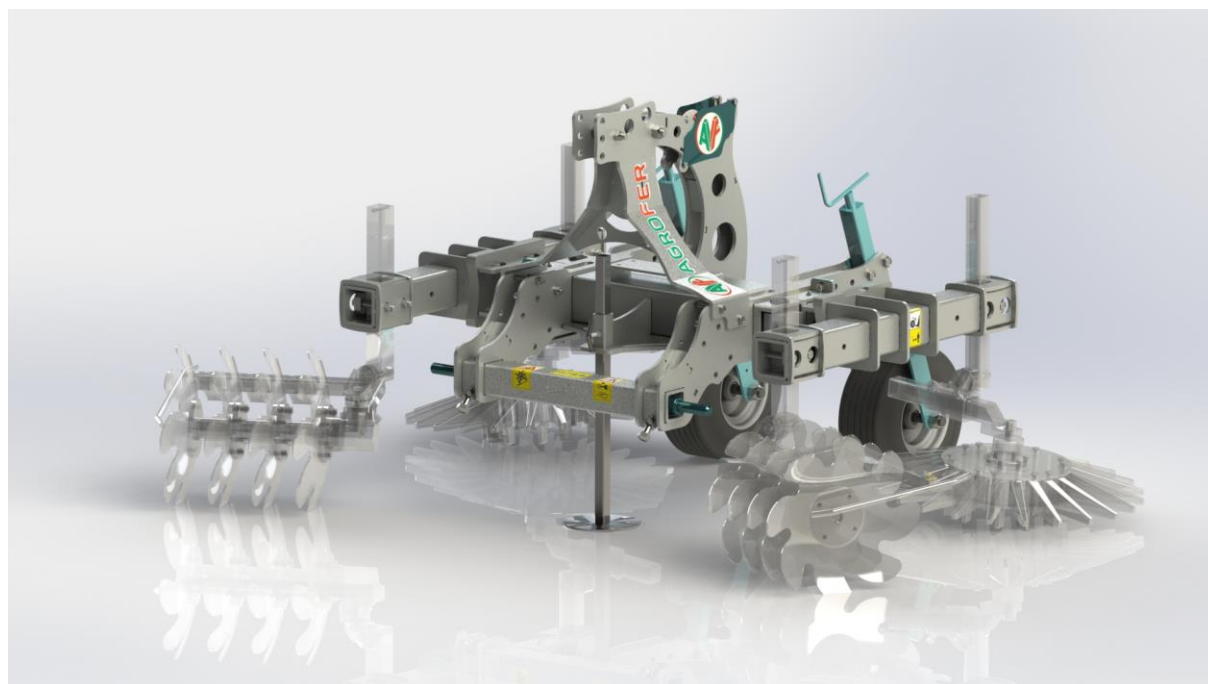


# Switch



**AGROFER SRL**

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*Dear Customer,*

*The company AGROFER s.r.l. by thanking you for the preference granted by purchasing this machine, reminds you that for the good functioning of this product, despite being built according to modern technologies and being subjected to strict testing, it is necessary to comply with some simple precautions during use and to follow an appropriate maintenance program. For this purpose, we advise you to carefully read this manual containing the technical standards you need.*

*In case of multifunctions after delivery, we recommend you to contact our customer service directly, quoting the data that can be detected by the product identification plate.*

*The legal representative*

## *CONTENTS*

<b>1. GENERAL INFORMATION</b>	<b>5</b>
1.1 Warnings	Errore. Il segnalibro non è definito.
1.2 Importance of the manual	<b>6</b>
1.3 Warranty	Errore. Il segnalibro non è definito.
1.4 Spare parts request and order methods	Errore. Il segnalibro non è definito.
<b>2. SAFETY SIGNALS AND GENERAL WARNINGS</b>	<b>10</b>
2.1 SYMBOLS: Meaning and Use	<b>10</b>
2.2 General warnings	Errore. Il segnalibro non è definito.
<b>3. TRANSPORT</b>	<b>12</b>
3.1 Safety norms for machines or components transport	Errore. Il segnalibro non è definito.
3.2 Packaging	Errore. Il segnalibro non è definito.
<b>4. LIFTING</b>	<b>ERRORE. IL SEGNALIBRO NON È DEFINITO.</b>
<b>5. EXTENDED STORING</b>	<b>ERRORE. IL SEGNALIBRO NON È DEFINITO.</b>
<b>6. SWITCH IDENTIFICATION</b>	<b>16</b>
<b>7. INSTALLATION</b>	<b>17</b>
7.1 General warning	Errore. Il segnalibro non è definito.
<b>8. MACHINE DESCRIPTION</b>	<b>ERRORE. IL SEGNALIBRO NON È DEFINITO.</b>
8.1 General notes	Errore. Il segnalibro non è definito.
8.2 Typologies	<b>18</b>

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8.2.1	T 40 E Model	19
8.2.2	Switch System BIO DX Model	21
8.2.3	Switch System BIO DX - SX Model	23
8.2.4	Switch System BIO DX – SX GIGANTE Model	25
8.2.5	Switch GREEN DX (Electronic) Model	27
8.2.6	Switch GREEN DX – SX (Electronic) Model	29
8.2.7	Switch ONE DX Electronic Model	31
8.2.8	Switch DUAL DX – SX Electronic Model	33
<b>9.</b>	<b>LUBRIFICANTS</b>	<b>35</b>
	<b>TAMHYDRO HVI 46 OIL (OR EQUIVALENT)</b>	<b>35</b>
	<b>TAMLIGHT GREASE 2 GREASE (OR EQUIVALENT)</b>	<b>35</b>
<b>10.</b>	<b>WASTE MATERIALS DISPOSAL DURING OPERATIONS OF MAINTENANCE</b>	<b>ERRORE. IL SEGNA LIBRO NON È DEFINITO.</b>
10.1	Lubrificant oils	Errore. Il segnalibro non è definito.
10.2	Material demolition, separation and disposal	Errore. Il segnalibro non è definito.
10.3	Correct disposal of electrical and electronic materials	36
<b>11.</b>	<b>ANTI-HARDSHIP NORMS</b>	<b>ERRORE. IL SEGNA LIBRO NON È DEFINITO.</b>
11.1	Supervision, test and instruction	Errore. Il segnalibro non è definito.
<b>12.</b>	<b>SAFETY SIGNAL PLACEMENT</b>	<b>ERRORE. IL SEGNA LIBRO NON È DEFINITO.</b>
<b>13.</b>	<b>DECLARATION OF CONFORMITY</b>	<b>ERRORE. IL SEGNA LIBRO NON È DEFINITO.</b>

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## **1. GENERAL INFORMATION**

### **1.1 Warnings**

This manual of instructions is strictly reserved to *AGROFER s.r.l.*'s customers.

The information of this manual might change without notice and does not represent a commitment for *AGROFER s.r.l.*.

The documents given with the machine, this manual included, are property of *AGROFER s.r.l.* on which reserves all the rights. It is forbidden to reproduce and publish in any manner (registration of copy included) this manual or parts of it and the attachments as well without the permission of *AGROFER s.r.l.*

*AGROFER s.r.l.* does not assume any responsibility for eventual errors, omissions and accidental or consequential damages related to the use of this manual.

