

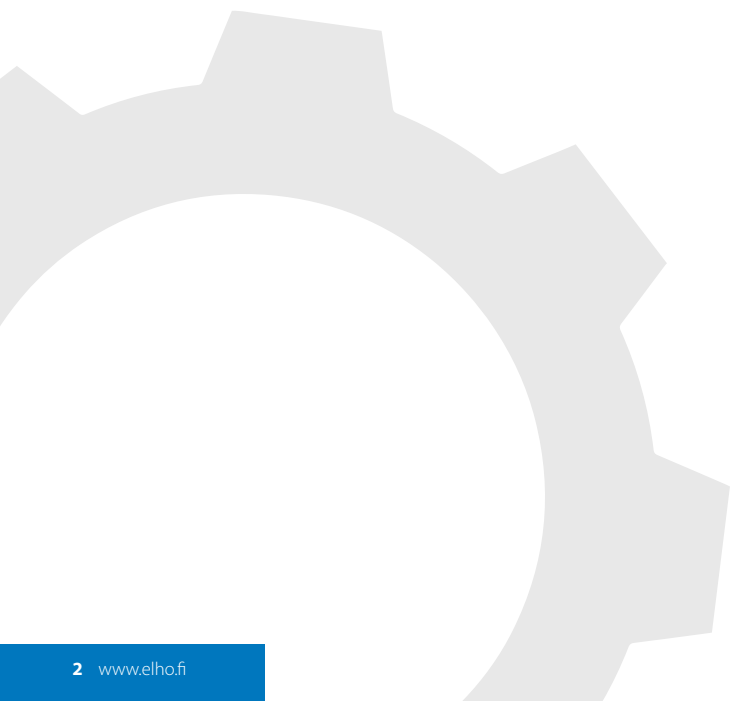
ALWAYS AHEAD



PRODUCT RANGE **2018**



► OY El-Ho Ab





ALWAYS AHEAD

► **Cooperation with our clients is important to us at ELHO.**

Since ELHO's establishment in 1968, we have listened to our customers closely and have received useful feedback and ideas for improvement. These contacts have evolved into long-term relationships that still exist today. We want to be near our clients, wherever they may be, and listen to them closely. Our operation is flexible: when we hear a good idea or improvement suggestion, we can react very quickly.

The best innovations and improvement ideas come from the users as they have the experience and drive to create more efficient and durable machines. This is how ELHO always stays ahead.

This has also provided us with the opportunity to enter the global agricultural machinery markets. Today, we deliver our agricultural machinery all over the world, from Europe all the way to the USA in the west, and Japan in the east. We also deliver machines to such distant places as Australia, New Zealand and even New Caledonia.

Professional support is always nearby.

Development will never cease. Modern machines are technically more advanced but also more demanding – and development will never cease.


This also sets up certain requirements for the retailers' personnel. This is why we consider training and competence building a very important aspect of our work. We arrange several training events for our retailers' sales, after sales and technical personnel annually, at ELHO and around the world.

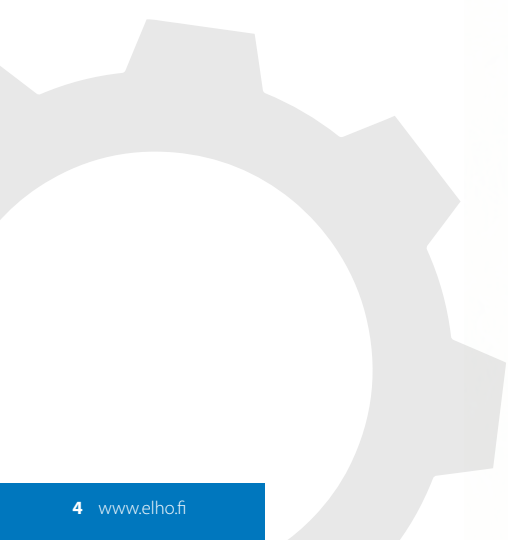
You can safely turn to our retailers for expert assistance.

Join the ELHO team today!



Oy El-Ho Ab

- ▶ **FOUNDED IN 1968, STILL OWNED BY THE FAMILY WHO FOUNDED IT**
 - ▶ **LOCATED IN PÄNNÄINEN, 10 KM FROM PIETARSAARI IN WESTERN FINLAND**
 - ▶ **APPROX. 100 EMPLOYEES**
 - ▶ **PROPORTION OF EXPORT APPROX. 60%**
 - ▶ **MANUFACTURING PREMISES APPROX. 9,000 M² AND STORAGE PREMISES APPROX. 4,000 M²**
- 



Technical specifications are given without obligation and may be amended without prior notice. Rights to structural changes are reserved. The price list valid at the time of sale takes precedent in matters of prices and equipment. Contact your local retailer for more information.



TABLE OF CONTENTS

SWATHERS	6
MOWER CONDITIONERS	10
ROLLER MOWER CONDITIONERS	16
CUTTING-EDGE DISC MOWERS	20
MULCHERS	24
FEEDERS AND SHREDDERS	28
BALE WRAPPERS	30
FORAGE HARVESTERS	38
STONE PICKERS	40

SWATHERS



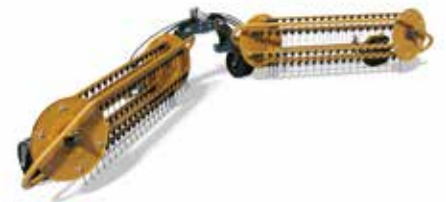
Harvesting is more efficient and the forage stays clean with ELHO Twin swathers!

► Read more
www.elho.fi

ELHO TWIN SWATHERS PROTECT THE FORAGE FROM IMPURITIES AND ENSURE THAT THE FORAGE STAYS CLEAN AND OF OPTIMAL QUALITY BY MOVING THE FORAGE BY LIFTING IT.

Thanks to the lifting and throwing motion of the angled rotors, no rocks end up in the swath. This also reduces the risk of damage to the harvester following the swather. The rotor speed can be adjusted according to the forage type. This makes harvesting more efficient and reduces fuel consumption. ELHO Twin swathers are ideal for irregular fields as well. Forage producers and contractors have clearly seen the benefits of ELHO Twin swathers as their popularity keeps increasing from year to year.





V-TWIN 950 SUPER

The new ELHO V-Twin 950 Super swather with up to 9.5 m working width!

Harvesters are becoming more effective and they now have the capacity to pick up swaths with more forage. ELHO has developed a new wide trailed swather: the V-Twin 950S with a hydraulically adjustable working width of 4.5–9.5 metres.

The new V-Twin 950S is equipped with the HydroBalance suspension to ensure that the machine follows the ground surface smoothly. It also features double rotors that lift the forage and mow it in the air to the centre. This results in top-quality forage. The swath width can be optimised based on the harvester.

The standard V-Twin 950S model can also shift the swather to the right side or to the left side of the tractor. This is useful especially if the space between the swaths is small and you want to avoid driving on the swaths. Another standard option is to use only one of the rotors for swathing.

The adjustable working width of 4.5–9.5 metres makes the V-Twin an ideal machine for irregular sections as well. The size of the forage harvester or the harvesting method does not matter. The construction of the rotors of the V-Twin is such that a clean and fluffy swath that is easy to pick up is always created. Thanks to the multi-tined rotors, the risk of clogging up the harvester/baler is small.

The V-Twin 950 S can be easily prepared for transport – you don't even have to leave the cabin. The machine has a narrow transport position.

TECHNICAL SPECIFICATIONS

Working width, m	4,5-9,5*
Swath width, m	1,3-2,2
Swathwidth adjustment hydraulic	X
Side shift at the draw bar, m	1,8
Tine pattern	7
Rotor diameter, mm	860
Number of rake tines, pcs	476
Transport width, m	2,4-3,2**
Transport height, m	2,8
Transport length, m	7,8
Tyre size	500/50-17.5
Weight, kg	3500
Hydraulic connection-single action	2
Hydraulic connection-double action	1
Hydraulic connection-free return	1
Hydraulic motor, pcs	2
Required oil flow	35l/min
Hydraulic pressure, min/max bar	175-210
3 point linkage	Cat.2
Electrical connection ISO/TR 12369	12V/10 Amp

ELHO V-TWIN 750

Fast swather with up to 8 m working width!

The ELHO V-Twin 750 swather is equipped with the HydroBalance suspension to ensure that the machine follows the ground surface smoothly and the forage stays clean. Double rotors lift the forage and throw it to the centre. The swath width can be optimised based on the harvester pickup width. The V-Twin is also great on widespread fields.

A flexible working width of 3–8 metres (adjustable from the cabin while driving) makes the V-Twin an ideal machine for irregular fields as well. The size of the forage harvester does not matter. The construction of the rotors of the V-Twin are such that a clean, fluffy, easily picked up swath is always created. Thanks to the multi-tined rotors also the risk of clogging up the harvester/baler is small.

There is less distance to cover, harvesting is more efficient, the forage stays clean, and fuel consumption is reduced. This machine offers nothing but benefits!

TECHNICAL SPECIFICATIONS

Working width, m	3,0-8,0*
Swath width, m	1,3-1,8
Swathwidth adjustment mechanical	X
Tine pattern	7
Rotor diameter, mm	655
Number of rake tines, pcs	336
Transport width, m	2,6
Transport height, m	1,8
Transport length, m	6,9
Tyre size	380/55-R17
Weight, kg	2170
Hydraulic connection-single action	2
Hydraulic connection-double action	1 (2)
Hydraulic connection-free return	1
Hydraulic motor, pcs	2
Required oil flow	25l/min
Hydraulic pressure, min/max bar	175-210
3 point linkage	Cat.2

V-TWIN 600

The ELHO V-Twin 600 is cost-effective!

The whole capacity of a harvester must be used when harvesting. The ELHO V-TWIN 600 front-mounted swather helps to achieve this!

The V-Twin 600 swather is built to swath all sorts of forage and straw cleanly, gently and efficiently. With the v-twin 600 you can leave the forage to dry in the fields until it is time to harvest. Swathing and harvesting simultaneously saves time, saves fuel and reduces driving in the field. The harvester/baler is more efficient when swaths have more forage. An ELHO V-Twin 600 in the front and a baler, baler-wrapper combo or pickup wagon at the back of the tractor is a very efficient way to work.

V-Twin 600 is very flexible – it can be used in the front or at the back of the tractor!

V-Twin 600 does not require a power transmission shaft, it is recommended to be mounted to a front lift or front loader to get the most advantages out of the machine.

The V-Twin 600 can be used in many different ways: on a front lift or with a reverse drive tractor (which comes standard) or on a front loader with an adapter available as additional equipment. The machine can also be used on a back lift using a drawbar with an A-frame available as additional equipment.

The V-Twin will increase work efficiency and ensure top-quality forage!

TECHNICAL SPECIFICATIONS

Working width, m	6
Swath width, m	1,2-1,3
Swathwidth adjustment mechanical	X
Tine pattern	6
Rotor diameter, mm	655
Number of rake tines, pcs	240
Transport width, m	2,4
Transport height, m	3,4
Transport length, m	2,1
Tyre size	18X8,5-8
Weight, kg	860
Hydraulic connection-single action	2
Hydraulic connection-double action	1
Hydraulic connection-free return	1
Hydraulic motor, pcs	2
Required oil flow	25l/min
Hydraulic pressure, min/max bar	175-210
3 point linkage	Cat.2
Front linkage	Cat.2
Front loader (Euro) connection	0

* Depending on swath width
** Variable track width



TWIN 4600

Increased productivity with the ELHO Twin 4600 front-mounted swather with an angled rotor.

The ELHO Twin 4600 is equipped with all the familiar benefits of other ELHO Twin models: it lifts and moves the forage or straw in the air so there is no need to ever drive over the forage. The need to drive in the fields drops by half and there is also less driving necessary directly over forage. By combining the swaths for a forage harvester/baler, harvesting time is saved the work is more efficient. The Twin 4600 is also excellent for turning and combining straw swaths. When using the Twin 4600 as a "regular" swather, two or three swaths or wide-spread can be combined effectively.

