# Rotary Cow Brush







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## Rotary cow brush

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## **GROUNDING PLUG** USE





Solution	Sause	Problem
Check fuse Plug in the wall socket	Mains not connected or no voltage Plug is removed from the wall socket	Brush does not turn
Clean shaft and brush	Brush mechanically blocked	
Contact with seller	Printed circuit board does not switch off	The hotiwe fon each deuta
Contact with seller Contact with seller Contact with seller	Flywheel loose Bearing or gearwheel problem Completely broken outgoing axle	Brush makes strange noise
See service news See service news	Broken Loctife connection Partly broken outgoing axle	nwob gnillst HederleunB

## **TROUBLESHOOTING**

Problem	Cause	Solution
Brush does not turn	Mains not connected or no voltage Plug is removed from the wall socket	Check fuse Plug in the wall socket
	Brush mechanically blocked	Clean shaft and brush
Brush does not switch off	Printed circuit board does not switch off	Contact with seller
Brush makes strange noise	Flywheel loose Bearing or gearwheel problem Completely broken outgoing axle	Contact with seller Contact with seller Contact with seller
Brushshaft falling down	Broken Loctite connection Partly broken outgoing axle	See service news See service news

#### WARNING!

To make the electric connection of the curry you need to require qualified support Avoid contact with water.

Avoid contact with water

Operation voltage of the curry is 220V Use a 3 amper fuse on the curry.

Use 1'25 A leakage relay.

Always use a grounded electrical outlet. Use grounded curry. Maximum height of the curry should be 240 em. After mounting, remove the safety bolt.





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Rotary cow brush

Note! Follow the safety precautions during maintenance work!

Note! Maintenance only to be executed by authorized persons.

- Disconnect the plug from the wall socket before starting maintenance work. For additional safety.

- Disconnect the plug from the wall socket before starting maintenance work. For additional safety, remove the fuse from the main switchboard.
   Clean the swinging cow brush carefully before starting maintenance.
   Always consult your dealer if you have any doubts.
   The following maintenance instructions are based on normal use. At intensive use or use at extreme circumstances the maintenance intervals should be shortened.

#### Regularly

#### Cleaning

The brush part should be cleaned regularly using a high pressure cleaner or similar. Always remove the brush part from the motor drive before cleaning, according to section Brush cylinder replacement.

Note! The motor unit is IP55 protected and does not withstand high pressure cleaning.

#### Weekly

- Check the gearbox for oil leakage
- If leaking please contact your seller dealer, the gear box should immediately be replaced.

#### Once a year

It is recommended that yearly do a service and change oil and brush cylinder on the swinging cow brush to maintain its performance.

To change oil, unscrew the oil plug and put the drive horizontal with the drain hole upwards and let the oil drain into a collecting container.

Put the drive horizontal with the drain hole up and refill with 150cm<sup>3</sup> of swinging cow brush gearbox oil, and then screw the plug back.

#### Brush cylinder replacement

The brush need to be replaced, under normal use, once a year or when it is worn out

- If the bolt is locked by Loctite: Heat it up gently with a gas burner and unscrew it.



Caution! Take care not to set fire to the bristles.

- Remove the bottom plate and the old brush cylinder.
- Fit the brush unit to the axle
- Re-fit the bottom plate and the bolt. With the upgraded bottom plate kit, no Loctite is needed.

10

Stay out of reach of the brush



Danger for a serious injury by jamming. Always pull out the plug from the wall socket before dismantling the protective cover and maintaining the driving device.

Warning!





ретмеел тап рал апа shaft. Danger for injuries if stuck



Warning!

Make sure that no one else, by accident or due to misunderstanding, re-plugs the plug in the wall socket during maintenance work wall socket. wake sure the plug is taken out from the

dots of shed lockout power supply, wait for all moving

Before maintenance work:

1. Read and understand all the information confained in the operator's manual regarding maintaining adjusting or cleaning the swinging cow brush.

2. Swifer off the machine, shut down and cockout bower supply.





usage situations to avoid injuries. Seller confinuously strives for improvement of Seller confinuously strives for improvement of our physical products and offierings. Seller reserves the right to alter the specifications shown without prior notice. Note that despite following these safety presentions, seution should be applied in all rasges situations to should be upplied in all rasges situations to savoid injuries. of the swinging cow brush or its accessories. with regard to seriest, we are interiented to optimize. Keep this user manual within the reach of the swinging own brush. This is not legally responsible for damage and indirect damage due to operating arons, lack which is not described in this manual. The responsibility of seller expires as soon as you or any third party, without written to the properties of the proper ike adjustments or extensions to the function Follow the instructions in this user manual with regards to safety, use and maintenance

starting operation. nount the swinging cow brush before Read the user's manual of the swinging cov brush in order to know how to position and

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## Attention !