*AGROFER s.r.l.* is not responsible for the damages related to the production due to an inappropriate use of the machine namely due to its mistaken maintenance, cleaning or problems of the machine.

***IT IS IMPORTANT TO READ THIS MANUAL BEFORE USING THE MACHINE***

The customer is responsible for the actions accomplished on the machine, with the observation of the safety regulations described in this manual.

## 1.2 Importance of the manual

- This manual is integral part of the SWITCH;
- This manual is fundamental for the use and the maintenance of the SWITCH;
- This manual has to be kept until the demolition of the SWITCH;
- In case of loss or damage, a new copy of the manual, can be asked to the manufacturer;
- This manual has to be kept near the machine, in a safe place which is known and accessible only by the responsible staff;
- It is forbidden to remove, rewrite or accomplish any modification of the pages or parts of the content of this manual;
- This manual has to be replaced when updating documents are delivered by *AGROFER s.r.l.*;
- When the SWITCH is resold, this manual has to be delivered to the buyer and the new user;
- The manufacturer reserves the right to update the production and the specific manuals without being obliged to update the previous production and manuals, except for exceptional cases.

### **1.3 Warranty**

**AGROFER s.r.l. guarantees its own machines in normal conditions of use and service, for a period of 12 months from the date of commissioning but no later than 18 months from the date of delivery.**

*The obligation of the warranty on machines or components produced or resold by AGROFER s.r.l consists in the replacement or repair of parts that according to our unquestionable judgement are affected by flaws or defects of origin.*

*Excluded from the warranty are all parts typically subject to wear or consumption (bearings, seals, lubricants, etc.). The warranty on parts potentially subject to oxidation or corrosions is excluded if not properly used and maintained.*

*The repair of individual machines or components is carried out at the headquarters of AGROFER s.r.l or possibly at companies authorized by AGROFER s.r.l.. If the customer wishes the repair to be carried out by our technicians outside our branch, and if technically possible, the customer is in charge of our staff's travel, accommodation and meals expenses.*

*The interference request has to be sent during the office opening-hours from Monday to Friday, indicating in a detailed way the problem, the machine and its serial number. All the requests realized by telephone will not be taken in charge by AGROFER s.r.l.*

*AGROFER s.r.l. is not subject to warranty obligations for failures, failures and/or inefficiencies resulting from causes due to incorrect installation, intentional or involuntary tampering, poor maintenance, neglect and inability of end user.*

*Modifications and repairs carried out by staff who was not previously authorized by AGROFER s.r.l in written form, entail the forfeiture of the warranty.*

*The materials replaced in warranty remain property of AGROFER s.r.l, the equipment deemed to be faulty has to be returned within 15 days by and at the expenses of the customer. Otherwise all spare parts will be charged at the price list in force at the time of the shipment.*

*The delay or non-payment, even partial, of the supply suspends any warranty. The warranty does not give the customer any right to suspend or defer payments, which have to be made in any case in the forms and methods established by the order.*

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AGROFER s.r.l. reserves the right to cancel the warranty on the sold machines if:

**- labels or plates bearing the manufacturer's mark and the serie number have been deleted or removed;**

**-the product has been used in a way that is not compliant with the instructions provided or for other purposes than those for which it was realized.**

The warranty is exclusively reserved to AGROFER s.r.l.'s direct customer. Anyone who owns machines of our company but has not bought these ones directly at AGROFER s.r.l (like dealers, installers or any kind of manufacturer) has to contact the supplier for any warranty request.

The machine or the component deemed as defective must be sent to the address of the company AGROFER s.r.l free of charge.

If the verification performed by our technicians justifies the application of the warranty, the product will be repaired or replaced; otherwise the repair will be carried out for a fee and the estimated cost will be notified only if expressly requested by the customer. The costs of returning products are borne by the customer even in case of warranty.

[These conditions are understood as fully accepted by the customer at the moment of the order.](#)



## 1.4 Spare parts request and order methods

For the request of any spare part it is essential to mention:

- ↳ Machine model
- ↳ Machine or component serial number

This information might be found on the CE label on the machine.



It is necessary to contact *AGROFER s.r.l.* which will send you the spare parts catalogue where you can find the correct code of the needed component and then proceed to the formal request for supply.






*AGROFER s.r.l.* is available with its technicians to provide for the correct identification of spare part.

## 2. SAFETY SIGNALS AND GENERAL WARNINGS

### 2.1 SYMBOLS: Meaning and Use

In this manual, symbols are used to draw the reader's attention and highlight some particularly important aspects of the treatment.

The following table gives the list and the meaning of the symbols used in the manual.

SYMBOL	MEANING	INFORMATION, ADVISE, NOTES
	<b>WARNING</b>	<ul style="list-style-type: none"> <li>Indicates the presence of danger whose induced risk could be serious even death;</li> <li>Failure to comply with the instructions marked with this symbol may lead to a serious risk for the safety of the operators and/or other exposed persons;</li> <li><b>Scrupulously comply with the indications!</b></li> </ul>
	<b>ATTENTION</b>	<ul style="list-style-type: none"> <li>Represents a note of attention for possible deterioration or malfunction of the system;</li> <li><b>Important warning to be taken in consideration</b></li> </ul>
	<b>CAUTION</b>	<ul style="list-style-type: none"> <li>Indicates a warning or note about key functions or useful information</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Visual observation</b></li> <li>• <b>Action to be carried out</b></li> </ul>	The symbol indicates that the user has to: <ol style="list-style-type: none"> <li><b>Perform a visual inspection;</b></li> <li><b>Perform an operational sequence;</b></li> <li><b>Check an alert, etc.</b></li> </ol>
	<b>Obligation to view the related technical documentation</b>	<ul style="list-style-type: none"> <li>Obligation to read this manual before starting to use the machine</li> </ul>

**Observe all warnings in this manual.**

In order to receive further information on safety warnings, in case of necessity, please contact *AGROFER s.r.l.*

## 2.2 General warnings

In the light of the machinery directive, the Switch is a *machine* because it has the specific purpose of being used independently.

This manual describes how it should be used to ensure its proper and economical operation, as well being able to exploit it all the technical operational capabilities and not least to achieve a long service life.

We therefore recommend to carefully read the operating instructions before commissioning in order to avoid manoeuvring errors and to endure perfect maintenance from the outset. The maintenance chapter lists all the operations necessary to keep the equipment in good working order.

### Maintenance even if simple has to be carried out regularly

Keep this manual close by the operator/s and ensure that the maintenance is carried out at the prescribed intervals. It is a good practice to note the maintenance practices in the equipment curriculum vitae.



**If certain safety regulations mentioned in this manual do not comply with the local legal regulations, those ones providing the highest level of safety are to be observed.**

### 3. TRANSPORT

#### 3.1 Safety norms for machines or components transport

In order to carry out a safe transport for its machines, Agrofer s.r.l. has created a dedicated metal support, where you can place and fix more than one machine, up to a total weight of 2.000 kg.

