

# User Manual and Parts List Easy Core



## Easy-Core

Translation of the original operating instructions



1924 English 917.120.000

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## PREFACE

Congratulations with your Easy Core purchase. For the safe and prolonged operation of this Easy Core, it is necessary to (have) read and understand this user manual.

Without the complete knowledge of the contents, you cannot operate this machine safely.

On the following page, the general safety instructions will be discussed first. Every user should know and follow these. After this, a registration card is included, which should be returned by mail, in order to be able to handle any future claims.

In this user manual, many instructions are in numerical order.

You should follow this order when taking any actions. Where the  symbol appears, it indicates safety instructions. Where the  symbol is used, it indicates a hint and/or note.

## GUARANTEE PROVISIONS

THIS EASY CORE IS SUPPLIED WITH A GUARANTEE AGAINST MATERIAL DEFECTS. THIS GUARANTEE IS VALID FOR A PERIOD OF 12 MONTHS FROM THE DATE OF PURCHASE.

EASY CORE GUARANTEES ARE SUBJECT TO THE "GENERAL CONDITIONS FOR SUPPLY OF PLANT AND MACHINERY FOR EXPORT, NUMBER 188", WHICH ARE PUBLISHED UNDER THE AUSPICES OF THE UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE.

All information and technical specifications provided at the moment that this document is published are the most recent ones. Design specifications may be changed without prior notice.

This document is a translation of the original operating instructions. Upon request, the original operating instructions are available in Dutch.

## REGISTRATION CARD

Please fill in the form below for your own reference:

Serial number of machine	
Dealer name	
Purchase date	
Remarks	

## ! SAFETY REGULATIONS !

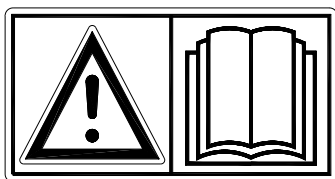


Fig.1

The Easy Core is designed for safe use. This is only possible if the safety instructions as described in this manual are observed in full.  
Please read and understand (Fig.1) the manual before you start using the Easy Core.  
If the machine is not used, as described in the manual, personal injury and/or damage to the Easy Core may occur.

- 1) When using the machine, the operator should be skilled.  
The manufacturer does not accept any responsibility for incompetent use and the damage resulting from this; all risks that occur under such circumstances are the sole responsibility of the user.  
Incompetent use also includes not following the instructions for use, maintenance and repair as prescribed by the manufacturer.

Before using the Easy Core, please inspect the area to be treated.  
Remove loose obstacles and avoid irregularities.

- 2) The Easy Core is manufactured in accordance with the latest technological knowledge, and can be used safely.  
If the machine is used, maintained or repaired by incompetent persons, injury to both the user and third parties may occur.  
**This should be avoided!**
- 3) Any person appointed by the owner to operate, maintain or repair the Easy Core must have read and fully understood the user manual and especially the Chapter **Safety Regulations**.

The user is responsible for the safe use of the **Easy Core**.

- 4) The user is **obliged to check for any visible damage or defects**, before he/ she uses the Easy Core.  
Modifications to the Easy Core (including its operation) that adversely affect the safety must be immediately remedied.  
Any modifications or additions to the Easy Core (except for those approved by the manufacturer) are in principle prohibited because of safety considerations.

If **modifications** have been carried out to the Easy Core, the current CE marking will no longer be valid, and the person who carried out the modifications must **personally** take care of a new **CE marking**.

Check the Easy Core, before every operation, for loose bolts/ nuts/ parts.

If present, regularly check the hydraulic hoses and replace them if they are damaged or show signs of ageing. The replacement hoses must comply with the technical requirements of the manufacturer.

If present, the hydraulic unit must **always** be made pressure-free, before activities are carried out on it.

If the protective covers and safety stickers are absent, the Easy Core must **NEVER** be used.

**NEVER** crawl under the Easy Core.

If necessary, you can tilt the Easy Core.

During maintenance, set up and repairs it is necessary to secure the Easy Core against sinking/ driving off/ slipping away.

Always switch off the engine and disconnect the spark plug cable from the spark plug during maintenance, set up and repairs. (Fig.2)

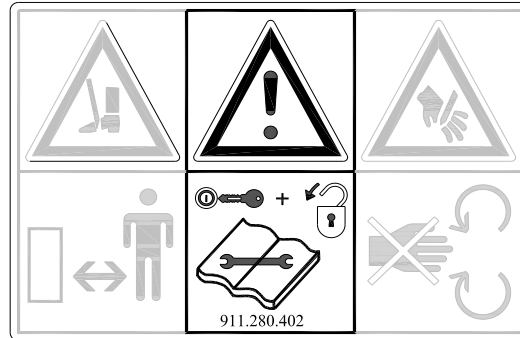


Fig.2

Only use original Easy Core parts for maintenance and repair, to ensure the safety of the machine and the operator.