The fully hydraulic-driven Twin 4600 requires oil only 25 l/min. The standard Twin 4600 can be mounted to a front lift or a front loader (Euro II).

The ELHO Twin 4600 swather speeds up forage harvesting!

ELHO Twin 4600:

- Lifts the forage > forage stays clean
- Can be mounted to a front lift or a front loader
- Hydraulic > does not require a power transmission Shaft
- Can combine two or three swaths and turn the Swaths upside down for drying, or widespread
- Does not pick up stones

TECHNICAL SPECIFICATIONS TWIN 4600

Working width, m	4,1
Swathwidth adjustment mechanical	X
Tine pattern	6
Rotor diameter, mm	655
Number of rake tines, pcs	138
Transport width, m	3
Transport height, m	1,6
Transport length, m	2,3
Tyre size	18X8.5-8
Weight, kg	540
Hydraulic connection-single action	1
Hydraulic connection-free return	1
Hydraulic motor, pcs	1
Required oil flow	25l/min
Hydraulic pressure, min/max bar	175-210
3 point linkage	Cat.2
Front linkage	Cat.2
Front loader (Euro) connection	X

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi

TR 220

TR 300

Rapid drying is very important when producing top-quality forage.

The ELHO TR 220/300 machines can be used to turn, spread and move swath, as well as combine them. The ELHO TR features a rotor with a large diameter and double tines that are secured with wires. If they break, they will not end up in the chopper rotor of the harvester. The TR tedder's large diameter rotor results in a fluffy and clean swath that dries quickly. The TR tedders are perfect for the swathing, turning, moving and spreading of silage, dry hay and straw.

ELHO's TR 220 can be equipped with a SideFlow horizontal side elevator, which enables both tedding and combining swaths. The SideFlow horizontal elevator has a self-centering belt with large throwing power.

More than 15,000 satisfied TR users can't be wrong! TR tedders/swathers have secured a firm place in the world of forage harvesting!

ELHO TR swathers/tedders:

- The rotor lifts the forage > the forage stays clean
- Large rotor, large capacity
- Fluffs, swaths, spreads and moves
- Evenly distributed and quickly drying swath without rocks
- The TR 220 can be retrofitted with a SideFlow conveyor

TECHNICAL SPECIFICATIONS

	TR 220	TR 300
Working width, m	2,2	3
Swathwidth adjustment mechanical	-	X
Tine pattern	6	6
Rotor diameter, mm	1000	1000
Number of rake tines, pcs	74	96
Transport width, m	2,8	3
Transport height, m	1,6	1,6
Transport length, m	2	2,2
Tyre size	18X8.5-8	18X8.5-8
Weight, kg	595	550
3 point linkage	Cat.2	Cat.2



MOWER CONDITIONERS



ELHO's mower conditioners offer nothing but benefits!

► Read more:
www.elho.fi

ELHO'S MOWER CONDITIONERS COMBINE INNOVATIONS, DURABILITY, QUICK DRYING AND DRIVING COMFORT.

ELHO is specialised in manufacturing forage harvesting and forage treatment machinery, while also offering mower conditioners in a variety of different models and sizes. Many of the models contain the award winning HydroBalance suspension system and/or a HydroActive release system. We have also placed emphasis on forage quality and quick drying. Quick drying results in higher quality forage and enables faster harvesting.

Higher forage quality and faster harvesting is a win-win situation.

We offer two types of mower conditioners: cutting units with a steel finger rotor and an adjustable counter bar, and cutting units with polyurethane rollers.





ARROW NM 2400 VC ARROW NM 2800 VC

Impressive flow through the machine with high driving speeds plus fast drying results

The ELHO Arrow NM 2400 VC and NM 2800 VC mounted mower conditioners have all of the important ELHO-features built in! The centre-suspended cutting unit smoothly follows the surface of the field and the proven and durable cutter bar and conditioner unit ensures a clean cut and fast drying.

The long conditioning chamber and the forged steel fingers of the conditioning rotor with an adjustable counter bar ensure optimal drying. The HydroBalance suspension ensures top-quality forage.

NEW! In transport mode, the machine's centre of gravity is at the tractor's centreline. This keeps even the smaller tractors stable.

Top-quality mounted mower conditioners for fast forage harvesting.

ELHO Arrow NM 2400 VC / NM 2800 VC:

- Easy to use
- Quick turns on headlands thanks to the lifting cylinder
- Hydrobalance suspension
- Centre-suspended cutting unit
- in transport mode, the centre of gravity is at the tractor centreline
- Conditioning rotor, round forged steel fingers, adjustable counter bar

TECHNICAL SPECIFICATIONS Arrow NM 2400 VC Arrow NM 2800 VC

Tractor power requirement, min/max, kW *)	50-80	60-90
Minimum recommended tractor weight, kg*)	3500	4000
Cutting width, m	2,4	2,8
Number of disc	6	7
Adjustable High-skids	X	X
Round forged steel finger	X	X
Rotor width	1750	2150
Rotor speed	800/630	920
Swath width, m	0,6-1,4	0,9-1,8
HydroBalance suspension	X	X
Mechanical Release	X	X
Transport width, m	2,5	2,5
Transport machine height, m	2,75	3,1
Weight, kg	970	1050
PTO speed, 1000 rpm	0	X
PTO speed, 540 rpm	X	0
Hydraulic connection-double action	1	1
Hydraulic pressure, min/max bar	120-210	120-210
PTO connection 1 3/8"-Z6	X	X
3 point linkage	Cat.2	Cat.2

*) The tractor weight and power is determined based on the conditions

**) front mower not included

***) front mower Included



ARROW NM 3200 D ARROW NM 3200 SIDEFLOW

Excellent performing mounted mower conditioners

ELHO's large mounted mower conditioners have all of the important ELHO-features built in! The centre-suspended cutting unit smoothly follows the surface of the field and the proven and durable cutter bar ensures a clean cut. The long conditioning chamber and the forged steel fingers of the conditioning rotor with an adjustable counter bar ensure optimal drying. The HydroBalance suspension and centre-suspended cutting unit ensure top-quality forage and the HydroActive release device saves the machine if driving on an obstacle on the field. The machines turn quickly on headlands: the tractor lift arms stay in their position while the cutting unit is lifted using the machine's lifting cylinder. All ELHO's mower conditioners and mowers feature the same smooth-cutting, safe and durable cutter bar.

Powerful, wide-mounted mower conditioners for fast forage harvesting.

ELHO Arrow NM 3200 / SIDEFLOW 3200 / Arrow NM 3700:

- Easy to use and highly efficient used with a medium-sized tractor
- Quick turns on headlands thanks to the lifting cylinder
- Hydrobalance suspension, hydroactive release
- Centre-suspended cutting unit
- Conditioning rotor, round forged steel fingers, adjustable counter bar

TECHNICAL SPECIFICATIONS Arrow NM 3200 D SIDEFLOW

Tractor power requirement, min/max, kW *)	80-110	120-160 ***)
Minimum recommended tractor weight, kg*)	5500	6500
Requires minimum front mower, m		3,2
Cutting width, m	3,2	3,2
Number of disc	8	8
Adjustable High-skids	X	X
Round forged steel finger	X	X
Rotor width	2500	2500
Rotor speed	920	920
Swath width, m	1,3-2,1	2,5 **)
Merged swath width, m	-	1,4-2,3
Wide spread	-	X
Auger Swath combiner	-	X
HydroBalance suspension	X	X
HydroActive Release	X	X
Transport width, m	2,5	2,5
Transport machine height, m	3,7	3,7
Weight, kg	1250	2150
PTO speed, 1000 rpm	X	X
Hydraulic connection-single action	1	1
Hydraulic pressure, min/max bar	160-210	160-210
PTO connection 1 3/8"-Z6	X	X
3 point linkage	Cat.2/3	Cat.2/3

X = Standard • 0 = Option - - = Not available • Additional equipment: www.elho.fi



ARROW 3200 C ARROW 3700 C

The ELHO Arrow 3200 and Arrow 3700 are ELHO's progressive, trailed mower conditioners, which combine ELHO's reliable basic solutions, excellent cutting properties and enjoyable operation.

The conditioning rotor has straight pendulum flails with rounded edges and a spring-loaded counter bar. This solution is a tried-and-tested way of providing the quickest drying. The large, adjustable back plate of a very spacious conditioning chamber turns the forage shower down in an even, fluffy and fast-drying swath. The conditioning chamber also enables widespread without additional equipment. An even, clean and airy swath is a prerequisite for high-quality bale forage. Low-profile oval discs and optimally designed stone guards ensure a tidy and clean mowing trail.

These models come standard with ELHO's HydroBalance suspension system, which lightens the cutter bar straight above the cutting bar. Adjusting the HydroBalance suspension is very easy. The knob next to the pressure gauge is used to adjust the suspension as desired.

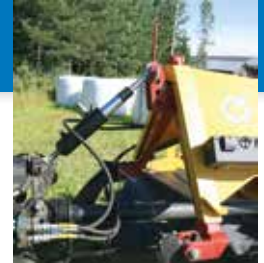
Both models come with 380/55-17 low-profile tyres as standard. An additional equipment feature, among others: the SideFlow 3 side conveyor.

ELHO Arrow 3200 / Arrow 3700:

- Cutting unit can be lifted high on headlands to prevent swath disturbance
- Highly load-bearing wide tyres come standard
- Quick turns on headlands; end cushioning of the boom cylinder
- Adjustable hydrobalance system comes standard
- Widespread possibility comes standard
- Easy to service
- Conditioning rotor, round forged steel fingers, adjustable counter bar

ARROW NM 3200 FRONT ARROW NM 3700 FRONT

Finally a front mower conditioner with all the benefits of a trailed mower conditioner!



This machine is powerful, has good handling, the HydroBalance suspension system and the Pendulum Centre System (PCS). The frame allows the cutter bar to follow the field surface freely and avoid obstacles. The front machines works like trailed, the mowing unit is pulled from one point directly above the cutter bar, have two pendulum rear supports and a lifting/HydroBalance cylinder – a mower conditioner cannot get any better than this!

An additional equipment, the HydroBalance top link, gives the machine extra freedom to move in a more controlled manner. The ELHO front mower conditioners can give more cutting power to existing trailed mowers and mounted mower conditioners. When combining an Arrow NM 3200 Front with an NM 9000 Delta, even large fields can be easily covered. An Arrow MN 3700 Front combined with an NM 10500 Delta is a highly efficient and easy to drive solution for large areas and heavy usage.