Read the user's manual of the swinging cow brush in order to know how to position and mount the swinging cow brush before starting operation.

Follow the instructions in this user manual with regards to safety, use and maintenance with regards to safety, use and maintenance optimize. Keep this user manual within reach of the swinging cow brush. This is not legally responsible for damage and indirect damage due to operating errors, lack of correct maintenance and/or any way of use which is not described in this manual. The responsibility of seller expires as soon as you or any third party, without written agreement from seller, executes any operation like adjustments or extensions to the function of the swinging cow brush or its accessories. of the swinging cow brush or its accessories of the swinging countries or its accessories. Seller continuously strives for improvement of our physical products and offerings. Seller reserves the right to alter the specification shown without prior notice. Note that despite following these safety precautions, caution should be applied in all usage situations to avoid injuries.





Before maintenance work:

1. Read and understand all the information contained in the operator's manual regarding maintaining, adjusting or cleaning the swinging cow brush.

2. Switch off the machine, shut down and locked to we supply wait for all maying.

lockout power supply, wait for all moving

parts to stop.

Make sure the plug is taken out from the wall socket.

Make sure that no one else, by accident or due to misunderstanding, re-plugs the plug in the wall socket during maintenance work

#### Warning!



Danger for injuries if stuck between main part and shaft.





#### Warning!

Danger for a serious injury by jamming. Always pull out the plug from the wall socket before dismantling the protective cover and maintaining the driving device.



Stay out of reach of the brush

3

Re-fit the bottom plate and the bolt. With the upgraded bottom plate kit, no Loctite is needed.

Remove the bottom plate and the old brush cylinder. Fit the brush unit to the axle.

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Note! Maintenance only to be executed by authorized persons.

Note! Follow the safety precautions during maintenance work!

#### **SAFETY PRECAUTIONS**



Danger for shortcuts. The electric connection must correspond to specification on the type plate. Cable diameter, safety fuse, earth connection etc. shall be in accordance with local requirements and be done by an authorized electrician.



Make sure other operators are informed about the safety precautions as well as installing



Loose hanging clothes should not be used when being close to the brush. Long hair should be protected.



Keep children away from the swinging cow brush





The swinging cow brush may not be used by cows with longer hair than 5 cm (including tail hair). Hair length should be measured in all directions from the body and tail, see picture.



Using products which do not meet specified requirements, for example spare parts or fluids, or not appropriately trained personnel for your this product may void or limit the warranty

Note! Take care that all warnings stickers are clearly visible. If they are not legible, they should be replaced

Note! The swinging cow brush may only be used for the purpose it is meant for, as described in chapter: General description.

The built in automatic stop function has a delayed stop which makes the brush rotate 10 seconds after it has reached its vertical mosition.

Switch off

Switch the brush on by installing the m supply. The brush is now ready for use

Switch on

Warning: Before carrying out any kind of operation, read the chapter "Safety precautions" carefully.



### Operation

5. About a week after mounting the fixation should be controlled.

4. Fix the nuts carefully. Make sure that it shall not be possible to turn the swinging cow brush around the post.

the brush (see Wall installation). 3. The height of the swinging cow brush is depending on the shoulder height of the cattle, average 100-115 cm (h) above the floor measured from the underside of the floor measured floor the short people installing.

Determine the height of the wall mounting bracket before fixation.

1. Mount the swinging cow brush with the original fixation U-brackets including nuts.

Note! Preferably use a round steel post with a diameter of 10 cm (4"). The bar should be anchored at the top and bottom.

Post installation



#### **SAFETY PRECAUTIONS**



#### Post installation

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#### Switch off

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#### Wall installation

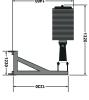
Note! The wall must be sufficiently strong It should be comparable with a reinforced concrete wall.

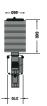
For two persons working together, installation takes approximately 1 1/2 hour using a ladder and a rope (providing electricity connection is available). Use the provided mounting stencil as reference when mounting the brush on the wall.