Repair activities on the Easy Core may only be carried out by authorised technical staff.

Please keep a summary of the repairs.

- 5) Apart from the instructions in this user manual, the generally applicable, as well as the Occupational Health and Safety Act, provisions must also be obeyed.

When the machine is used on the public road, the applicable provisions of the traffic regulations also apply.

The transport of people is not allowed!

Do not use the Easy Core in the dark, during heavy rain/storm or on slopes with a gradient exceeding 15 degrees.

- 6) Before starting the activities, all persons who will operate the Easy Core must be informed of all the functions and operating elements thereof.

On the back of the Easy Core 104 and on the back and side board of the Easy Core 108, safety stickers are attached with an identical meaning. These safety stickers must always be clearly visible and readable, and must be replaced if damaged.

During operation, **NO persons without the proper personal protection may be present in the danger area** of the Easy Core, since there is danger of personal injury resulting from moving parts. (Fig.4)

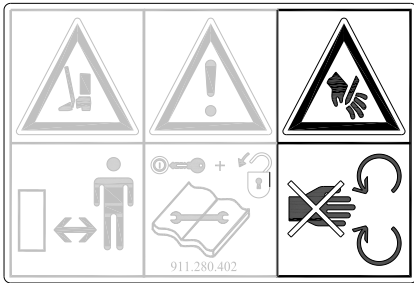


Fig.4

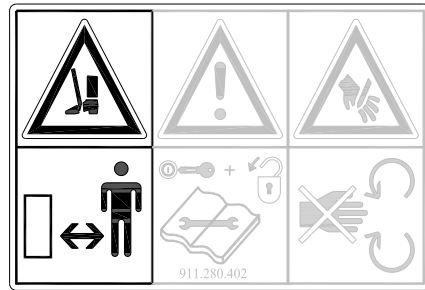


Fig.5

**For bystanders without personal protective gear: please keep a minimum distance of 4 metres!** (Fig.5)

Be dressed correctly. Wear sturdy shoes with a steel toecap, long trousers, tie up long hair, and do not wear loose clothing.

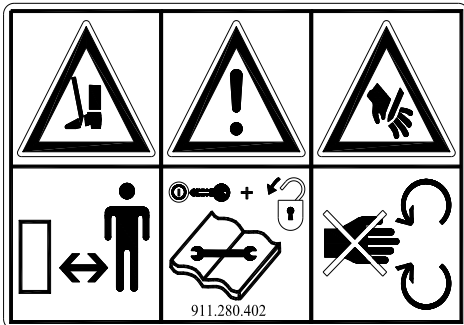
Use the correct personal protective gear in accordance with the applicable Occupational Health and Safety Act and safety provisions.



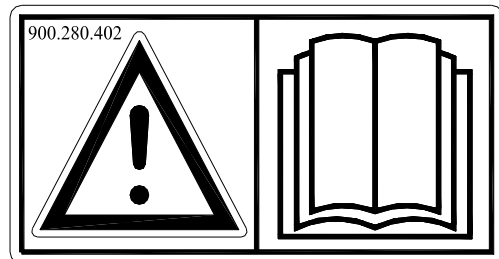
Fig.6

**Use certified hearing protection when using the machine!** (Fig.6)

7) Safety and indication stickers



911.280.402



900.280.402



911.340.410



E3100356



E3100357

Description of stickers	
911.280.402	Safety sticker concerning the use of machine
900.280.402	Safety sticker concerning reading the manual
911.340.410	Safety sticker concerning wearing hearing protection
E3100356	Pull to engage tines
E3100357	Forward to lower tines, back to raise tines