ELHO Arrow NM 3200 Front / Arrow NM 3700 Front:

- Pendulum centre system (pcs) for the mowing unit, which allows the machine to move more freely
- Cutting unit is pulled from a point right above the front edge of the cutter bar
- Upon collision, the cutting unit moves back and up (reducing the power of the impact by 50%)
- Hydrobalance suspension
- Flexible suspension between the cutting unit and the load-bearing frame
- Conditioning rotor, round forged steel fingers, adjustable counter bar

TECHNICAL SPECIFICATIONS Arrow 3200 C Arrow 3700 C

TECHNICAL SPECIFICATIONS	Arrow 3200 C	Arrow 3700 C
Tractor power requirement, min/max, kW *)	60-90	70-100
Cutting width, m	3,2	3,7
Number of disc	8	9
Adjustable High-skids	X	X
Round forged steel finger	X	X
Rotor width	2500	2500
Rotor speed	900/1100	900/1100
Swath width, m	1,3-2,5	1,3-2,5
Wide spread	X	X
HydroBalance suspension	X	X
Spring suspension	X	X
Transport width, m	3,1	3,5
Tyre size	380/55-17	380/55-17
Optional tyre size	-	480/55-17
Weight, kg	2100	2300
PTO speed, 1000 rpm	X	X
PTO speed, 750 rpm	0	0
PTO speed, 540 rpm	X	-
Hydraulic connection-single action	1+1	1+1
Hydraulic connection-double action	1	1
Hydraulic pressure, min/max bar	160-210	160-210
PTO connection 1 3/8"-Z6	X	X
3 point linkage	Cat.2	Cat.2

TECHNICAL SPECIFICATIONS NM 3200 Front NM 3700 Front

TECHNICAL SPECIFICATIONS	NM 3200 Front	NM 3700 Front
Tractor power requirement, min/max, kW *)	60-90	70-100
Minimum recommended tractor weight, kg*)	5000	6000
Cutting width, m	3,2	3,7
Number of disc	8	9
Adjustable High-skids	X	X
Round forged steel finger	X	X
Rotor width	2500	2500
Rotor speed	920	920
Swath width, m	1,2-1,8	1,2-1,8
HydroBalance suspension	X	X
HydroActive Release	X	X
Transport width, m	3	3,5
Weight, kg	1100	1250
PTO speed, 1000 rpm	X	X
PTO speed, 750 rpm	0	0
Hydraulic connection-single action	1	1
Hydraulic pressure, min/max bar	140-210	150-210
PTO connection 1 3/8"-Z6	X	X
3 point linkage	Cat.2/3	Cat.2/3

*) The tractor weight and power is determined based on the conditions

**) front mower not included

***) front mower included

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi



DUETT 7300

Owner of a reverse-drive tractor: utilise the properties of a self-propelled harvester in your tractor-mower conditioner combination!

The ELHO Duett 7300 mower conditioner is perfect for large fields and is designed solely for tractors with reverse-drive equipment. The reverse drive tractor and machine combination offers excellent driving, control and visibility. As the combo allows the rear wheels to turn, it is very agile and has high capacity. What's more, you don't have to drive on the forage.

The mower unit consists of two cutter bars (2 x 3.7 m) that are automatically connected when the cutting units are lowered. The cutter bars form one 7.3 m-wide cutting unit that doesn't leave strips of uncut grass, even in sharp bends.

The cutting units have HydroBalance suspension, which allows them to gently follow the surface of the field while forming high swaths that dry quickly on either side of the tractor. The swaths are perfect for round balers. The HydroBalance suspension system allows for a high driving speed while still ensuring that the forage stays clean.

The transition from work mode to transport mode and vice versa is quick because the wings only need to be lifted or lowered, and the driver doesn't have to exit the cabin.

ELHO Duett 7300:

- Ergonomic driving position saves you from back and neck pain
- Best possible view over the area of operation
- High capacity
- Extremely agile
- Does not require driving on the forage
- The swaths are perfect for baling
- Conditioning rotor, round forged steel fingers, adjustable counter bar

ARROW NM 9000 DELTA ARROW NM 9000 DELTA SIDEFLOW

ELHO's butterfly mower conditioner Arrow NM 9000 Delta is state of the art, and does not require a large tractor; a medium tractor is sufficient.

The Delta is the perfect mower conditioner for contractors and large farms. This powerful machine has optimal weight distribution, excellent usability, HydroBalance suspension system and HydroActive release system.

The steel finger rotor and adjustable counter bar facilitate quick drying. The machine is operated with the tractor's own control system.

SideFlow swath combiner is a new efficient auger-type swath combiner. Watch the video at www.elho.fi. The SideFlow features adjustable swath width, automatic overload protection and widespread capability. The SideFlow provides the mower conditioner with more use options, which is an advantage especially for contractors.

The ELHO:n NM 9000 Delta makes even large surface areas seem small.

ELHO Arrow NM 9000 Delta:

- Low weight and even weight distribution
- Low power requirement; can be used with a relatively small tractor
- High capacity
- Hydroactive release and hydrobalance suspension
- Quick transfer between transport position and work position
- Conditioning rotor, round forged steel fingers, adjustable counter bar

TECHNICAL SPECIFICATIONS DUETT 7300

Tractor power requirement, min/max, kW *)	140-180
Cutting width, m	7,3
Number of disc	18
Adjustable High-skids	X
Round forged steel finger	X
Rotor width	2x2150
Rotor speed	920
Swath width, m	2x1,3-1,7
HydroBalance suspension	X
Mechanical Release	X
Transport width, m	2,8
Transport machine height, m	4
Weight, kg	2700
PTO speed, 1000 rpm	X
Hydraulic connection-single action	3
Hydraulic connection-double action	1
Hydraulic pressure, min/max bar	180-210
PTO connection 1 3/4"-Z20	X
3 point linkage	Cat.3

TECHNICAL SPECIFICATIONS NM 9000 Delta SIDEFLOW

	NM 9000 Delta	SIDEFLOW
Tractor power requirement, min/max, kW *)	150-180 ***)	160-200 ***)
Requires minimum front mower, m	3,2	3,2
Cutting width, m	9	9
Number of disc	16	16
Adjustable High-skids	X	X
Round forged steel finger	X	X
Rotor width	2x2500	2x2500
Rotor speed	920	920
Swath width, m	2x1,3-2,1 **)	2x2,5 **)
Merged swath width, m	-	1,4-2,3
Wide spread	-	X
Auger Swath combiner	-	X
HydroBalance suspension	X	X
HydroActive Release	X	X
Transport width, m	3	3
Transport machine height, m	3,7	3,7
Weight, kg	2500	3000
PTO speed, 1000 rpm	X	X
Hydraulic connection-single action	2	2
Hydraulic pressure, min/max bar	140-210	160-210
PTO connection 1 3/8"-Z6	X	X
3 point linkage	Cat.2/3	Cat.2/3

*) The tractor weight and power is determined based on the conditions

***) front mower not included

**) front mower Included

X = Standard • 0 = Option - - = Not available • Additional equipment: www.elho.fi



ARROW NM 10500 DELTA ARROW NM 10500 DELTA SIDEFLOW

The wide ELHO Arrow NM 10500 Delta butterfly mower conditioner can cover large areas and provides driving comfort without compromising the forage quality.

An ELHO Arrow NM 10500 Delta mower conditioner together with an Arrow 3700 Front mower conditioner is an unbeatable combination. The machine has adjustable working width from 9.4 m to 10.5 m. When covering large areas, mowing must be easy, accurate and efficient. The driver should only focus on driving, rather than on pulling levers and pushing buttons. ELHO has the perfect solution!

ELHO's Opus control system is easy to use and to adjust according to your own taste. For example, when driving in curves, the Opus controller alongside the GPS ensures that the left or right mower unit is drawn in depending on which way the curve bends and then pushes the unit back out once the curve is passed. On headlands, the front mower conditioner is lifted up or down with the push of a button and the GPS ensures that the rear mower units are lifted up or down at the same spot.

The Arrow NM 10500 Delta has the automatic AutoBalance suspension system, which adjusts the suspension automatically according to the mowing conditions. The 10500 Delta has also the HydroActive release – if hitting an obstacle the unit goes backwards and up and it comes automatically back when the obstacle is passed.

The ELHO Opus control system also monitors the temperature of critical components and triggers an alert if the temperature of components starts rising. All functions can be controlled from the cabin with the easy-to-use ELHO Opus control unit. The system takes care of most of the job -but not the driving!

For contractors and larger farms that need more mowing power, the ELHO Arrow NM 10500 Delta is the perfect choice. Choose the 10500 Delta – you won't regret it!

SideFlow swath combiner is a new efficient auger-type swath combiner. Watch the video at www.elho.fi. The SideFlow features adjustable swath width, automatic overload protection and widespread capability. The SideFlow provides the mower conditioner with more use options, which is an advantage especially for contractors.



ELHO Arrow NM 10500 Delta:

- very large working width with a 1.1 m width adjustment range
- AutoBalance automatic suspension system
- HydroActive release
- ACC Automatic Curve Compensation, fully automatic by GPS
- HA Headland Automatics, automatic by GPS
- MC Maintenance Control
- Conditioning rotor, round forged steel fingers, adjustable counter bar

TECHNICAL SPECIFICATIONS

	Arrow NM 10500 Delta	10500 Delta SIDEFLOW
Tractor power requirement, min/max, kW *)	180-240 ***)	190-260 ***)
Requires minimum front mower, m	3,2	3,2
Cutting width, m	9,4-10,5	9,4-10,5
Number of disc	18	18
Adjustable High-skids	X	X
Round forged steel finger	X	X
Rotor width	2x2150	2x2150
Rotor speed	900/1100	900/1100
Swath width, m	2x1,3-1,7	2x2,2 **)
Merged swath width, m	-	1,6-2,5
Auger Swath combiner	-	X
HydroBalance suspension	X	X
HydroActive Release	X	X
Transport width, m	3	3
Transport machine height, m	4	4
Weight, kg	2900	3400
PTO speed, 1000 rpm	X	X
Power beyond	P,T,LS	P,T,LS
Hydraulic pressure, min/max bar	180-210	180-210
PTO connection 1 3/4"-Z20	X	X
3 point linkage	Cat.3	Cat.3

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi

*) The tractor weight and power is determined based on the conditions

**) front mower not included

***) front mower Included



ROLLER MOWER CONDITIONERS



► Read more:
www.elho.fi

THE ELHO ROLLER MOWER CONDITIONERS ARE SPECIALLY FOR LEAF RICH FODDER PLANTS

A Roller mower conditioner handles the fodder more gently than a steel-finger mower conditioner. Thanks to that the profiled rollers do not touch each other while rotating they do not damage sensitive plant parts.

ELHO has been manufacturing Roller mower conditioners for decades. The Roller mower conditioners have long been common in southern Europe. Now that the northern parts also grow more and more of leaf rich fodder the Rollers are used also more in these parts. In the ELHO wide range of Roller mower conditioners you can find 3P-mounted, front, towed and "butterfly" Roller conditioners. The profiled rollers are especially suitable for sensitive, leaf rich fodder as lucerne and others.





ARROW 3200 FRONT ROLLER

Finally front roller mower conditioners with all the benefits of trailed mower conditioners!

These machines are powerful and have good handling. The Arrow 3200 Front Roller features the Pendulum Centre System (P C S) suspension system and both models have the HydroBalance suspension. ELHO's roller mower conditioners treat leafy and sensitive forage types gently. The frame allows the cutter bar to follow the field surface lightly and avoid obstacles – a conditioner cannot get any better than this!

An additional equipment feature the HydroBalance top link increases the machine's freedom to move and to work in a more controlled manner.

The ELHO front roller mower conditioners can give more mowing power to existing trailed mowers and mounted roller mower conditioners. When combining a 3200 Front Roller with an NM 9000 Delta Roller, even large fields can be easily covered.

ELHO Arrow 3200 Front Roller:

- Arrow 3200 front roller: pcs suspension system allows the Machine to move more freely
- Cutting unit is pulled from a point right above the front edge of the cutter bar
- Upon collision, the cutting unit moves back and up
- Hydrobalance suspension
- Flexible suspension between the cutting unit and the load-bearing frame

ARROW 3200 P ROLLER

The Arrow 3200 P Roller are ELHO's progressive, trailed roller mower conditioner which combine ELHO's reliable basic solutions, excellent cutting properties and enjoyable operation.

ELHO's polyurethane roller mower conditioner treat leafy and sensitive forage gently. The adjustable, spring-mounted and profiled polyurethane rollers do not break the plant stalks when the mass goes through the roller. The rollers only crack the stalks and leaves, this solution is a tried-and-tested way of providing the quickest drying.

The conditioning chamber also enables widespread without additional equipment. Oval low-profile discs with angled knives ensure a tidy and clean mowing trail.

These models have ELHO's HydroBalance Suspension system as standard. This system lifts the cutter bar right above the cutting point. Adjusting the HydroBalance suspension is very easy. The knob next to the pressure gauge is used to adjust the suspension as desired. The stubble height can easily be adjusted from the right side of the machine. An additional equipment feature, among others: the SideFlow 3 side conveyor.

ELHO's roller mower conditioners are perfect for the leafy forage!