- Make sure that the wall is good enough for a stable installation of the swinging cow brush on a wall.
- 2. Determine the position where the wall mounting bracket should be installed. For correct measurements, use the separate mounting stencil provided with the brush.
- Determine the height of the wall mounting bracket before fixation.
- 4. The height of the swinging cow brush is depending on the shoulder height of the cattle, average 100-115 cm (h) above the floor measured from the underside of the brush (see picture).
- 5. Mark the position of the four fixation holes on the wall, using the separate mounting stencil as reference.
- 6. Drill the 4 holes, dimensions 12 mm.
- 7. Mount the swinging cow brush by means of thread ends. Use thread ends of sufficient length. The thread ends should have a length length of the thickness of the wall plus ca. 70 mm.
- 8. Put the thread ends in the drilled holes and mount the swinging cow brush
- 9. Remove the swing protection plates (see picture in section Transport).

Note! About a week after mounting, the fixation should be controlled.







### TECHNICAL SPECIFICATIONS

I ake technical support from our company.

- If there is a link between electronic circuits with electricity.

   Dislodge inte electronic circuit

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   Give a direct way (connection) to electronic motor

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- Check the electricity of the curry Take a support from a qualified person in case of any trouble

### IN CASE OF TROUBLE MATTERS THAT ARE CONSIDERED TO BE

After mounting the swinging cow brush connect the mains supply and the swinging cow brush is ready for operation. As soon as the cow pushes the brush, the brush starts automatically. When the cow leaves the brush it will stop after approximately 10 seconds.

Note! The swinging cow brush may only be used for above mentioned application. Any other application is strictly prohibited.

(including tall hair). For more information see under chapter Safety precautions. The swinging cow brush should not be used by animals with longer hair than 5 cm

• The swinging cow brush is suitable for dairy cows over 1 year old.

Note! Outdoor installation might cause shortcuts in electric installation.

The swinging cow brush is not watertight and should be used indoors or under well protected

b) Post installation, for post diameters 2"-2.5", 3"-3.5" and 4".

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#### MATTERS THAT ARE CONSIDERED TO BE IN CASE OF TROUBLE

Check the electricity of the curry Take a support from a qualified person in case of any trouble If there is a link between electronic circuits with electricity;

- If there is a link between electronic circuits with electricity;

   Switch off the electricity of the curry

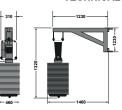
   Dislodge the electronic circuit

   Give a direct way (connection) to electronic motor

   If the electronic motor is on operation, then, the electronic circuit is broken.

   Take technical support from our company.

#### **TECHNICAL SPECIFICATIONS**



0,18 kW 220 V / 50 hz 11 A 1340 rev/mir 55 kg Ø: 46 cm, H: 66 cm



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Note! About a week after mounting, the fixation should be controlled.

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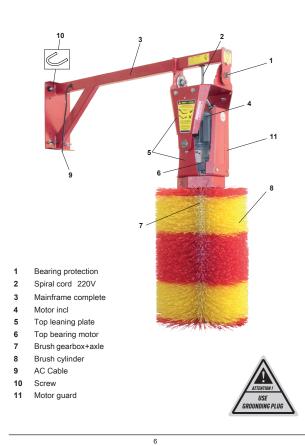
provided mounting stencil as reference wall. For two persons working together, installation takes approximately 1 1/2 hour using a ladder and a rope (providing electricity connection is available). Use the

Note! The wall must be sufficiently strong. It should be comparable with a reinforced concrete wall.

Wall installation



**PRODUCT DATA INSTALLATION** 



#### General

- 1. Installation must be performed by an authorized electrician.
- 2. Make sure the electrical connection fulfills the general and local requirements (Low voltage directive 2014/35/EU and that it is within reach from the brush.
- After installation, check that the swinging cow brush runs smoothly. If not, switch off the mains connection immediately.

#### Transport

The brush is packed in a box and mounted on a pallet to protect the product during transport. For transportation and installation safely reasons two swing protection plates are mounted to the unit during transport, see picture.

**Note!** These protection plates should be kept during installation but removed before brush is started.

The weight of the complete brush including pallets is 58 kg (brush alone 35 kg). Use an elevator to move and lift the unit.

#### Unpacking and assembling

- 1. Open the packaging.
- 2. Mount the swinging cow brush as required required according to the instructions.

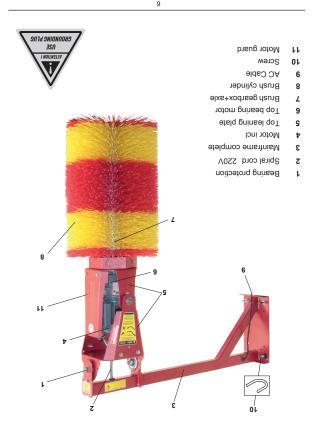
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**NOITALLATION** 

**АТА** ТЭИООЯЧ