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## 1.0 TECHNICAL DATA

Model	104	108
Engine	BUS 5.5 HP	Honda 5 HP
Operating width	360 mm (14.2")	520 mm (20.5")
Operating depth, up to	70 mm (2 3/4")	70 mm (2 3/4")
Hole distance	90 x 150 mm (3 5/8" x 6")	65 x 170 mm (2 1/4" x 7")
Capacity, up to	2043 m <sup>2</sup> /h (21990 ft <sup>2</sup> /h)	2550 m <sup>2</sup> /h (27448 ft <sup>2</sup> /h)
Number of pins	4	8
Standard hollow pin	22 x 16 x 70 mm (7/8" x 5/8" x 2 3/4")	22 x 16 x 70 mm (7/8" x 5/8" x 2 3/4")
Optional hollow pin	16 x 9.5 x 70 mm (5/8" x 3/8" x 2 3/4")	16 x 9.5 x 70 mm (5/8" x 3/8" x 2 3/4")
Optional massive pins	9.5 x 70 mm (3/8" x 2 3/4") 22 x 70 mm (7/8" x 2 3/4")	9.5 x 70 mm (3/8" x 2 3/4") 22 x 70 mm (7/8" x 2 3/4")
Operating dimensions	1450 x 650 x 1000 mm (57" x 25.6" x 39.4")	1600 x 800 x 950 mm (63" x 31.5" x 37.4")
Weight	118 kg (260 lbs)	157 kg (346 lbs)
Shipping dimensions	1080 x 710 x 660 mm (42.5" x 30.3" x 26")	1080 x 860 x 660 mm (42.5" x 33.9" x 26")
Shipping weight	124 kg (273 lbs)	168 kg (370 lbs)
Noise emissions measured in working position (A- weighted measurement in accordance with EN-ISO 5395-1: 2013; EN-ISO 4871: 2009)	83 dB(A) (K=2.0)	82 dB(A) (K=2.0)
Hand arm vibration emission (Measurement in accordance with EN-ISO 5395-1: 2013; EN 12096: 1997)	10.24m/s <sup>2</sup>	.6g (6.28 m/s <sup>2</sup> )