ELHO Arrow 3200 P Roller:

- Cutting unit can be lifted high on headlands to prevent swath disturbance
- Wide tyres
- Quick turns on headlands; end cushioning of the boom cylinder
- Widespread as standard
- Easy to service

TECHNICAL SPECIFICATIONS Arrow 3200 Front Roller

Tractor power requirement, min/max, kW *)	60-90
Minimum recommended tractor weight, kg*)	5000
Cutting width, m	3,2
Number of disc	8
Adjustable High-skids	X
Polyurethane Chevron	X
Roller width	2500
Roller speed	920
Swath width, m	1,2-1,8
HydroBalance suspension	X
HydroActive Release	X
Transport width, m	3
Weight, kg	1210
PTO speed, 1000 rpm	X
PTO speed, 750 rpm	0
Hydraulic connection-single action	1
Hydraulic pressure, min/max bar	140-210
PTO connection 1 3/8"-Z6	X
3 point linkage	Cat.2/2

TECHNICAL SPECIFICATIONS Arrow 3200 P Roller

Tractor power requirement, min/max, kW *)	60-90
Cutting width, m	3,2
Number of disc	8
Adjustable High-skids	X
Polyurethane Chevron	X
Roller width	2500
Roller speed	1000
Swath width, m	1,3-2,5
Wide spread	X
HydroBalance suspension	X
Transport width, m	3,1
Tyre size	11,5/80-15,3
Optional tyre size	380/55-17
Weight, kg	1970
PTO speed, 1000 rpm	X
PTO speed, 750 rpm	0
PTO speed, 540 rpm	X
Hydraulic connection-single action	1+1
Hydraulic connection-double action	1
Hydraulic pressure, min/max bar	160-210
PTO connection 1 3/8"-Z6	X
3 point linkage	Cat.2

*) The tractor weight and power is determined based on the conditions

**) front mower not included

***) front mower Included

X = Standard • 0 = Option - - = Not available • Additional equipment: www.elho.fi



ARROW NM 9000 DELTA ROLLER ARROW NM 9000 DELTA ROLLER SIDEFLOW

ELHO's butterfly mower conditioner Arrow NM 9000 Delta Roller is state of the art but does not require a large tractor; a medium-sized tractor will certainly suffice.

The Delta Roller is the perfect roller mower conditioner for contractors and large farms. This powerful machine has optimal weight distribution, excellent usability, HydroBalance suspension system and HydroActive release system. The machine is operated with the tractor's own control equipment.

The machine's profiled polyurethane rollers do not break sensitive or leafy forage plants when mowing. The forage goes between the rollers and presses the stalks and leaves, this gives the fastest drying of a roller swath.

SideFlow swath combiner is a new efficient auger-type swath combiner. Also with the SideFlow the swath width can be adjusted. Automatic overload protection and widespread possibility as standard. The SideFlow gives the mower conditioner more use options, which is an advantage especially for contractors.

The ELHO:n NM 9000 Delta Roller makes even large areas seem small.

ELHO Arrow NM 9000 Delta:

- low and even weight distribution.
- low power requirement; can be used with a relatively small tractor
- high capacity
- HydroActive release and HydroBalance suspension
- quick transfer between transport position and work position

ARROW NM 2400 VCR ARROW NM 2800 VCR ARROW NM 3200 DR

Roller mower conditioners for leafy and sensitive plants

ELHO roller mower conditioners have all of the important ELHO-features built in! The centre-suspended cutting unit smoothly follows the surface of the field and the proven, durable cutter bar ensures a clean cut. The HydroBalance suspension ensures that the forage stays clean.

NEW! In transport mode, the 2400 and 2800 VCR cutting units turn 120°. This keeps the centre of gravity on the tractor centreline and smaller tractors can be used.

The large Arrow NM 3200 Roller is equipped with the HydroActive release device, standard. The unit is in a vertical position during transport.

Top-quality roller mower conditioners for fast forage harvesting.

ELHO Arrow Roller roller mower conditioners:

- rollers do not break sensitive plants
- easy to use
- quick turns on headlands, thanks to the lifting cylinder
- HydroBalance suspension

TECHNICAL SPECIFICATIONS 9000 Delta Roller SIDEFLOW

	9000 Delta Roller	SIDEFLOW
Tractor power requirement, min/max, kW *)	140-180 ***)	160-200 ***)
Requires minimum front mower, m	3,2	3,2
Cutting width, m	9	9
Number of disc	16	16
Adjustable High-skids	X	X
Polyurethane Chevron	X	X
Roller width	2x2500	2x2500
Roller speed	920	920
Swath width, m	2x1,3-2,1 **)	2x2,5 **)
Merged swath width, m	-	1,4-2,3
Wide spread	-	X
Auger Swath combiner	-	X
HydroBalance suspension	X	X
HydroActive Release	X	X
Transport width, m	3	3
Transport machine height, m	3,7	3,7
Weight, kg	2750	3250
PTO speed, 1000 rpm	X	X
Hydraulic connection-single action	2	2
Hydraulic pressure, min/max bar	140-210	160-210
PTO connection 1 3/8"-Z6	X	X
3 point linkage	Cat.2/3	Cat.2/3

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi

TECHNICAL SPECIFICATIONS 2400 VCR 2800 VCR 3200 DR

	2400 VCR	2800 VCR	3200 DR
Tractor power requirement, min/max, kW *)	50-80	60-90	80-110
Minimum recommended tractor weight, kg*)			5500
Cutting width, m	2,4	2,8	3,2
Number of disc	6	7	8
Adjustable High-skids	X	X	X
Polyurethane Chevron	X	X	X
Roller width	1750	2150	2500
Roller speed	920	920	920
Swath width, m	0,6-1,4	0,9-1,8	1,3-2,1
HydroBalance suspension	X	X	X
HydroActive Release	-	-	X
Mechanical Release	X	X	-
Transport width, m	2,5	2,5	2,5
Transport machine height, m	2,75	3,1	3,7
Weight, kg	1050	1150	1350
PTO speed, 1000 rpm	0	X	X
PTO speed, 540 rpm	X	0	-
Hydraulic connection-single action			1
Hydraulic connection-double action	1	1	
Hydraulic pressure, min/max bar	120-210	120-210	160-210
PTO connection 1 3/8"-Z6	X	X	X
3 point linkage	Cat.2	Cat.2	Cat.2/3

*) The tractor weight and power is determined based on the conditions
 **) front mower not included
 ***) front mower included



CUTTING-EDGE DISC MOWERS



► Read more
www.elho.fi

ELHO'S CUTTING-EDGE DISC MOWERS ARE BUILT TO LAST

ELHO's disc mowers feature a sturdy structure and yield excellent mowing patterns. Several models also include the award-winning HydroBalance suspension system, which enables the machine to lightly follow the ground, ensuring top-quality forage.

HydroBalance also saves fuel by lightening the weight of the machine, ensuring soft ground contact without any springs. The system immediately reacts softly to any changes in the surface of the ground.

Mounted disc mowers feature the same strong cutter bar as ELHO's mower conditioners, and the power transmission from the tractor is optimised.

Thanks to their versatility, the mounted disc mowers are suitable for forage mowing and landscape care.





ARROW NK 2400 ARROW NK 2800

The ELHO front-mounted disc mowers feature the same durable cutter bar and structure as ELHO's mower conditioners and provide excellent mowing results.

The disc mowers also provide a low-priced yet powerful option for mowing. The two Arrow-range models, the NK 3300 Front, fit a tractor's front lift device. The latter model is also recommended to complement the Arrow NK 9000 Delta and NK 10500 Delta models. The standard NK Front models come with the HydroBalance and the CPS suspension system, which guarantee top-quality forage and smooth cutting-head movement.

Additional equipment also includes the HydroBalance top link, which makes the front-mounted mower even more flexible.

The ELHO front-mounted mowers and mower conditioners are also suitable for reverse-drive tractors. The required modifications are made at the factory.



TECHNICAL SPECIFICATIONS ARROW NK 2400 ARROW NK 2800

Tractor power requirement, min/max, kW *)	40-70	50-80
Cutting width, m	2,4	2,8
Number of disc	6	7
Adjustable High-skids	0	0
Spring suspension	X	X
Mechanical Release	X	X
Transport width, m	1,2	1,2
Transport machine height, m	2,7	3,15
Weight, kg	525	570
PTO speed, 540 rpm	X	X
Hydraulic connection-single action	1	1
PTO connection 1 3/8"-Z6	X	X
3 point linkage	Cat.2	Cat.2

ARROW NK 3200 FRONT

ELHO's mounted disc mowers feature the same cutter bar as ELHO's mower conditioners, a durable structure and excellent mowing results

The low-priced and durable ELHO Arrow NK mounted disc mowers are worthwhile options for mowing. In addition to the hydraulic lift of the cutting unit, these machines are equipped with the same durable cutter bars, mowing discs and slide shoes as ELHO's mower conditioners. Thanks to their versatility, the mowers are suitable for forage mowing and landscape care

The versatile ELHO mounted mower for all your mowing needs!

ELHO NK mounted mowers

- The same durable cutter bar as in the mower conditioners
- Quick turns on headlands thanks to the lifting cylinder
- Easy to use
- Vertical transport position
- Reliable operation, both hydraulic and mechanic locking during transport

TECHNICAL SPECIFICATIONS Arrow NK 3200 FRONT

Tractor power requirement, min/max, kW *)	60-90
Minimum recommended tractor weight, kg*)	4500
Cutting width, m	3,3
Number of disc	8
Adjustable High-skids	X
HydroBalance suspension	X
HydroActive Release	X
Transport width, m	3,15
Weight, kg	800
PTO speed, 1000 rpm	X
PTO speed, 750 rpm	0
Hydraulic connection-single action	1
Hydraulic pressure, min/max bar	140-210
PTO connection 1 3/8"-Z6	X
3 point linkage	Cat.2/2

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi



ARROW NK 3200

ELHO's wide, mounted disc mowers are perfect for demanding uses.

An effective combination is, for example, an ELHO Arrow NK 3300 front-mounted disc mower and an Arrow NK 3200 or 3700 mounted disc mower. The combination offers a total cutting width of approximately 6.5–7 metres, which means that you can cover very large areas in a single day.

To secure top-quality forage, the wide disc mower models NK 3200 and NK 3700 feature the award-winning HydroBalance suspension and the HydroActive release, standard. The forage stays clean, the machine is protected against damage and the tractor's capacity is used more effectively.

ELHO's wide disc mowers are equipped with the same durable cutter bars, mowing discs and slide shoes as ELHO's mower conditioners.

ARROW NK 9000 DELTA

Combine an Arrow NK 9000 Delta double disc mower and an Arrow NK 3300 front-mounted disc mower into one wide, efficient, durable and affordable disc mower unit!

ELHO's double disc mower Arrow NK 9000 Delta is state of the art, but does not require a large tractor; a medium-sized tractor will certainly be sufficient.

Arrow NK 9000 Delta is the perfect disc mower for contractors and large farms. This powerful machine has optimal weight distribution, excellent usability, the HydroBalance suspension system and the HydroActive release system. The HydroBalance suspension reacts quickly and ensures that the forage stays clean. It also enables a swift driving speed. The HydroActive release system activates automatically: if the cutting unit collides with something, the unit lifts backwards and up. Once the machine has passed the obstacle, the cutting unit goes back to the normal working position. This saves time, money and effort.

The Arrow NK 9000 Delta/Arrow NK 3300 Front combination is operated with the tractor's own control equipment.