Below is described the support and how to position the machines:

- Always keep a safe distance when moving the machine;
- Using a forklift drive slowly, without making sudden maneuvers;
- Verify that the means used for transport and/or lifting is suitable for the weight of the machine or component;
- When there is no weight on the package, the maximum weight of the package is  $\leq 25$  Kg



N.B. THE WEIGHT OF THE MACHINE OR COMPONENT IS WRITTEN ON THE PACKAGING (IF ANY) OR IN THIS MANUAL

### 3.2 Packaging

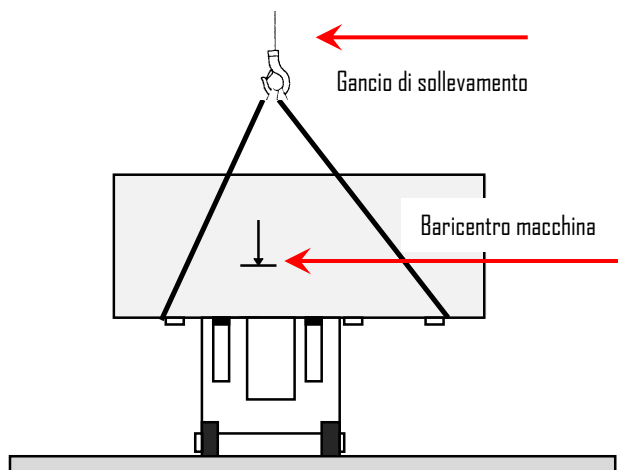
It is performed by *AGROFER s.r.l.* only on explicit request and specification defined by the customer.

Generally used for distant transport by sea, it consists of a reinforced wooden base, capable of supporting the weight of the machine or component, to which solid walls are fixed. The machine, or parts of it, is covered by a waterproof plastic film (barrier bag) that protects it from oxidation.

The crate or cage is then closed with a lid of the same conformation of the walls. For pensile trasport, place the lifting ropes at the chain system printed on the crate. Lift with hook (1). Lift and transport the crate with a forklift (forklift truck) (2) paying attention to the position of the centre of gravity of the crate.



**ATTENTION:** the center of gravity is not necessarily at the center.



## 4. LIFTING

The machine is completely assembled and tested by *AGROFER s.r.l.* so it does not require any assembly activities at the customer.

Lifting and handling have to be carried out with the help of suitable vehicles (e.g forklifts, trucks, etc.), of adequate capacity and according to the dimensional characteristics of the machine purchased.



### **ACCIDENT-PREVENTION WARNINGS**

- Instruct only qualified staff to lift the machine
- For lifting and transport use means that are suitable in capacity, shape, strength, speed, stability with the weight, shape volume and nature of the load. On the used equipment (means, hooks, chains, ropes, bands, etc.) has to be clearly indicated the maximum permissible capacity and this one has to be strictly respected;
- Ensure the integrity of the equipment and the harness used before lifting;
- Ensure the balance of the machine during the lifting phase especially with respect to the characteristics of the ground;
- Before lifting, check the stability of the equipment. If it is not verified, provide its harness with ropes and/or bands that are intact and adequately size for the load to be handled;
- The hooks of the lifting equipment must have a device that closes the entrance or, alternatively, be shaped in such a way that it is impossible to accidentally release the ropes, chains, etc.
- Before moving the machine, be sure with absolute safety of the absence of obstacles and in particular electrical cables so as to choose the most suitable route;
- Lift the machine to the minimum height required for handling;
- Do not sway the machine during transport;
- Do not work under raised loads

The used means must have suitable acoustic signalling and warning devices and lighting equipment in the operating area, especially when the environmental conditions so require.

## **5. EXTENDED STORING**

In case of extended storing, it is necessary to adopt some precautions, described as follows, in order to ensure the preservation and the maintenance of the characteristics to obtain the maximum performance of the machine:

- Shelter it in a covered and dry place;
- Check the state of the painting of the carpentry parts, if any, with quarterly periodicity;
- If storage is prolonged over time, more than 1 month, fill the gearboxes with the lubricants in the dedicated section.

## 6. SCALZATORE A LAMA IDENTIFICATION

The data of the equipment are detectable by the identification plate. The plate is placed by the manufacturer of vehicle to complete it with full painting. Before delivery, the plate below have to be positioned as indicated in the picture below.

Failure to apply the identification plate means the the equipment is not traceable and consequently the liability of the manufacturer *AGROFER s.r.l.* and the related warranty lapse as well.



### **ATTENTION!**

**IT IS FORBIDDEN to remove or replace the plate "MARCATURA CE".**



**FOR ANY COMMUNICATION WITH THE MANUFACTURER, ALWAYS QUOTE THE SERIAL NUMBER ON THE PLATE.**



## 7. INSTALLATION

### 7.1 General warnings

In addition to the generic technical requirements, the following directives have to be observed as well:

- Lift the cultivator only by means of a lifting device complying with local safety. **It is strictly forbidden to linger under a suspended load.** Forces resulting from acceleration and deceleration during transport shall be avoided;
- Always check that the used means and the lifting devices are suitable and efficient for what you want to lift and move.

Once the assembly has been carried out, check that all the parts of the machine are perfectly intact and comply with this manual. In case some of these ones are not intact, it is the purchaser who has to immediately inform *AGROFER s.r.l.* for authorized local dealer in written form in order to have clarifications about how to proceed.

## 8. MACHINE DESCRIPTION

### 8.1 General notes

The SWITCH is a machine used to work the earth with strenght and depth, disintegrating and shattering grass and underground channels of rodents near crops arranged in rows, in order to make the earth softer and therefore ready to receive the treatments provided depending on the type of cultivation. The working of the earth is obtained by the dragging of suitably shaped blades. In the "FARMER" version, the machine might also be used to eradicate weeds in plantations arranged in rows.

This machine can be towed. The machine has been tested and checked at the Agrofertaht guarantees the perfect functioning in relation to what is contained in this manual.

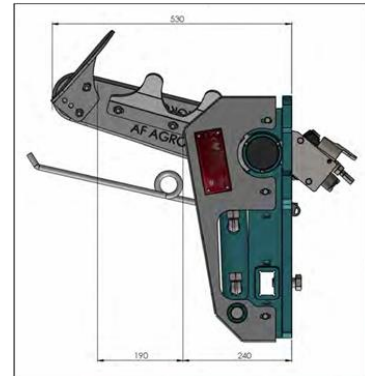
The machine described and illustrated in this manual is VARIO type and in this type you can choose different models that are listed below:

### 8.2 Typologies

MODEL	FEATURES	
T 40 E		
SWITCH SYSTEM BIO	ASSEMBLY DX	
	ASSEMBLY DX / SX	
	ASSEMBLY DX / SX GIGANTE	
SWITCH GREEN	ASSEMBLY DX ELECTRONIC	PLUS
	ASSEMBLY DX / SX ELECTRONIC	PLUS
		PREMIUM
SWITCH ONE	ASSEMBLY DX	ECO
		PLUS
SWITCH DUAL	ASSEMBLY DX / SX	PLUS

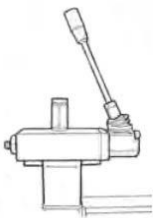
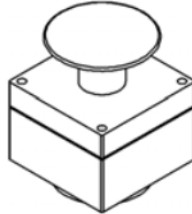
**8.2.1 T 40 E Model**