# 2.0 ASSEMBLY INSTRUCTIONS

## EASY CORE 104

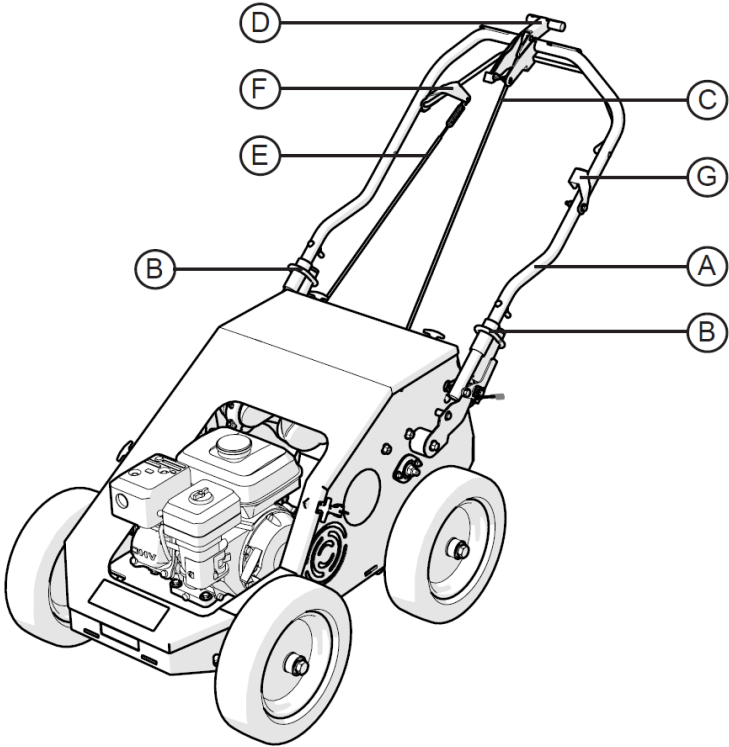


Fig.7

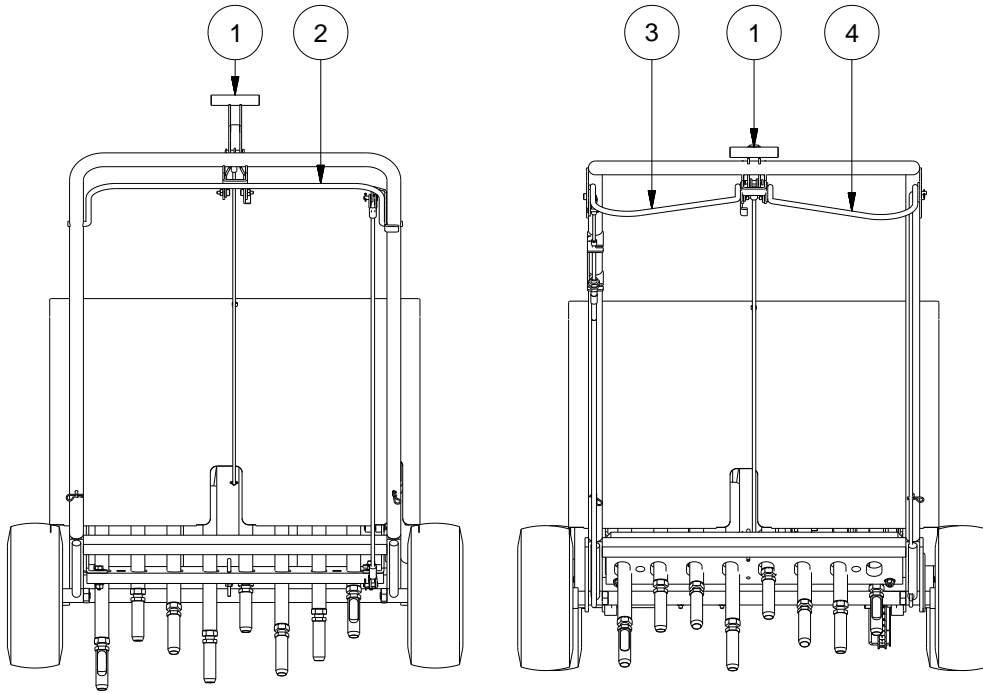
1. **UNFOLD** the upper handle (A, Fig.7) and slide handle lock loops (B, Figure X) into place to secure the upper handle to the lower.
2. **ATTACH** the tine lift cable (C, Fig.7) to the tine lever (D, Fig.7) in the center of the handle by inserting the pin into it. Then attach the bail cable (E, Fig.7) to the bail (F, Fig.7). Check to make sure the cables are functioning properly before operation and not binding.
3. **CHECK** engine oil level and fill to proper level. Also check oil in gear reduction reservoir and fill if necessary. See engine owner's manual for type and amount of oil to use.
4. **CONNECT** spark plug wire. Set the engine stop switch (G, Fig.7) to the ON position.

## **EASY CORE 108**

**NOTE:** Items in ( ) can be referenced in the Parts Illustration and Parts List

1. **REMOVE** the two bolts and nuts from the hardware bag (item 4 and 38).
2. **ATTACH** the upper handle (item 73) into the side braces with the hardware (items 4 and 38). **NOTE:** The bail should be facing downward.
3. **ATTACH** the tine lift cable (item 16) to the Tine lever (item 30) upper hole on the handle by inserting the pin (item 40) into it in the hole closest to the end of the handle. Retain with pin (item 55).
4. **ATTACH** the bail cable (item 54) to the bracket on the handle (item 74) by sandwiching the two nuts on the bracket and tightening. Install cable adjuster (item 52) by threading it on the end of the cable until thread begins to show. **NOTE:** Protruding portion of the threaded adjuster must be facing the operator when installed. Check to make sure the cables are functioning properly before operation and not binding. If adjustments are needed for belt tension on the bail cable, loosen the nuts and move the sandwiching position up or down for the desired tension. **NOTE:** if the tension is too loose the tines will not engage and if it is too tight premature wear could happen to the belt.
5. **CHECK** engine oil level and fill to proper level. Also check oil in gear reduction reservoir and fill if necessary. See engine owner's manual for type and amount of oil to use.
6. **SET** the engine stop switch, located on upper handle, to the ON position.

### 3.0 USER MANUAL



**Lower handle:** The lower handle (2) operates the idler for the drive V-belts. Pull the handle up to switch on. The handle should be kept pulled up to operate the machine. If it is released, the forward motion will stop. If the handle does not shoot back, when released, please contact the manufacturer or the dealer to remedy this, since it is very important for your safety.

**Central handle:** The central handle (1) ensures that the aeration mechanism of the Easy Core is moved forward into operating position. Move the handle forward. The aeration mechanism will automatically place itself in the correct position.

**Aerating:** Pull the lower handle (2) up and keep it tight. Then move the central handle (1) forward and let the aeration mechanism move itself into the operating position. Do not push the machine as soon as it starts operating; due to the movement of the pins it will start to drive forwards.

With the Easy Core 208, the right handle (4) ensures that the drive for the V-belts is switched on. During aeration, the machine is moved forwards hydraulically by operating the left handle (3). To stop the aeration, you release both handles (3 & 4).

**Stop:** Release the lower handle, to stop. It will automatically shoot back and switch off the idler. Pull back the central handle to pull the aeration mechanism out of the soil. Switch off the engine, if the machine is not be used any more.

**Removing the cover:** To remove the cover, the rubber closures must be disconnected. To mount the cover again, you should follow the same procedure in the reverse order.

**Use under cold conditions:** Switch the aeration mechanism to the “upward” position for at least two minutes, to warm the grease.