ELHO Arrow NK 3200

- Powerful disc mowers that are also suitable for smaller tractors
- quick turns on headlands thanks to the lifting cylinder
- Easy to use
- Vertical transport position
- Reliable operation, both hydraulic and mechanic locking during Transport

ELHO Arrow NK 9000 Delta

- High capacity, 9 m working width
- Low power requirement, can be used with a relatively small tractor
- HydroBalance automatic suspension
- HydroActive release

TECHNICAL SPECIFICATIONS Arrow NK 3200

Tractor power requirement, min/max, kW *)	60-90
Minimum recommended tractor weight, kg*)	4000
Cutting width, m	3,2
Number of disc	8
Adjustable High-skids	X
HydroBalance suspension	X
HydroActive Release	X
Transport width, m	2,5
Transport machine height, m	3,8
Weight, kg	920
PTO speed, 1000 rpm	X
PTO speed, 540 rpm	0
Hydraulic connection-single action	1
Hydraulic pressure, min/max bar	140-210
PTO connection 1 3/8"-Z6	X
3 point linkage	Cat.2/3

TECHNICAL SPECIFICATIONS Arrow NK 9000 Delta

Tractor power requirement, min/max, kW *)	110-150 ***)
Requires minimum front mower, m	3,2
Cutting width, m	9
Number of disc	16
Adjustable High-skids	X
HydroBalance suspension	X
HydroActive Release	X
Transport width, m	3
Transport machine height, m	3,7
Weight, kg	1780**)
PTO speed, 1000 rpm	X
Hydraulic connection-single action	2
Hydraulic pressure, min/max bar	150-210
PTO connection 1 3/8"-Z6	X
3 point linkage	Cat.2/3

*) The tractor weight and power is determined based on the conditions

**) front mower not included

***) front mower included

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi



ARROW NK 10500 DELTA

ELHO's Arrow NK 10500 Delta is state of the art!

The ELHO Arrow NK 10500 Delta double disc mower features all the top features of the Arrow 10500 Delta mower conditioner and more! The NK 10500 can be used as a standard butterfly disc mower and also on a tractor with reverse drive (rear mounting frame and front mounting frame available as additional equipment).

The ELHO disc mowers have the same sturdy cutter bars and cutting discs as mower conditioners. It ensures good cutting performance and durability and top-quality forage!

The NK 10500 Delta disc mower is equipped with the same easy-to-use ELHO Opus controller and software, and has the same operating functions as the NM 10500 Delta mower conditioner.

Mowing made easy!

The ELHO Opus control unit ensures comfort of the highest class! After the easy set-up, you only need to operate some buttons during mowing. For ex.: press a button to go to or from transport mode, or press a button and the left, right, both or all mower units rise.

The machine also features automatic curve compensation with GPS. At the headland you push a button to lift the front unit up or lowers it down - the rear mower units goes up or down automatically at the same spot, this is also GPS controlled. This makes the 10500 Delta really easy to drive. Critical components as the gearboxes has also an alarm system and will alarm the driver if the temperature rises.

The Arrow NK 10500 is also equipped with the AutoBalance automatic suspension system. The AutoBalance system adjusts the suspension automatically according to the mowing conditions, sensors constantly monitor the height of the mower units and automatically make adjustments if needed. The wide 10500 is really very easy to drive!

ELHO Arrow NK 10500 Delta

- Very large working width with a 1.1 m width adjustment range
- AutoBalance automatic suspension system
- HydroActive release
- ACC Automatic Curve Compensation, fully automatic by GPS
- HA Headland Automatics, automatic by GPS
- MC Maintenance Control

TECHNICAL SPECIFICATIONS Arrow NK 10500 DELTA

Tractor power requirement, min/max, kW *)	120-160 (***)
Requires minimum front mower, m	3,2
Cutting width, m	9,4-10,5
Number of disc	18
Adjustable High-skids	X
HydroBalance suspension	X
HydroActive Release	X
Transport width, m	3
Transport machine height, m	4
Weight, kg	2300(**)
PTO speed, 1000 rpm	X
Power beyond	P,T,LS
Hydraulic pressure, min/max bar	180-210
PTO connection 1 3/4"-Z20	X
3 point linkage	Cat.3

*) The tractor weight and power is determined based on the conditions

**) front mower not included

***) front mower Included

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi



MULCHERS



ELHO has vast experience in manufacturing mulchers suitable for professional use

► Read more
www.elho.fi

ELHO'S MULCHERS ARE DESIGNED FOR FULL-TIME PROFESSIONAL USE. THE MACHINES IN THE SIDETCHOPPER RANGE ARE DEVELOPED AND MANUFACTURED IN FINLAND FOR DEMANDING CONDITIONS AND DEMANDING USERS!

The ELHO SideChopper Pro rotor mulchers have excellent reach, they also feature a sturdy structure and a rotor equipped with double-row spherical bearings and changeable axles. The machines withstand impact very well and include functional, heavy hammer knives standard.

The SideChopper Tornado chain mulchers are the right choice particularly for rocky areas along with those where the length of the brush chaff is not a defining issue. Its strong chain heads and thick chains clear even thick thickets.

The ELHO SideChopper TPM machine arms are designed for professional use. The reaches and working widths of the TPM machine arms are sufficient for the most difficult places as well.





SIDETCHOPPER TPM 520 PRO

When ultimate reach is required, SideChopper TPM 520 Pro power arm is an excellent choice

The ELHO SideChopper TPM 520 Pro power arms are developed for full-time work and are a natural choice for contractors and other demanding users that require reach. These power arms have extensive reach: they reach over railings and plough markers, cut six meters vertical and reach down to the water level, even in deep and wide ditches.

The power transmission for the SideChopper TPM Pro power arms is fully mechanical with high-powered V-belts and a gear box. The cutting unit can be used in all positions and angles, even upside-down above the cabin. Horizontal and vertical movements are adjusted hydraulically. The PTO shaft is equipped with an over running clutch.

ELHO SideChopper TPM power arm

- Extensive reach
- Choose the cutting unit according to your needs
- Flexible: can be used in any position
- Effective mechanical power transmission
- Low operating costs



Note! The above cutting units are designed for the SideChopper TPM Power arms.

TECHNICAL SPECIFICATIONS Sidechopper TPM 520 PRO

Tractor power requirement, min/max, kW *)	70-110
Minimum recommended tractor weight, kg*)	6500
Cutting width, m	2,1
Maximum reach, m	5,2
Hydraulic side shift, m	3
Mulcher unit tilt (up/down)	180°/90°
Number of knives	20
Weight, kg	1900
PTO speed, rpm	1000
Hydraulic pressure, min/max bar	170-210
3 point linkage	Cat.3
Hydraulic connection-double action	4
Hydraulic connection-free return	1
Friction torque limiter	X
Overrunning clutch	X

*) The tractor weight and power is determined based on the conditions

Machine arm without the cutting unit

TECHNICAL SPECIFICATIONS are given without obligation and may be amended without prior notice. Rights to structural changes are reserved. The price list valid at the time of sale takes precedent in matters of prices and equipment. Contact your local retailer for more information.

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi



SIDETCHOPPER 420 PRO

Effective mulcher for professional bush, shrub and brushwood clearances, roadside mowing, managing fallow land and pastures, and forest roadside mowing.

The ELHO SideChopper 420 Pro are reliable, durable and excellent machines for professional use. Their reach is up to 4.2 metres from the tractor centreline.

The SideChopper Pro mulchers are designed for the demanding conditions of Finland, and thanks to their proven durability, their export volume keeps increasing year after year. The SideChopper mulchers clear even thick thickets. The durable 1.3 kg hammer knives featuring 20 mm bolts come standard. Alternatively, highly efficient YI knife sets for mowing grass, fallow land and shrubbery are available.

**For professional use and demanding conditions:
ELHO SideChopper 420 Pro.**

ELHO SideChopper 420 Pro

- Extensive reach: 4.2
- Designed in Finland for rocky environments
- Hydraulic release comes standard
- Durable cutting unit and side shift
- Large rotor and durable hammer knives with bolt diameter of 20 mm

TORNADO 440

The ELHO Tornado chain mulchers are designed for heavy professional use.

The chains of the ELHO Tornado cutting units are hardened and their material thickness is 13 mm. The wide cutting unit cuts very well and the chain unit is equipped with a link storage compartment. The chain mulcher is equipped with PTO shafts and a solid angle gear box. The mulcher unit has a solid build and stays very clean inside.

The Tornado 440 is a very agile chain mulcher for general use. The Tornados can reach the bottom of even wide ditches and make it easy to keep field and forest edges clear. The frame and side shift construction of the Tornado 440 is familiar from the SideChopper Pro range. The strong, durable structure offers the machine a wide reach. Thanks to the frame structure, visibility from the tractor is high. The popularity of the Tornado 440 keeps growing, and today the model is also exported to a number of countries.

ELHO Tornado chain mulcher:

- Wide working width
- Low cutting unit deadweight
- Efficient, durable and reliable, particularly in rocky areas
- Hardened chains with 13 mm links and a "link storage Compartment" in the rotor unit
- Have passed the stone chipping test in accordance with the En 13524 standard

TECHNICAL SPECIFICATIONS

SideChopper 420 Pro

Tractor power requirement, min/max, kW *)	50-80
Minimum recommended tractor weight, kg*)	3500
Cutting width, m	2,1
Maximum reach, m	4,2
Hydraulic side shift, m	1,8
Mulcher unit tilt (up/down)	90°/45°
Number of knives	20
Weight, kg	890
PTO speed, rpm	540
Hydraulic pressure, min/max bar	170-210
3 point linkage	Cat.2
Hydraulic connection-single action	1
Hydraulic connection-double action	1
Overrunning clutch	X

TECHNICAL SPECIFICATIONS

Tornado 440

Tractor power requirement, min/max, kW *)	50-81
Minimum recommended tractor weight, kg*)	3500
Cutting width, m	1,6
Maximum reach, m	4,4
Hydraulic side shift, m	1,8
Mulcher unit tilt (up/down)	90°/40°
Weight, kg	800
PTO speed, rpm	540
Hydraulic pressure, min/max bar	170-210
3 point linkage	Cat.2
Hydraulic connection-single action	1
Hydraulic connection-double action	1
Friction torque limiter	X
Overrunning clutch	X

*) The tractor weight and power is determined based on the conditions

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi



SIDETCHOPPER TORNADO L

The ELHO SideChopper Tornado L chain cutting head for existing machine arms.

The Tornado L cutting head with two chains is suitable for boom machines. It is intended for existing boom machines, for example, to replace a worn-out cutting head. It is also ideal for self-constructed mulchers.

The durable cutting head is familiar from other Tornado models and designed for professional use. The chain unit includes two chains with hardened 13 mm links and a link storage compartment. The durable casing and hydraulic motor are pre-installed at the factory. The beam connection comes as standard, but may be adjusted depending on the machine arm.

If you are in need of a new chain cutting head, choose the durable ELHO Tornado L!

ELHO Tornado L

- Efficient
- Durable and reliable, particularly in rocky areas
- Two chains with hardened 13 mm links and a "link storage compartment" in the chain unit

Note! The Tornado L chain cutting head is intended for existing machine arms (independent of the brand).

TECHNICAL SPECIFICATIONS

Sidechopper Tornado L

Cutting width, m	1,6
Weight, kg	350
Hydraulic pressure, min/max bar	200-380
Hydraulic connection-single action	1
Hydraulic connection-free return	1
Max oil flow	120l/min



FEEDERS AND SHREDDERS



CROSSCUT A

The ELHO CrossCut shredder/feeder is easy and enjoyable to use

In the CrossCut A model, all the functions can be controlled from the tractor cabin with an easy-to-use control unit. The control unit includes a micro joystick to control the discharge chute. Thanks to the speed sensor and proportional valve technology, control of the supply is fast and accurate. The gearbox has two speed gear and an integrated over running clutch to ensure that the flywheel spins after the shredder rotor has stopped. This reduces the risk of blocking the chute. The large shredder rotor and smooth material supply ensure excellent results. The machine's powerful flywheel directs the cut material to the discharge chute. The chute can turn in a range of 300 degrees, which enables the material to be spread to both the left and right side. Loading operation can be done in an easy and safe manner from the tractor cabin or from the left side of the machine, from where the floor elevator also can be controlled. If the feed type or the material being loaded requires, the loader can be changed to a spear-lift very quickly. In difficult wearing conditions we can offer tungsten coated knives as option.