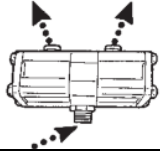
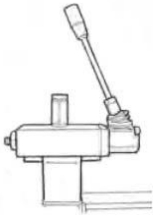


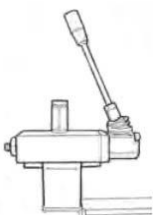

The machine is supplied to be positioned right or left compared to the operating machine “tractor” and mounted on the chassis both front and rear



Main components:

1. Blade -head
2. Hydraulic operation
3. Universal fixing plate
4. Feeler PIN and double effect cylinder
5. Manual control on the tractor for emergency retraction
6. 550mm blade

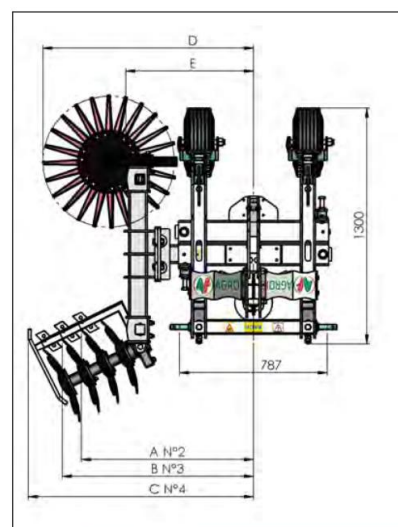
Emergency return command (you have to choose between the two)			
Manual		Electronic (12 V electronic control)	
	Manual control with n°2 hydraulic connections. Minimum oil capacity 20 l/1' Max oil pressure 130 barg		Electronic control on board of the operating machine with n°2 hydraulic connections Minimum oil capacity 20 l/1' Max oil pressure 130 barg

Machine operation power			
<p>Hydraulic power supplied by the machine <b>[ECO version]</b> (equipment supplied with flow divider with a capacity of 40 l/1')</p>			
Manual		Electronic (12 V electronic operation)	
	<p>Manual control with n°2 hydraulic connections. Minimum oil capacity 20 l/1' Max oil pressure 130 barg</p>		<p>Electronic control on board of the operating machine with n°2 hydraulic connections. Minimum oil capacity 20 l/1' Max oil pressure 130 barg</p>
<p>Hydraulic power delivered by autonomous hydraulic control unit on board equipment <b>[TOP version]</b> (control unit with tank of 40 l and n°2 pumps with a capacity of 20 l/1' each) Max oil pressure 130 barg</p>			
Manual		Electronic (12 V electronic operation)	
	<p>Manual control on board of the operating machine</p>		<p>Electronic control on board of the operating machine</p>

## 8.2.2 Switch System BIO DX Model

The machine consists mainly of a main frame to which various equipment is mounted depending on the machining you want to perform.

The machine allows mounting both in front and rear position with respect to the operating machine.

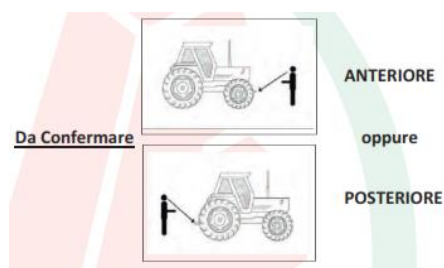


Basic composition:

1. 3 point hitch carried chassis;
2. Chassis front or rear;
3. Hydraulic telescope extension;
4. N°2 adjustable support rubber wheels;
5. Hydraulic system.

Equipment:

1. • Hydraulic telescopic extension of the DX head;
2. • Kit for application Rollacker – Kult cultivator DX;
3. • Complete: right side;
4. • Tractor with n°1 pair of double-acting hydraulic outlets;
5. • Standard tractor Lt 20






The equipment holder is equipped with telescopic hydraulically operated




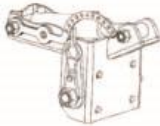


In case of a change in the machine positioning, the tool holder must be removed and placed on the opposite side

[Table 1]

Technical data									
MOD	Kg	A min - max	B min - max	C min - max	D min - max	E min - max	 HP	 min - max	 mm 700 mm
PICCOLO	da 360 a 580	900 - 1400	1000 - 1500	1200 - 1700	Ø 540 1000-1500 Ø 700 1120-1620 Ø 950 1230-1730	600 - 1100	30	50 - 100	1600
MEDIO	da 360 a 580	1100 - 1600	1200 - 1700	1400 - 1900	Ø 540 1200-1700 Ø 700 1300-1800 Ø 950 1400-1900	800 - 1300	30	50 - 100	2000
GRANDE	da 360 a 580	1300 - 1800	1400 - 1900	1600 - 2100	Ø 540 1400-1900 Ø 700 1500-2100 Ø 950 1630-2130	1050 - 1550	30	50 - 100	2500

The chosen equipment must be assembled in the appropriate locations by means of M14 bolted connection

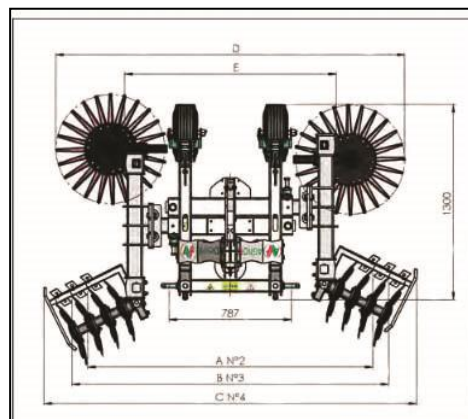
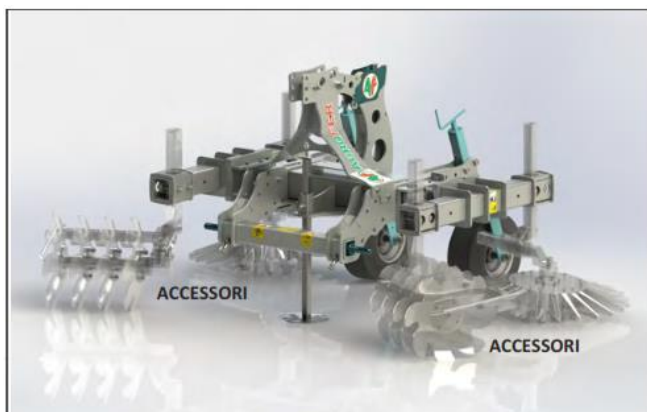
EQUIPMENT AND ACCESSORIES			
TYPE	CODE	DESCRIPTION	WEIGHT (KG)
	LM 012	ROLLACKER N°2 DISKS Ø 380 MOD. DX	45
	LM 012 B	ROLLACKER N°3 DISKS Ø 380 MOD. DX	50
	LM 012 E	ROLLACKER N°4 DISKS Ø 380 MOD. DX	60
	LM 011	CULTIVATOR KULT Ø 540 MOD. DX	35
	LM 011 B	CULTIVATOR KULT Ø 700 MOD. DX	40
	LM 011 E	CULTIVATOR KULT Ø 950 MOD. DX	50
	LM 017	MANUAL WHEEL MOD.DX	25
	LM 013	HYDRAULIC INCLINATION TRACTOR MOD. DX (The device works with oil from the operating machine circuit. A pair of double-acting hydraulic connection is required)	45

In case of use of the device "cod. LM013" the dimensions shown in table 1 must be increased by 100mm

### 8.2.3 Switch System BIO DX – SX Model

The machine consists mainly of a main frame to which various equipment is mounted depending on the machine you want to perform.

