to position 2. (Picture 2)

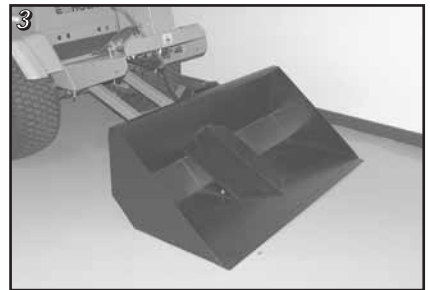


Transport lock

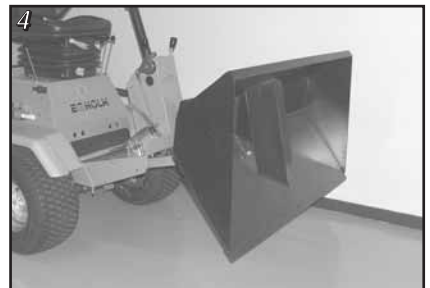


Lever A

Lever B



Shovel lowered



Shovel raised and tipped



#### **Warning!**

Make sure there is no one close to the machine when it is running.



#### **N.B!**

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



It is recommended *not* to drive with a higher engine speed than necessary, to reduce the noise and the energy consumption.



## ***3. Service and maintenance***

### ***3.1 Cleaning***

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

Clean the Tipping Shovel with clean water after use.

### ***3.2 Maintenance***

It is recommended that you regularly remove any loose paint and repaint any damaged areas.

# 4. Conditions

## 4.1 Warranty

The warranty period for the materials and manufacture of the Tipping Shovel is 12 months from the date of purchase.

In case of errors or defects on the machine within the warranty period, Egholm Maskiner A/S will carry out the necessary repairs without charge for materials and working hours in accordance with the terms and conditions listed below. The customer is to cover the costs for transportation for repair.

### ***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 guarantee.
- 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) Egholm Maskiner 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.
- 6) This warranty is valid for persons who have legally acquired the machine within the warranty period.

### ***The guarantee 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 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 Maskiner A/S has no control.

# 4. Conditions

## 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 to any complaints.

If there are questions that the distributor cannot answer, please do not hesitate to contact Egholm Maskiner A/S directly. Also feel free to contact us with suggestions or requests for special implements and/or features for the machine. We wish you many years of safe and satisfied use of your machine.

Best regards

Egholm Maskiner A/S - Transportvej 27 - DK - 7620 Lemvig, telephone: +45 97 81 12 05, fax: 97811210

## 4.3 Disposal

When - many years from now - your Tipping Shovel comes to the end of its working life, it should be disposed of in a responsible manner and conform 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 discard in a dustbin.
3. After the parts mentioned have been removed the tool is ready to be handed over to one of your local approved scrap merchants.