ELHO CrossCut A:

- Easy to use
- Discharge chute turns 300 degrees
- Versatile machine with 2-speed gearbox
- Minimal risk of overload (the supply rotor stops before the fly wheel)
- Loading operation from the tractor cabin or from the side of the machine
- The loader bucket can be changed to a spear-lift

► Read more
www.elho.fi



TECHNICAL SPECIFICATIONS CrossCut A

Tractor power requirement, min/max, kW *)	60-80
Volume approx, m ³	3,5
Round bales max Ø m	1,8
Weight approx, kg	2000
Loading force, kg	1500
Total width, m	2,03
Length, m	4,3
Number of knives standard, pcs	65
Number of knives max, pcs	115
PTO speed, rpm	540
2-speed gearbox with over running clutch	X
PTO-shaft with friction torque limiter	X
Inside body width, mm	1375
Hydraulic connection-single action	1
Hydraulic connection-free return	1
Hydraulic flow max/min l/min	35/15
Oil pressure, bar	180-210
Electrical connection ISO/TR 12369	12V/10 Amp

*) The tractor weight and power is determined based on the conditions

X = Standard • O = Option - - = Not available • Additional equipment: www.elho.fi



ROTORCUTTER 1500 ROTORCUTTER 1800

The ELHO RotorCutter for effective forage/straw distribution and shredding

The RotorCutter makes the use of silage bales efficient, as forage can be distributed on the feeding table and the work can be easily carried out with one tractor. The RotorCutter is also useful when shredding and spreading straw bales. The machine spread the straw even in deep boxes. This machine has many uses, and plenty of additional equipment is available for various working conditions and needs.

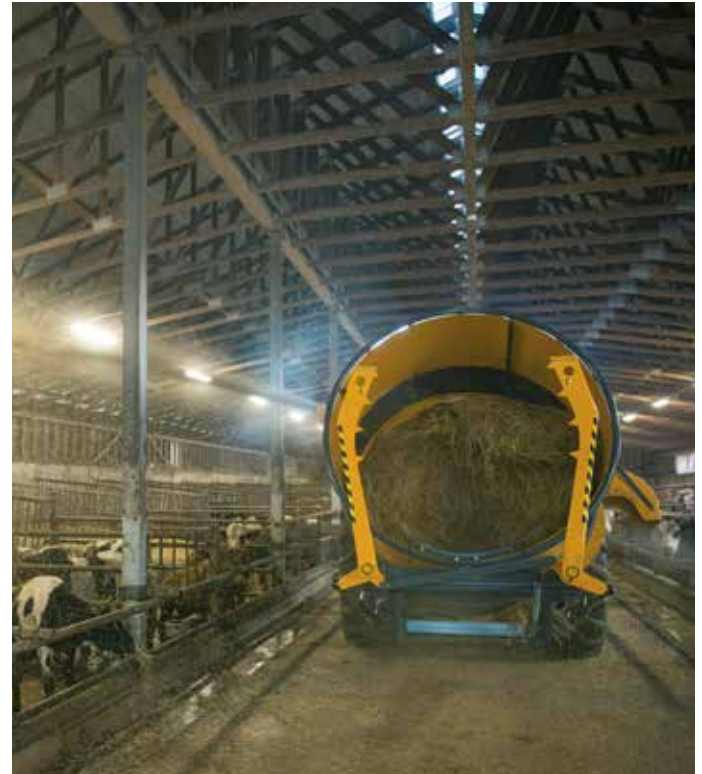
The ELHO RotorCutter is especially designed for shredding straw and forage bales. The length of the chaff can be adjusted. Forage and straw can be spread in both directions, both right and left. The strong loading fork makes the work easier and faster.

If you wish to turn your RotorCutter into a trailed model, a wheel and drawbar set is available as additional equipment along with many more useful accessories.

The RotorCutter is a durable and affordable option for forage and straw distribution.

ELHO RotorCutter:

- Simple structure, self-loading and reliable
- Fast
- Low maintenance costs, low maintenance needs (small number of parts subject to wear)
- Discharge to both left and right side
- Effective straw shredder
- Short cutting length



TECHNICAL SPECIFICATIONS RotorCutter 1500 RotorCutter 1800

	RotorCutter 1500	RotorCutter 1800
Tractor power requirement, min/max, kW *)	50-60	50-60
Round bales max Ø m	1,4	1,7
Weight approx, kg	1050	1100
Loading force, kg	800/1200	1200
Total width, m	2,6	2,6
Length, m	2,5	2,5
Number of knives standard, pcs	17	17
Number of knives max, pcs	17	17
PTO speed, rpm	540-1000	540-1000
PTO-shaft with friction torque limiter	X	X
Hydraulic connection-single action	1	1
Hydraulic connection-double action	1	1
Hydraulic connection-free return	1	1
Hydraulic flow max/min l/min	30/10	30/10
Oil pressure, bar	170-210	170-210

*) The tractor weight and power is determined based on the conditions

BALE WRAPPERS



ELHO – always ahead!

► Read more
www.elho.fi

**AT ELHO WE KNOW ROUND BALE WRAPPERS
– WE HAVE MANUFACTURED ROUND BALE WRAPPERS ALREADY FOR DECADES.**

We manufacture manually controlled, semi-automatic and fully-automatic/computer-controlled bale wrappers, both mounted and trailed models, for round bales of all sizes. The demand for automatic bale wrappers increases year by year, and we can provide the many types of automatic round bale wrappers. Computer technology enables us to make the wrappers and the wrapping technic more reliable, faster wrapping and easier to adjust and control the wrapping. This also makes the driver's work easier and allow them to focus on driving. Faster wrap cycles also means more bales wrapped per hour and per day. This in turn increases productivity! Choose an ELHO wrapper, and you can be sure that you have invested in a reliable, high-quality, modern and durable machine. To ensure that you will have access to the best possible after-sales support, we also yearly arrange training for our importers staff as well as their retailers staff. You can always count on ELHO's support – we are near you wherever you are in the world.





SOFTLINER 1501 M

Effective mounted bale wrappers for wrapping round bales.

ELHO's top quality Softliner range offers several options with cable or automatic control and equipped with either one or two wrapping arms. The Softliner 1501M is designed for wrapping bales with a diameter of 1.1-1.4 metres.

All Softliner models can be mounted either to the front or to the back of a tractor. Bales are loaded from the back of the machine by reversing or driving the tractor up to the bale. Loading is particularly simple when the Softliner is mounted to a front lift as this ensures good visibility. With front mounting, baling and wrapping can be carried out in smaller fields quickly as the machine does not need to be changed between tasks. This saves time and increases productivity.

All rollers on the loading table are driven and therefore the bale rotates well. The hydraulic synchronisation of the wrapping arm and wrapping table ensures even overlapping and airtight bales regardless of wrapping speed.

The cable-controlled M models' control unit is equipped with a bale and a revolution counter.



ELHO Softliner range

- Available with one or two wrapping arms as an option
- Easy to use
- Safe offloading in hilly conditions

TECHNICAL SPECIFICATIONS SOFTLINER 1501 M

Control	Cable
Pre-stretchers, 750 mm, pcs	1
Recommended bale diameter, m	1,2-1,4
Recommended bale width, m	1,2
Maximal bale weight, kg	1000
Max wrapping speed, rpm	35
Tyre size	26x12.00-12
Weight, kg	750
Length, m	2,5
Width, m	1,85
Height, m	2,4
Oil pressure, bar	150-200
Hydraulic flow max/min l/min	45/15
Electrical connection ISO/TR 12369	12V/10 Amp
Hydraulic connection-single action	1
Hydraulic connection-free return	1



SILOMATIC 1010

Top quality forage and the best overall economic efficiency with the reliable ELHO SiloMatic 1010!

The trailed ELHO SiloMatic 1010 bale wrapper's solid frame, turntable and powerful loading fork enable the simultaneous transport of one bale while wrapping another bale, while the asymmetric positioning of the turntable ensures that the machine remains stable.

The SiloMatic 1010 is equipped with two large synchronised support rollers. The large and wide tyres of the standard bogie protect from packing the soil and bear the load well, even on wet fields. The loading fork is partly built-in, which improves stability during the loading stage.

The ELHO SiloMatic 1010 has been wrapping for decades! It's in perpetual motion!



TECHNICAL SPECIFICATIONS SiloMatic 1010

Control	Cable
Pre-stretchers, 750 mm, pcs	1
Recommended bale diameter, m	1,2-1,5
Recommended bale width, m	1,2
Maximal bale weight, kg	1250
Max wrapping speed, rpm	20
Tyre size	26x12.00-12
Road lights	X
Weight, kg	1150
Length, m	3,5
Width, m	2,35
Height, m	2,7
Oil pressure, bar	150-200
Hydraulic flow max/min l/min	45/15
Electrical connection ISO/TR 12369	12V/10 Amp
Hydraulic connection-single action	1
Hydraulic connection-free return	1

X = Standard • 0 = Option - - = Not available • Additional equipment: www.elho.fi



SIDELINER 1520 M SIDELINER 1520 A

Easy-to-use, choose between automatic or manual bale wrapper.

Available in cable-controlled and automatic models

The wrapping table provides low clearance for loading, wrapping and offloading. These robust machines have already been popular for decades.

The loading fork automatically lifts the bale to the centre of the wrapping table. The weight is distributed on both wheels and the tractor. The sturdy wrapping table is equipped with three chain-driven support rollers and is articulated directly to the frame. Four end-support rolls keep the bale in place at its sides. The low drop height of the bale reduces bale strain and a sturdy drop mat reduces the risk of damage to wrapped bales, especially on rough ground. The standard Sideliner 1520 models feature one wrapping arm. The Sideliner 1520 M is a cable-controlled wrapper with a revolution and bale counter.

Thanks to the hydraulic synchronising in the automatic Sideliner 1520 A model, the overlapping mechanism stays even and plastic secures tightly around the bale, ensuring top-quality forage. The Sideliner 1520 A load, wrap and cut automatically.

Additional equipment for the 1520 wrappers is another wrapping arm, which make its operation even faster.

ELHO has already manufactured thousands of Sideliner 1520 bale wrappers and the success story continues.

ELHO Sideliner 1520

- Easy to use
- Low centre of gravity and low drop height
- Also suitable for smaller tractors
- Reliable bale rotation; all rollers on the wrapping table are driven
- Available with one or two wrapping arms as an option
- Bale rotator as standard

TECHNICAL SPECIFICATIONS Sideliner 1520 M Sideliner 1520 A

	Sideliner 1520 M	Sideliner 1520 A
Control	Cable	Automatic
Pre-stretchers, 750 mm, pcs	1	1
Recommended bale diameter, m	1-1,5	1-1,4
Recommended bale width, m	1,2	1,2
Maximal bale weight, kg	1200	1200
Max wrapping speed, rpm	35	35
Tyre size	26x12.00-12	26x12.00-12
Road lights	X	X
Weight, kg	790	850
Length, m	4,2	4,2
Width, m	2,5	2,5
Height, m	2,7	2,7
Oil pressure, bar	150-200	150-200
Hydraulic flow max/min l/min	45/15	45/15
Electrical connection ISO/TR 12369	12V/10 Amp	12V/10 Amp
Hydraulic connection-single action	1	1
Hydraulic connection-free return	1	1

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi



SIDELINER 1650 M SIDELINER 1680 A

The ELHO Sideliner 1680 A – an automatic wrapper for large diameter round bales!

Fully automatic wrapping from loading to offloading the bale. Trailed behind a tractor or as a combination with a baler.

With Sideliner 1680 A it is possible to wrap bales with a diameter up to 1.7 metres thanks to the dual tube structure of the double wrapping arm support and the lifting capacity of up to 1,600 kg.

The robust loading arms are designed to centre the bale to the middle of the wrapping table. The machine is equipped with a low frame and tandem wheels to ensure a smooth drive also on uneven fields.