The machine allows mounting both in front and rear position with respect to the operating machine

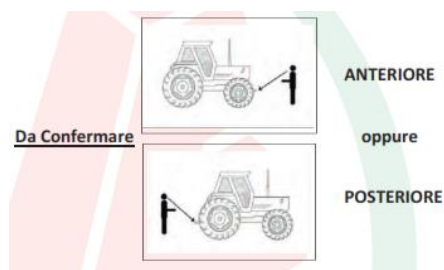


Basic composition:

1. 3 point hitch carried chassis;
2. Chassis front or rear;
3. Hydraulic telescope extension;
4. N°2 adjustable support rubber wheels;
5. Hydraulic system.



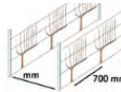
Equipment:

1. • Hydraulic telescope extension of DX-SX header;
2. • Kit for application Rollacker – Kult cultivator DX-SX;
3. • Complete: DX – SX side;
4. • Tractor with n°1 pair of double-acting hydraulic outlets;
5. • Standard tractor Lt 20







The equipment holder is equipped with telescopic hydraulically operated

[Tabel 1]

Technical data									
MOD	Kg	A min - max	B min - max	C min - max	D min - max	E min - max	 HP	 min - max	 700 mm
VIGNERON	400 ÷ 700	900 ÷ 1400	2000÷3000	1200 ÷ 1700	Ø 540 1000-1500 Ø 700 1120- 1620 Ø 950 1230-1730	1250 ÷ 2250	50	50 ÷ 100	1600
PICCOLO	400 ÷ 700	1800÷2800	2000÷3000	2400 ÷ 3400	Ø 540 1900-2900 Ø 700 2200- 3200 Ø 950 2500-3500	1350 ÷ 2400	50	50 ÷ 100	2000
MEDIO	400 ÷ 700	2200÷3200	2400÷3400	2800 ÷ 3800	Ø 540 2400-3400 Ø 700 2600-3600 Ø 950 2800-3800	1700 ÷ 2700	50	50 ÷ 100	2500
GRANDE	400 ÷ 700	2600÷3600	2800÷3800	3200 ÷ 4200	Ø 540 2800-3800 Ø 700 3000-4000 Ø 950 3200-4200	2100 ÷ 3100	50	50 ÷ 100	3000
MAGNUM	400 ÷ 700	2700÷3700	2900÷3900	3300 ÷ 4300	Ø 540 3000-4000 Ø 700 3200-4200 Ø 950 3400-4400	2500 ÷ 3900	50	50 ÷ 100	3300

The chosen equipment must be assembled in the appropriate locations by means of M14 bolted connection

EQUIPMENT AND ACCESSORIES			
TYPE	CODE	DESCRIPTION	WEIGHT (KG)
	LM 012 C	ROLLACKER N°2 DISKS Ø 380 MOD. DX - SX	90
	LM 012 D	ROLLACKER N°3 DISKS Ø 380 MOD. DX - SX	100
	LM 012 F	ROLLACKER N°4 DISKS Ø 380 MOD. DX - SX	120
	LM 011 C	CULTIVATOR KULT Ø 540 MOD. DX - SX	70
	LM 011 D	CULTIVATOR KULT Ø 700 MOD. DX -SX	80
	LM 011 F	CULTIVATOR KULT Ø 950 MOD. DX - SX	100
	LM 017 B	MANUAL WHEEL MOD.DX	50
	LM 013 B	HYDRAULIC INCLINATION TRACTOR MOD. DX (the device works with oil from the operating machine circuit. A pair of double-actinghydraulic connection is required).	

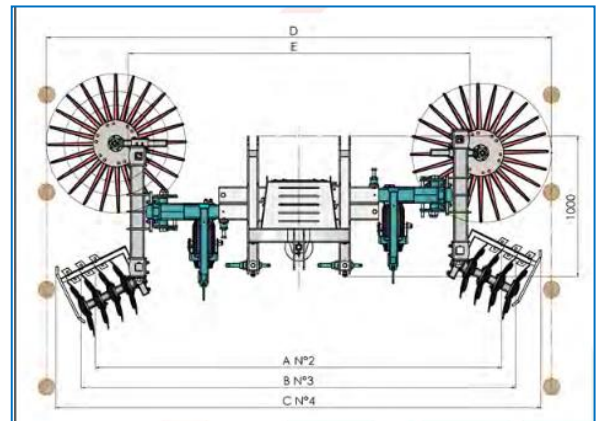
In case of use of the device “cod. LM013” the dimensions shown in table 1 must be increased by 100mm.



### 8.2.4 Switch System BIO DX – SX GIGANTE Model

The machine consists mainly of a main frame to which various equipment is mounted depending on the machine you want to perform.

The machine allows mounting both in front and rear position with respect to the operating machine.

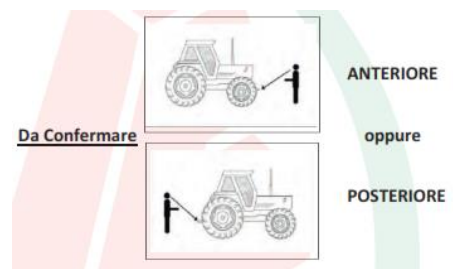


Basic composition:

1. 3 point hitch carried chassis;
2. Chassis front or rear;
3. Hydraulic telescope extension;
4. N°2 adjustable support rubber wheels;
5. Hydraulic system




Equioment:

1. Hydraulic telescope extension of DX – SX header;
2. 90° Inclination of the head DX – SX;
3. Kit for application Rollacker – Kult cultivator DX - SX;
4. Complete: DX – SX side;
5. Tractor with n° 3 pairs of double-acting hydraulic outlets;
6. Standard tractor Lt 20





The equipment holder is equipped with telescopic hydraulically operated

[Tabel 1]

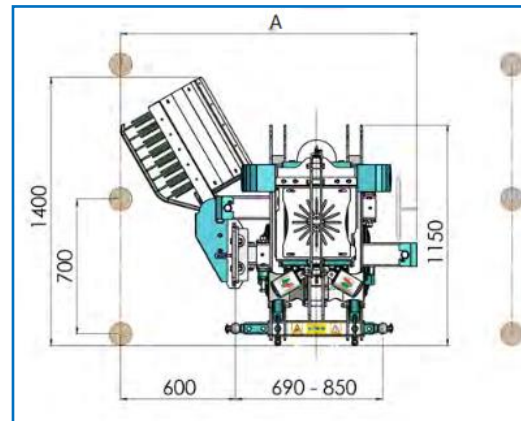
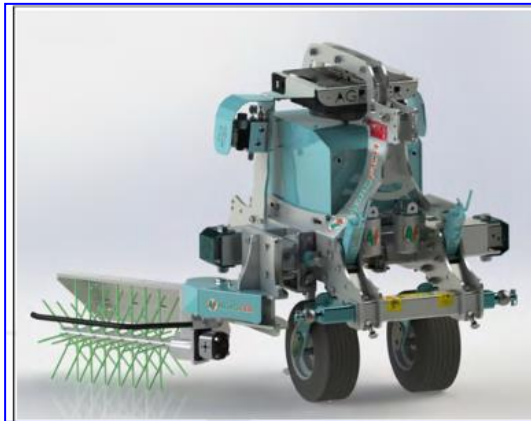
Technical data									
MOD	Kg	A min - max	B min - max	C min - max	D min - max	E min - max	 HP	 min - max	 mm
GIGANTE	600	2900 ÷ 4400	3130÷4530	3490 ÷ 4890	Ø 540 1000-1500 Ø 700 1120-1620 Ø 950 1230-1730	2450 ÷ 3150	60	50 ÷ 100	3500 ÷ 5000

The assembly of the chosen equipment must be carried out in the appropriate locations by means of bolted connection M14.