## 4.0 EU DECLARATION



We,

**Redexim BV  
Utrechtseweg 127  
3702 AC Zeist, Holland**

declare entirely under our own responsibility that the product:

**EASY CORE WITH MACHINE NUMBER AS INDICATED ON THE MACHINE AS WELL AS  
IN THIS MANUAL,**

to which this declaration relates is according to the stipulation of the 2006/42/EC directive for machines and EN-ISO 5395-1:2013.

Zeist, 17-06-2019

A handwritten signature in blue ink, appearing to be 'A.C. Bos', written over a light blue rectangular background.

A.C. Bos  
Manager Operations & Logistics  
Redexim Holland

## 4.0 MAINTENANCE

Model	Time frame	Check point / lubricating point	Method
104 108		engine/oil filter	Please follow the instructions from the engine manufacturer, however, change oil and/or filters at least once a year
	Before each operation	<ul style="list-style-type: none"> <li>- Check for loose bolts / nuts</li> <li>- Presence and readability of the safety stickers</li> </ul>	<ul style="list-style-type: none"> <li>- Tighten the loose bolts / nuts</li> <li>- Replace them if not present / damaged</li> </ul>
	After each 10 hours of operation	<ul style="list-style-type: none"> <li>- Check the tension of the V-belt</li> <li>- Check for loose bolts / nuts</li> <li>- Lubricate cam bearings (Fig.9).</li> </ul>	<ul style="list-style-type: none"> <li>- Adjust the tension of the V-belt if necessary</li> <li>- Tighten the loose bolts / nuts</li> <li>- 2 shots of EP2</li> </ul>
	After every 100 hours of operation or annually	<ul style="list-style-type: none"> <li>- Check for loose bolts / nuts</li> <li>- Check the roll bearings and the drive line</li> <li>- Check the tension / wear of the V-belt</li> <li>- Lubricate spindle and wheel bearings</li> </ul>	<ul style="list-style-type: none"> <li>- Tighten the loose bolts / nuts</li> <li>- Replace these parts if necessary</li> <li>- Adjust the tension of the V-belt if necessary</li> <li>- Or replace the V-belt if necessary</li> <li>- 2 shots of EP2</li> </ul>

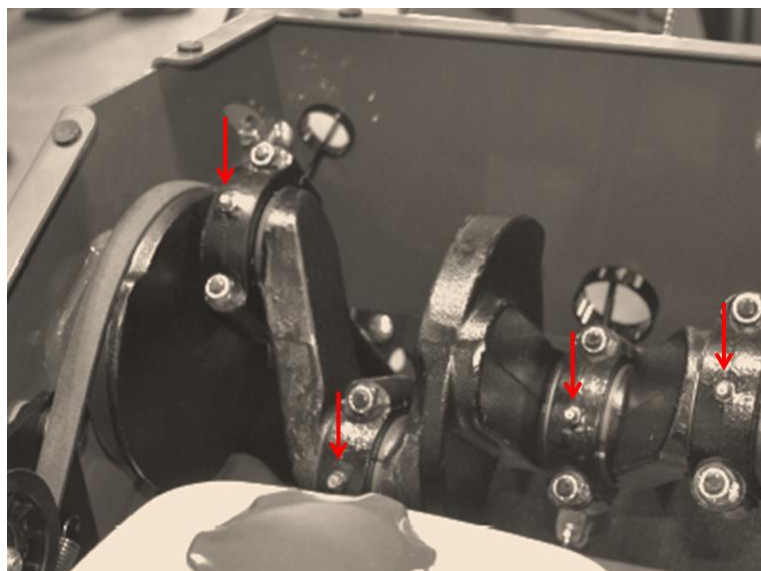


Fig.9

## **GENERAL REMARKS ON MAINTENANCE**

**Tightening the V-belts:** Tighten the V-belts by using the adjustment holes inside the rotating handle of the coupling. It should only be necessary to move it to the next hole. Do not over tighten the belts. This could result in a too great a load on the engine's spindle bearings. The V-belts are sufficiently tight when they do not slip during the operating cycle.

**Tightening the chain (Easy Core 116 only):** Tighten the chain tension by using the holes inside the engine plate. Do not over tighten the chain. This could result in a too great a load on the engine's gearbox bearings. The chain is tight enough if it is not slack during the operating cycle.

**Pins:** These are adjustable, but the maximum adjustment course is the thickness of the adjustment nut, around 6.5 mm (1/4"). The openings of the pins must always be pointed to the rear of the machine. The pins can be replaced by loosening the adjustment nut and subsequently loosening the pin. Now mount the new pin with the adjustment nut. Mount the pin, by as many thread windings as possible, into the pin holder. Now tighten the adjustment nut against the pin holder.



**For the maintenance of the engine, see the supplied manual of the engine.**