The machine has two 750 mm plastic pre-stretchers and equipped with film brake sensors. The automatic film brake sensors compensate the amount of layers if the film brakes or runs out on one pre-stretcher by supplying the required amount of film from the other pre stretcher. To make driving on the roads and the work more enjoyable, the machine is equipped with a hydraulic draw bar, mudguards and road lights. To make collecting wrapped bales easier, a bale turning ramp can be mounted as additional equipment. A drop mat is also available as additional equipment.

A mounting set is available as additional equipment to connect the wrapper to a round baler.

TECHNICAL SPECIFICATIONS Sideliner 1650 M Sideliner 1680 A

	Sideliner 1650 M	Sideliner 1680 A
Control	Cable	Automatic
Pre-stretchers, 750 mm, pcs	2	2
Recommended bale diameter, m	1-1,6	1-1,8
Recommended bale width, m	1,2	1,2
Maximal bale weight, kg	1000/1200	1200
Max wrapping speed, rpm	35	35
Tyre size	26x12.00-12	26x12.00-12
Road lights	X	X
Weight, kg	1190	1420
Length, m	4,5	4,5
Width, m	2,73	2,78
Height, m	2,85	3
Oil pressure, bar	150-200	180-200
Hydraulic flow max/min l/min	50/20	50/20
Electrical connection ISO/TR 12369	12V/10 Amp	12V/20 Amp
Hydraulic connection-single action	1	1
Hydraulic connection-free return	1	1



INLINER 1820

Smooth baling and wrapping with the efficient and cost-effective Inliner 1820

The Inliner 1820 is a fully automatic wrapper that is connected directly to the baler.

Using the Inliner baler-wrapper combination machine saves time and money, as the job requires only one machine operator and one tractor.

The life cycle of wrappers is typically longer than that of balers. So why should you discard your perfectly functioning wrapper once the baler has reached the end of its service life? You'll get more return on your investment if you only replace the baler and connect your Inliner to the new baler. The new combination will then serve you for years to come!

Additionally, smaller, separate fields can be harvested economically with the Inliner/baler combination.

When a bale is ejected from the baler, the frame of the Inliner tilts down for loading, which nearly eliminates any additional strain on the baler. The pivoting point of the Inliner is in the middle of the baler, which makes the wrapper to follow the baler closely, even on sharp turns.

The Inliner 1820 is connected directly to the baler frame with a mounting set. Thanks to its connect system, the Inliner can be quickly connected and disconnected if necessary.

The Inliner's wrap cycle is short as it is equipped with two 750 mm plastic pre-stretchers. The film cutter collects the film into a "cord", ensuring a firm grip of the film for the next bale.

The fully automatic ELHO Inliner is controlled from a monitor in the cabin with the help of magnetic sensors and proportional valves. When working the driver only needs to choose where to offload the wrapped bale.

Turn your perfectly operating baler into a baler-wrapper combination with the help of the Inliner! Savings: time – money – effort

A reliable piece of equipment, the ELHO Inliner 1820:

- Features constant wrapping speed monitoring
- Is outfitted with positional sensors on the wrapping arms to ensure that the plastic is cut at the right time and that the wrapping arms are positioned correctly both when loading and offloading a bale
- Contains film brake sensors to ensure that when one roll of plastic runs out of film or the film brakes, the wrapper automatically increase the wrapping to ensure that the required amount of plastic is wrapped around the bale from the other pre-stretcher.
- All functions is controlled from cabin



TECHNICAL SPECIFICATIONS Inliner 1820

Control	Automatic
Pre-stretchers, 750 mm, pcs	2
Recommended bale diameter, m	1,2-1,4
Recommended bale width, m	1,2
Maximal bale weight, kg	1100
Max wrapping speed, rpm	35
Tyre size	26x12.00-12
Road lights	X
Weight, kg	1050
Length, m	3,7
Width, m	2,55
Height, m	2,85
Oil pressure, bar	180-200
Hydraulic flow max/min l/min	50/20
Electrical connection ISO/TR 12369	12V/20 Amp
Hydraulic connection-single action	1
Hydraulic connection-free return	1



FASTLINER 1500

**When speed and accuracy are important...
The ELHO Fastliner 1500 is superfast!**

The Fastliner can wrap six layers of plastic around a bale with a diameter of 1.2 metres in approximately 35 seconds from loading to offloading.

The ELHO Fastliner 1500 is a robust mounted bale wrapper. In work mode, the machine is partly trailed on the right side of the tractor supported by its outer wheel and three-point mounting connection. The bale is lifted on the wrapping table beside the tractor's right rear wheel, which makes the machine easy to control and use.

The Fastliner is equipped with the ELHO HydroBalance suspension system, which also transfers the weight of the machine to the three-point mounting connection. This ensures smooth and accurate manoeuvring in the field and makes the machine more agile. For transport, the machine is positioned behind the tractor.

The wrap cycle is fully automatic from load to unload.

The ELHO Opus control unit enables high-speed wrapping – up to 60 bales per hour, depending on the bales' positioning.

The machine is equipped with two 750 mm plastic film stretchers with film brake sensors. If one roll of plastic runs out, the automatic film brake sensors compensate the film application by supplying the required amount from the other stretcher.

The robust load arms are designed to centre the bale in the middle of the wrapping table. The load arms come standard with one cylinder with a lifting capacity of 1,200 kg.

The wrapping table has three large rollers whose synchronised rolling ensures smooth bale rotation. The bale is supported sideways by four support rollers during the wrapping process.

The Fastliner's hydraulic system has a valve block that can utilise both the LS and the Open Center systems.

Using the bale turning ramp, available as additional equipment, makes collecting the bales easier.

Speed up your wrapping process and get the ELHO Fastliner now!

TECHNICAL SPECIFICATIONS

Fastliner 1500

Bale diameter, m	1.0-1.5
Bale weight, kg (single load cylinder)	1,200
Fully automatic ELHO Opus control system	standard
Plastic pre-stretcher ALU 750 mm, pcs	2
Oil flow l/min	30-45
Hydraulic pressure min bar	180
Hydraulic connection single action	1
Hydraulic connection free return	1
HydroBalance suspension	standard
Support wheel on the right side of the machine*), 10.0/80-12	1
Weight, kg	1,500

ELHO Fastliner 1500

- Extremely fast wrap cycle
- Fully automatic, easy to use monitor
- Easy to manoeuvre
- Easy to control: the machine is positioned beside the right rear tyres



*) Shares part of the load in work mode. In transport the Fastliner is fully carried behind the tractor

X = Standard • 0 = Option • - = Not available • Additional equipment: www.elho.fi



PROLINER 1500

Fast – faster – THE FASTEST!

The Proliner is as fast as the Fastliner!

The Proliner can wrap six layers of plastic around a bale with a diameter of 1.2 metres in approximately 35 seconds from loading to offloading.

The ELHO Proliner 1500 is a robust 3-point mounted round bale wrapper.

The wrap cycle is fully automatic from load to unload.

The ELHO Opus control system enables high-speed wrapping – up to 60 bales per hour, depending on the availability of bales. The machine is equipped with two 750 mm plastic pre-stretchers with film break sensors. If one roll of plastic runs out or the film breaks, the automatic film brake sensors compensate by supplying the required amount from the other pre-stretcher. The Proliner has the ELHO Opus monitor and control system.

The robust load arm is designed to centre the bale to the middle of the wrapping table. The wrapping table has three rollers whose synchronised rolling ensures smooth spinning of the bales. The bale is supported sideways by four support rollers.

The Proliner's hydraulic system has a valve block that can utilise the LS hydraulic system.

The bale turning ramp, available as additional equipment, makes it easier to collect the bales.

The ELHO Proliner 1500 – a robust and fast mounted bale wrapper

ELHO Proliner 1500

- very fast due to short loading-wrapping-offloading cycle
- fully automatic
- easy to control
- extremely sturdy structure
- Bale rotator as option



TECHNICAL SPECIFICATIONS Proliner 1500

Control	Automatic
Pre-stretchers, 750 mm, pcs	2
Recommended bale diameter, m	1,2-1,4
Recommended bale width, m	1,2
Maximal bale weight, kg	1000
Prepared for LS hydraulics	X
Max wrapping speed, rpm	40
Weight, kg	1250
Length, m	2,7/3,53
Width, m	2,05
Height, m	2,44
Oil pressure, bar	180-200
Hydraulic flow max/min l/min	50/20
Electrical connection ISO/TR 12369	12V/10 Amp
Hydraulic connection-single action	1
Hydraulic connection-free return	1



TUBE 200

ELHO Tube 200 ACI

– an automatic bale wrapper with diesel engine.

The ELHO Tube 200 ACI was designed in Finland for the quick and safe rotation of heavy silage bales. The manufacturing began as early as 1993.

The Tube 200 ACI has a very durable structure and the tube leaves the machine at an optimal angle, which is very important. The machine is equipped with its own hydraulic system with two pumps, and it features smooth film overlapping, automatic film monitoring, and the option of additional film layers at the bale seam.

The Tube 200 ACI is easy to control and its sensors find possible malfunctions quickly. This saves expenses and increases productivity. The standard, large tyres also make the work easier specially on wet fields.

The Tube 200 ACI is fully automatic. The wrapping begins when a bale is loaded onto the wrapping table or a remote control button is pressed -you choose. The wrapping capacity is 120 round bales per hour, if bale availability is not restricted. The Tube 200 ACI wraps both large round bales and square bales. Square bales can be loaded up to four at a time, depending on their size.

The Tube 200 ACI is also a very economical bale wrapper that can help to reduce the use of plastic film by more than 50%. This results in significant savings.

ELHO Tube 200 ACI

- Designed for heavy silage bales (not only for dry hay)
- Saves plastic by more than 50%
- Bales leave the wrapping table in the right angle so that the plastic layer is not cut at the joint between the bales (this is important when wrapping silage bales)
- Large compressive force removes the air from the bale joint
- Automatic or remote controlled start of the wrapping
- Remote-controlled front axle (the machine can follow a curved field edge)
- Connection to the tractor for transport at the "right end" of the machine (easy to move to another field)
- Powerful diesel engine



TECHNICAL SPECIFICATIONS Tube 200

Control	Automatic
Lombardini 16hp, diesel, electrical start	X
Recommended bale diameter, m	1,2-1,6
Recommended bale width, m	1,2
Maximal bale weight, kg	1000
Square bale, max kg/m	850
Square bale max height-width, m	1,6-1,4
Feed stroke, m	1,6
Front axis steering hydraulic	X
Pre-stretchers, 750 mm, pcs	2
Tyre size	360/65-16
Road lights	X
Weight, kg	2800
Length, m	6,8
Width, m	3
Height, m	3



ONLINER ULTRACUT

Onliner UltraCut baler/wrapper combination – a powerful, durable and reliable machine for baling and bale wrapping.

Simultaneous baling and wrapping ensures significant time savings. The Onliner UltraCut bales and wraps so the bales are protected against the weather and microbes can not contaminate the forage. All with just a single drive on the field.

The UltraCut features a wide pickup head, precise cutting and even material supply to the chamber even if the swath is uneven. The baler is equipped with the EasyTronic control system, and ELHO has designed a new wrapper control system that ensures accurate and reliable wrapping. Controlling the machine is really easy! The satellite wrapper with two pre-stretchers ensures a fast wrapping. The automatic chain lubrication system saves costs and increases the chain life-cycle. The rollers inside the baling chamber are sturdy. Depending on their position in the chamber, some of the rollers are also reinforced, e.g., the rollers at the bottom. The bigger the strain, the stronger the roller. The Onliner UltraCut's large spherical bearings and casted bearing housings are very durable. The tyres (19.0x45/17) carry the load well.

ELHO Onliner UltraCut

- Good packing of the bale, reliable net and film wrapping
- Rollers are equipped with casted bearing housings and spherical bearings
- Sturdy power transmission to the baler and the pickup
- Hydrobalance suspension of the pickup.
- Overload protection AFC for the rotor.