EQUIPMENT AND ACCESSORIES			
TYPE	CODE	DESCRIPTION	WEIGHT (KG)
	LM 012 C	ROLLACKER N°2 DISKS Ø 380 MOD. DX - SX	90
	LM 012 D	ROLLACKER N°3 DISKS Ø 380 MOD. DX - SX	100
	LM 012 F	ROLLACKER N°4 DISKS Ø 380 MOD. DX - SX	120
	LM 011 C	CULTIVATOR KULT Ø 540 MOD. DX - SX	70
	LM 011 D	CULTIVATOR KULT Ø 700 MOD. DX - SX	80
	LM 011 F	CULTIVATOR KULT Ø 950 MOD. DX - SX	100

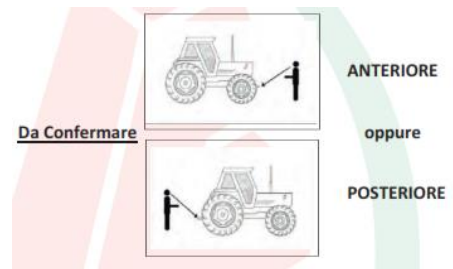
**8.2.5 Switch GREEN DX (Electronic) Model**

The machine is supplied to be positioned right or left compared to the operating machine “tractor” and mounted on the chassis both front and rear.



Basic composition:

1. 3 point hitch carried chassis;
2. Chassis front or rear;
3. Hydraulic telescope extension;
4. N°2 adjustable support rubber wheels;
5. Tipping machine equipment;
6. Hydraulic system.



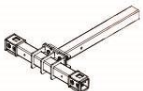

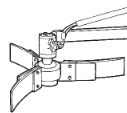

PLUS electronic:

1. Hydraulic telescope extension of the DX head;
2. Oil cooler 12 V;
3. ON OFF electric pushbutton for tipping machine rotation;
4. Tipping machine speed regulator ;
5. Tractor with 2 pairs of double-acting hydraulic outlets;
6. Tractor Lt 40

The equipment holder is equipped with telescopic hydraulically operated

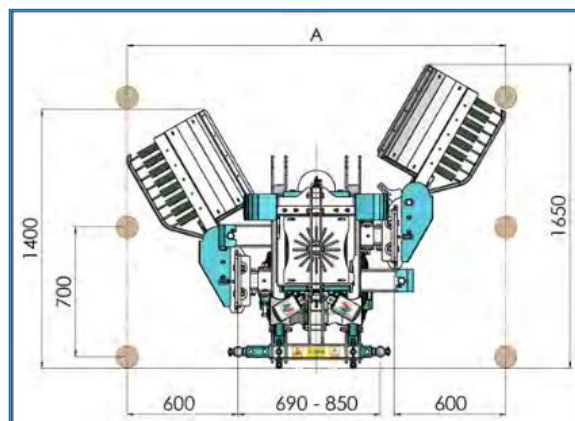
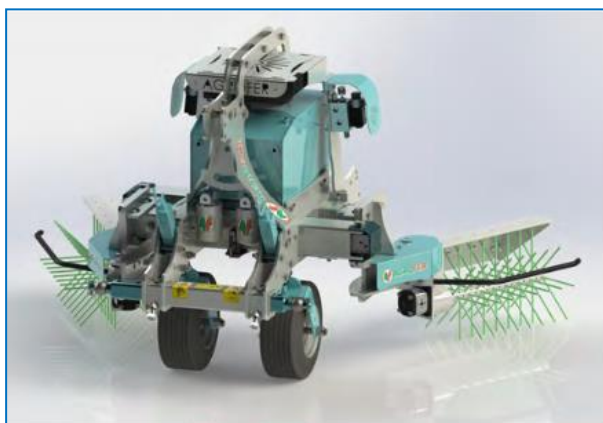
Technical data				
MOD	Kg	A min - max	HP	mm
PICCOLO	360 + 580	1540÷2040	30	1900÷2700
MEDIO		1740÷2240	30	2400÷3300
GRANDE		1940÷2440	30	2700÷3500

The chosen equipment must be assembled in the appropriate locations by means of M14 bolted connection

EQUIPMENT AND ACCESSORIES			
TYPE	CODE	DESCRIPTION	WEIGHT (KG)
	LM 014	SUPPORT KULT ROLLACKER	
	LM 017	MANUAL WHEEL MOD.DX	25
	LM 024	PRUNING RAKE KIT MOD. DX (the device works with oil from the operating machine circuit. A pair of double-acting hydraulic connection is required).	25
	EX 001	HYDRAULIC PIPES lenght 5200 mm N° 1 da ¾ e N° 1 da 1/2	

### 8.2.6 Switch GREEN DX – SX (Electronic) Model

The machine is supplied to be positioned at the front or at the rear compared to the operating machine “tractor”, then in towing or in pushing but this choice must be communicated during the order confirmation.

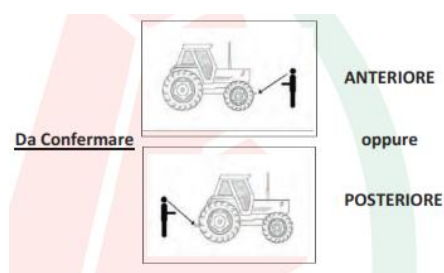


Basic composition:

1. 3 point hitch carried chassis;
2. Chassis front or rear;
3. Hydraulic telescope extension;
4. N°2 adjustable support rubber wheels;
5. Tipping machine equipment;
6. Hydraulic system.

**PLUS electronic:**

1. Hydraulic telescope extension of the DX head;
2. Oil cooler 12 V;
3. ON OFF electric pushbutton for tipping machine rotation;
4. Tipping machine speed regulator;
5. Tractor with 2 pairs of double-acting hydraulic outlets;
6. Tractor Lt 40.


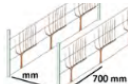


**PREMIUM Electronic**



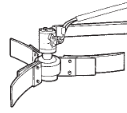

1. System operation with oil tank and pump;
2. Hydraulic telescope extension of head DX-SX;
3. Oil cooler 12 volt;
4. Electric push-button pad ON OFF tipping tool rotation;
5. Tractor with nr 1 pair of double-acting hydraulic jacks;
6. Tractor Lt 40;
7. Trattore PTO 540 o 1000
8. Suspended pump kit

Il supporto porta attrezzature è dotato di telescopico azionato oleodinamicamente da centralina trattore.