TECHNICAL SPECIFICATIONS ONLINER UltraCut

Control monitors	2
Bale diameter, mm	1200
Bale width, mm	1220
Pre-stretchers, 750 mm, pcs	2
Tandem axle	X
Tyre size	19.0/45-17
Pickup width, mm	2200
Number of cutting knives, pcs	0/25
Rollers inside the chamber, pcs	18
Automatic chain lubrication	X
Power transmission, rpm	540
Net wrap, mm	1230
Power requirement, hp	130
Weight, kg	4550
Length, m	6
Width, m	2,54
Height, m	2,8
Oil pressure, bar	180-210
Hydraulic flow max/min l/min	45/20
Electrical connection ISO/TR 12369	12V/30 Amp
Hydraulic connection-single action	1
Hydraulic connection-free return	1
Stand for additional plastic rolls	2 x 4 rolls

ONLINER PRO

A baler-wrapper combination with all the important features built in!

The Onliner Pro features a wide pickup head, precise cutting, even material supply to the chamber, effective compacting and fast, reliable wrapping.

This combination machine has a new modern hydraulics system with a Sauer Danfoss PVG 32/16 valve block. The hydraulic control system (ELHO/Wachendorff) is also new.

The Onliner Pro's large spherical bearings in casted bearing housings are very durable. The bearings can be lubricated manually from the control unit or automatically based on the number of bales wrapped, e.g., after every 50 bales. The grade of the strong roller chain is 20B and the input rotor double chain is grade 16B2. All the chains have constant lubrication.

The rollers inside of the baler chamber are sturdy and individually designed to withstand the load directed on them, depending on their position in the chamber. At the bottom of the chamber is two rollers that handles the feed stream into the chamber and helps the bale spin inside the chamber. On both sides inside the hatch there are "ejectors" that ensures that the bale leave the hatch when it is opened and do not block it.

The Onliner Pro features the ELHO's Opus control system. The Opus system enables controlling the pickup, bale thickness, number of cutting knives in use (12, 13 or 25 pcs), lubrication, net wrapping, drop floor, etc. and of course, the wrapping.

The wrapping table, the double wrapping satellite and the loading fork are equipped with 359-degree angle sensors that continuously provide the control system with data about their position. This ensures fast and accurate loading and wrapping as the control system is always aware of what is happening.

The satellite wrapper with two pre-stretchers ensures a very fast wrapping. The machine also has automatic film rupture sensors that automatically compensate for lost film layers if on one of the films brakes or the roll runs out by supplying the set amount of film layers from the other stretcher.

The large and wide tyres (710/50-26,5 with mudguards) of the Online Pro carries the load well and ensure steady movement on the fields.

TECHNICAL SPECIFICATIONS ONLINER PRO

Control monitors	1
Bale diameter, mm	1250
Bale width, mm	1220
Pre-stretchers, 750 mm, pcs	2
Tyre size	710/50-26.5
Pickup width, mm	2200
Number of cutting knives, pcs	0/12/13/25
Rollers inside the chamber, pcs	19
Automatic bearing lubrication	X
Automatic chain lubrication	X
Power transmission, rpm	540
Net wrap, mm	1 230
Power requirement, hp	130
Weight, kg	5 800
Length, m	6,1
Width, m	3,26 *)
Height, m	2,9
Oil pressure, bar	180-210
Hydraulic flow max/min l/min	60/40
Electrical connection ISO/TR 12369	12V/30 Amp
Hydraulic connection-single action	1
Hydraulic connection-free return	1
Prepared for LS hydraulics	X
Stand for additional plastic rolls	2 x 3 rolls

X = Standard • 0 = Option - - = Not available • Additional equipment: www.elho.fi

FORAGE HARVESTERS



A versatile, functional and low-priced option for forage harvesting.

► Read more
www.elho.fi

The side-mounted ELHO DC 2100 S double chopper is a powerful machine that features a large chopper rotor and conveyor auger. The wide DC 2100 has a very solid frame with great torsional rigidity that prevents bending in the long run and maintains the knife area ratios. The machine picks forage from a swath precisely and the conveyor auger feeds it steadily into the chopper. A curved chamber that opens backwards and the adjustable plate in front of the conveyor auger guarantee that the DC 2100 also functions with wet forage.





DC 2100 S DOUBLE CHOPPER WITH ELECTRIC CONTROL SYSTEM

The DC 2100 comes standard with eight chopping knives. Alternatively, you can use the machine also with two or four knives, if you wish to produce longer chaff. Thanks to their shape, the knives do not create the suction known to occur with choppers, the form of knives gives a clean cut and the forage stays clean. The lateral shift of the towing hook, electric control of the exhaust tower, with height and oscillation of the tower, ensure that the trailer is filled very easily. In smaller fields, the ELHO DC 2100 can also function as a replacement for a mower conditioner.

ELHO DC 2100:

- large working width
- powerful
- pre-dried or direct cut forage
- durable structure
- economical choice

TECHNICAL SPECIFICATIONS DC2100 S

Tractor power requirement, min/max, kW *)	70-110
Working width, m	2,1
Number of knives on rotor, pcs	48
Number of chopper knives, pcs	8
Tyre size	26x12.00-12
Rotor speed, rpm	2000
Chopper speed, rpm	1080
Weight, kg	1000
Power transmission, rpm	540
Transport width, m	2,8
Transport height, m	2,19
Transport length, m	2,2

*) The tractor weight and power is determined based on the conditions

X = Vakio 0 = Lisävaruste – = Ei saatavilla • Lisävarusteet: www.elho.fi



STONE PICKERS



ELHO Scorpio 550 collects stones efficiently!

► Read more
www.elho.fi

SCORPIO IS DESIGNED AND MANUFACTURED ON THE WEST COAST OF FINLAND WHERE THE INLAND ICE LEFT LARGE AMOUNTS OF ROCKS AND STONES OF ALL SIZES.

Our ancestors have fought with stones for centuries and we are still fighting! Stones in the field bring about huge costs every year when they cause harvesting machines to break down! And you can't only calculate the harvesting machine repair cost, there is also a lot of lost working hours. Harvesting can easily be delayed up to a week or more, depending on what has broken down on the machine. Loss of working hours means lost income! To help the situation, ELHO designed the Scorpio 550 fully hydraulic driven stone collector.

*"Pick-up blocked?
No worries, just reverse!"*





SCORPIO 550 STONE PICKER

Picking stones efficiently, a fully functioning sift, a large working width and durability of the machine have been the main goals when creating the Scorpio. The machine is equipped with, among other things, a fully hydraulic drive, which directs the power to where the demand is greatest. This prevents the machine from breaking down if it gets blocked. The large and durable lifting tines are flexible in all directions. The tines do not break if the machine gets blocked and they also endure reverse motion.

Every steel bar in the sieve is replaceable and every other sieve steel bar can be removed. The distance between the sieve bars is 40–110 mm. Every other bar is mounted at a different height to prevent wedging.

The wide side rake tines are made of Hardox steel and are firmly welded onto the rotor tube. The rotor bearings are built into the steel tube, which makes it highly durable. The side rakes can also be reversed. The side rakes are positioned to prevent the stones wedging between the rake rotor and the frame structure.

Scorpio has a large hopper, with a tipping height of 2,7 metres. This way it can easily reach over the sides of a big trailer. The back wall of the hopper also sifts out soil. The side plates and the hopper lid plate are made of Hardox steel.

Scorpio has a sturdy frame, a telescopic drawbar with collision guard, wide rakes, large tandem wheels, and is fully hydraulic driven.

The automatic depth adjustment is ofcourse also hydraulically operated. The machine keeps track of the ground actively. The adjustable depth function has two depth settings that can be manually overridden by the driver's commands. With automatic depth adjustment, the driver doesn't need to keep track of the ground, especially in dusty conditions with poor visibility.

The ELHO Scorpio work terrain is not only the removal of stones from farm fields but also, for example, from roads, other type of fields, renovation sites and construction sites of green infrastructure. The Scorpio 550 is very suitable for contracting.

ELHO Scorpio 550

- Wide collecting area, durable body structure, large tandem wheels
- Fully hydraulic – nothing breaks if blocked, the power is automatically transferred to where it is needed
- Pickup rotor: can be reversed, equipped with large, strong and Flexible tines
- Sieve steel bars are exchangeable, every other one is removable
- large stone hopper with high ground clearance



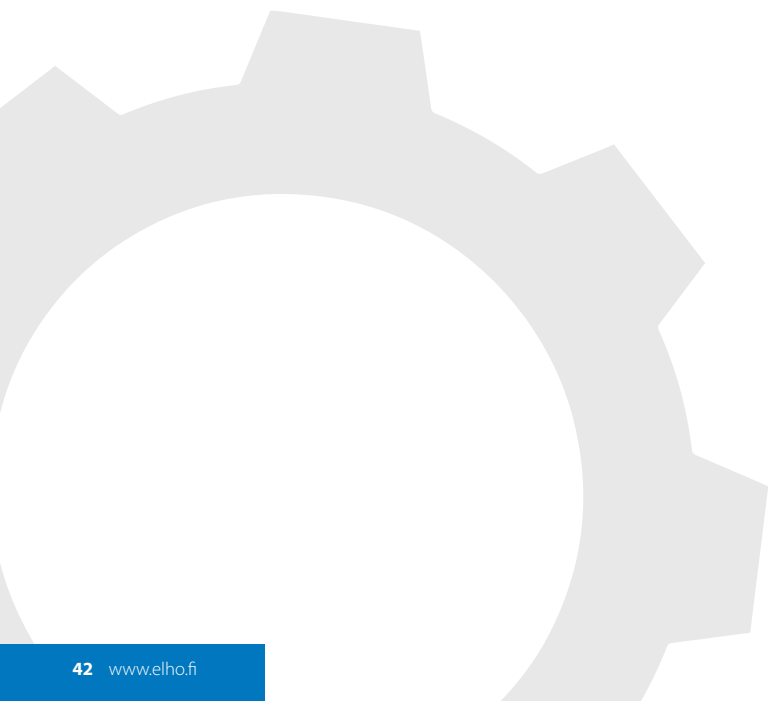
TECHNICAL SPECIFICATIONS

SCORPIO 550

Tractor power requirement, min/max, kW *)	90-140
Recommended tractor hydraulic pump size min, l/min	110
Hydraulic flow max, l/min	85
Working width, m	5,5
Collect stones from - to, mm **)	40-400
Stone hopper size (useful), m3 **)	1,5-2
Tipping height, m	2,7
Working depth, cm	0-7
Driving speed, km/h	1-7
Pick-up lifting tines, pcs	16
Pick-up tine lifting force, kg	400
Pick-up tine flex up from screen, mm	210
Screen size, mm	40
Wheels, tandem	560/60-22,5
Rake wheels	26x12.00-12
Weight, kg	6800
Length, m	7,2
Width, m	3
Height, m	3

*) The tractor weight and power is determined based on the conditions
 X = Vakiio 0 = Lisävaruste – = Ei saatavilla • Lisävarusteet: www.elho.fi

ELHO After Sales



-
- ▶ **In addition to top-quality machines, ELHO also offers top-quality after-sales services. Besides spare parts, we also provide technical support, downloads of technical documents and training for our retailers' after-sales personnel around the world.**

- ▶ **Spare parts:**

We maintain a large spare part inventory at our factory to ensure that we can fulfil our customers' spare part needs at all times. Our spare part inventory currently has over 70,000 items. We also help our retailers/importers stock up their spare part inventories before the season begins.

- ▶ **Technical support:**

ELHO arranges technical training annually for importers to ensure that our end customers have access to the information and support they need.

**We are a responsible manufacturer and take customer service very seriously.
You can always rely on ELHO's machines and services.**

Oy El-Ho AB

Industrivägen 6
68910 Bennäs, Finland
Tel.: +358 6 7888 000
Fax: +358 6 7888 048
elho@elho.fi
www.elho.fi