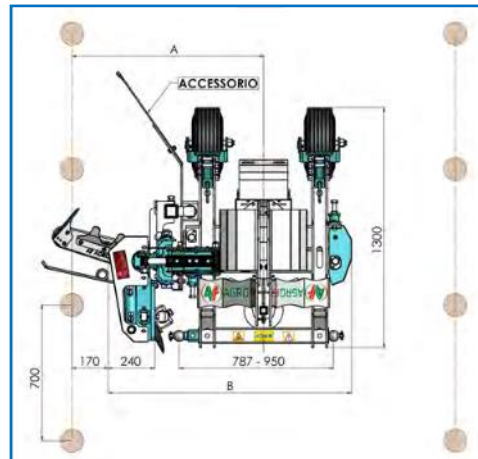
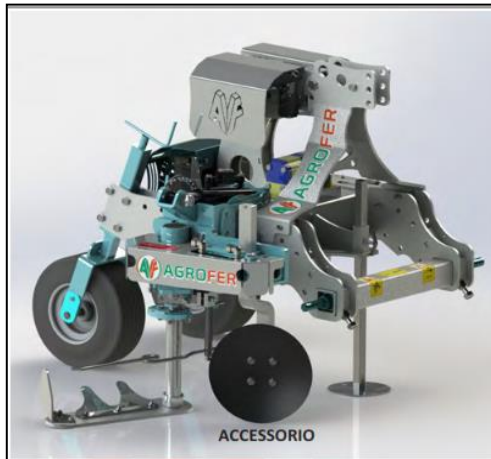
[Tabel]

Technical data				
MOD	Kg	A min - max	 HP	 mm
PICCOLO	400 + 700	2000+3000	50	1900+2700
MEDIO		2400+3400	50	2400+3300
GRANDE		2800+3800	50	2700+3500
MAGNUM		3000+4000	50	3000+4000

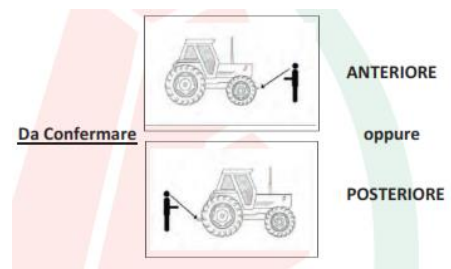
The chosen equipment must be assembled in the appropriate locations by means of M14 bolted connection

EQUIPOMENT AND ACCESSORIES			
TYPE	CODE	DESCRIPTION	WEIGHT (KG)
	LM 014	SUPPORT KULT ROLLACKER	
	LM 017	MANUAL WHEEL MOD.DX	25
	LM 024	PRUNING RAKE KIT MOD. DX (The device works with oil from the operating machine circuit. A pair of double-acting hydraulic connection is required).	25
	EX 001	HYDRAULIC PIPES lenght 5200 mm N° 1 da ¾ e N° 1 da 1/2	



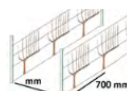
**8.2.7 Switch ONE DX Electronic Model**



1. 3 Point hitch carried chassis;
2. Chassis front or rear;
3. Oblique inclination of the head;
4. Hydraulic telescope extension;
5. N° 2 adjustable support rubber wheels;
6. Blade tool 550 mm;
7. Hydraulic system



[Tabel]

Technical data						
MOD	Kg	A min - max	B min - max	 HP	 min - max	 mm
PICCOLO	360 ÷ 580	950÷1500	1200÷1700	30	50 ÷ 200	1700
MEDIO		1200÷1700	1400÷1900	30	50 ÷ 200	2500
GRANDE		1400÷1900	1600÷2100	30	50 ÷ 200	3000

**ECO VERSION:**

1. System operation with tractor oil;
2. Oblique inclination of the head T40E DX +15° -15°;
3. Hydraulic telescope extension of the head T40E DX – Extension 500 mm;
4. Electric button panel on tractor for emergency retraction of the head T40E;
5. Tractor with 3 pairs of double-acting hydraulic jacks with a capacity of 30 Lt



**PLUS VERSION:**

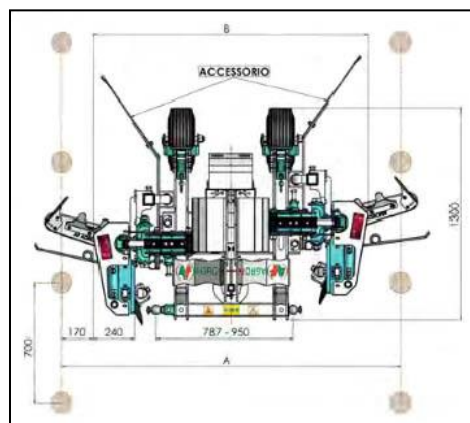
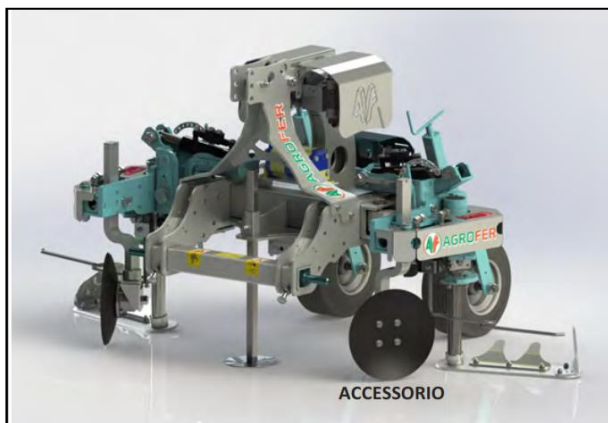
1. System operation with tractor oil gestito da un gruppo valvole posizionato sulla macchina;
2. With 12 V electric button panel to control:
  - Inclination of the head T40E DX +15° -15°;
  - Hydraulic telescope extension of head T40E DX extension 500 mm;
  - Emergency retraction f head T40E DX;
3. Oil cooler 12 V;
4. Tractor with 1 pair of double-acting hydraulic jacks;
5. TRactor Lt 40
6. Hydraulic accessories kit
7. Hydraulic tools ON/OFF button

**PULSANTIERA  
ELETTRICA**



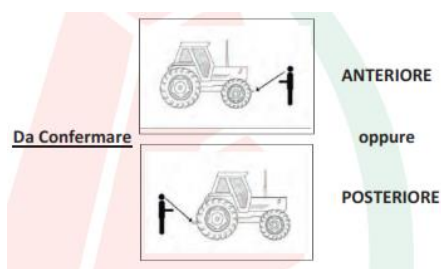


**8.2.8 Switch DUAL DX – SX Electronic Model**



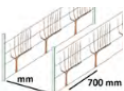


**Basic composition:**

1. 3 point hitch carried chassis;
2. Reversible chassis front - rear;
3. Oblique inclination of the head;
4. Hydraulic telescopic arm extension;
5. N° 2 adjustable support rubber wheels;
6. Blade tool 550mm;
7. Hydraulic system.



[Tabel]

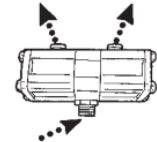
Technical data						
MOD	Kg	A min - max	B min - max	 HP	 min - max	 700 mm
PICCOLO	400 ÷ 700	1800÷2800	1500÷2500	50	50 ÷ 200	1800
MEDIO		2400÷3400	1900÷2900	50	50 ÷ 200	2500
GRANDE		2800÷3800	2300÷3300	50	50 ÷ 200	2700
MAGNUM		3000÷4000	2600÷3600	50	50 ÷ 200	3000

---

**VERSIONE PLUS:**

1. System operation with tractor oil, operated by a valve group positioned on the machine;
2. With 12 V electric button panel to control:
  - Independent DX - SX hydraulic oblique inclination in uneven ground;
  - Hydraulic telescope extension DX – SX in pairs 500mm;
  - Emergency return of the DX – SX tool;
3. Oil cooler 12 V;
4. Tractor with 1 pair of double-acting hydraulic jacks;
5. Tractor Lt 40
6. Hydraulic tools ON/OFF button

**PULSANTIERA  
ELETTRICA**



## 9. LUBRIFICANTS

### TAMHYDRO HVI 46 (OR EQUIVALENT)

- The first filling of the control unit, is provided by the manufacturer;
- Quantity: approx .....litres/control unit;
- Fill up to the level cap;
- Check the oil level before starting each working season;



#### **ATTENTION:**

Do not exceed the amount of oil, an excess might produce, in addition to the waste of the product, damage to the machinery

### TAMLIGHT GREASE 2 (OR EQUIVALENT)

- The customer has to grease all point with lubricator (supports and bushings)



**GREASE HAS TO BE ADDED  
WHEN NECESSARY**



#### **ATTENTION:**

Do not exceed the amount of oil, an excess might produce, in addition to the waste of the product, damage to the machinery

## **10. DISPOSAL OF WASTE MATERIALS DURING OPERATIONS OF MAINTENANCE**

### **10.1 Lubrificant oils**

Any waste oil present during ordinary and extraordinary maintenance operations has to be stored in special containers in controlled areas and periodically delivered to specialized companies for disposal, be careful not to disperse lubricant waste in the environment.

### **10.2 Demolition, diversified subdivision of the materials and disposal**

Due to the dimensions of the machine, dismantling has to be carried out by accomplishing the producers of the assembly but in reverse order, following the same requirements and recommendations.

Whether the machine or parts of it are out of service, it is necessary to make them harmless if liable to cause any danger.

Since the machine is made up mostly of metal carpentry, it retains a residual value as scrap, so there is no danger of abandonment

### **10.3 Correct disposal of electric and electronic materials**

The machinery contains electrical or electronic components for which it is necessary to comply with the specific legislation in force at the time of disposal.

## 11. ANTI-HARDSHIP NORMS

- All the repairs have to be carried out by specialized staff;
- Never use the machine without the protective devices and never change devices;
- NEVER use safety devices for purposes other than those ones they are arranged for and do not make them INEFFECTIVE anyway;



- Periodically ensure that safety devices are efficient;
- Periodically replace safety signs in order to maintain their effectiveness over time;
- Each person working on the machine has to be instructed to use the machine, to its safety devices and to its correct use;
- **NEVER MODIFY OR TAMPER WITH THE SAFETY DEVICES;** Any modification or tampering by non-authorized staff relieves AGROFER S.r.l of any responsibility

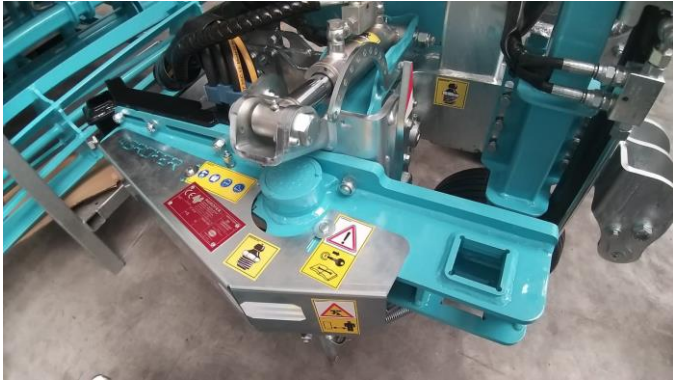
### 11.1 Supervision, test and instruction

- ↳ Periodically check the hardware of components;
- ↳ Use only suitable tools for maintenance and repair work;
- ↳ The spare parts have to correspond to the technical requirements established by the manufacturer for which it is necessary to use original spare parts;

Remember to always consult the technicians of the company AGROFER S.r.l to carry out any type of intervention and/or modification not described in this manual.

**NEVER MODIFY OR TAMPER WITH THE SAFETY DEVICES, any operation of tampering or modification by non-authorized staff relieves AGROFER S.r.l of any responsibility**

**12. SAFETY SIGNAL PLACEMENT**



### 13. DECLARATION OF CONFORMITY

#### DICHIARAZIONE CE DI CONFORMITÀ

(Allegato II A DIR. 2006/42/CE)

#### IL FABBRICANTE

AGROFER s.r.l.

Azienda

VIA DELL'ARTIGIANATO 25010

BRESCIA

Indirizzo

CAP

Provincia

POZZOLENGO

ITALY

Città

Stato

#### DICHIARA CHE LA MACCHINA

SCALZATORE A LAMA

SWITCH .....

Macchina

Modello

.....

2022

Matricola

Anno costruzione

.....

Tipo

Attività agricole per cultura in filare

Uso previsto

#### È CONFORME ALLE DIRETTIVE

**Direttiva 2006/42/CE** del Parlamento Europeo e del Consiglio del 17 maggio 2006 relativa alle macchine e che modifica la direttiva 95/16/CE recepita dalla legislazione italiana con il D.lgs 17/2010 del 27/01/2010

**Direttiva EMC 2014/30/UE** del Parlamento Europeo e del Consiglio concernente il riavvicinamento delle legislazioni degli Stati membri relative alla compatibilità elettromagnetica; recepita con il Decreto Legislativo N. 194 del 6 Novembre 2007

**Direttiva Bassa Tensione 2014/35/UE** del Parlamento Europeo e del Consiglio concernente il riavvicinamento delle legislazioni degli Stati membri relative al materiale elettrico destinato ad essere adoperato entro taluni limiti di tensione.

#### Riferimenti norme armonizzate

UNI EN ISO 12100:2012

Sicurezza del macchinario - Principi generali di progettazione - Valutazione del rischio e riduzione del rischio

UNI EN ISO 13849-1:2016

Sicurezza del macchinario - Parti dei sistemi di comando legate alla sicurezza - Parte 1: Principi generali per la progettazione

CEI EN ISO 60204-1:2018(\*)

Equipaggiamento elettrico delle macchine Parte 1: regole generali

UNI EN ISO 13857:2020

Sicurezza del macchinario - Distanze di sicurezza per impedire il raggiungimento di zone pericolose con gli arti superiori e inferiori

#### ED AUTORIZZA

Nome e cognome

VIA DELL'ARTIGIANATO LOC PONTE DEL CANTONE

25010

BRESCIA

Indirizzo

CAP

Provincia

POZZOLENGO

ITALY

Città

Nazione

#### A COSTITUIRE IL FASCICOLO TECNICO PER SUO CONTO

**Luogo e data del documento**

Pozzolengo, .....

**Il fabbricante**

Firma

Mansione