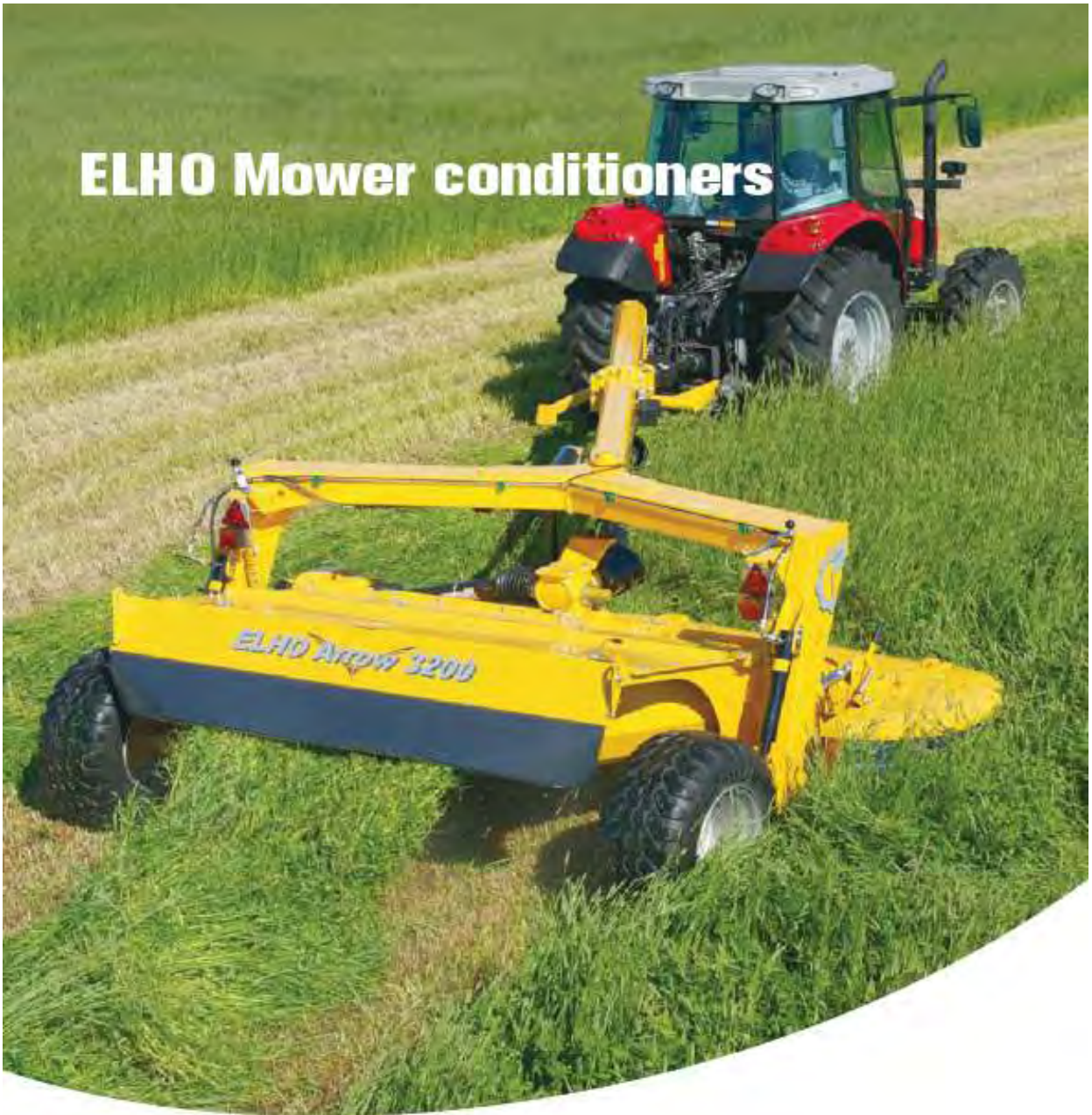


ELHO Mower conditioners



www.elho.fi



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Mower conditioners from ELHO for every need

ELHO has a wide collection of mower conditioners of different models and sizes. Nearly every model has the HydroBalance suspension system, and the machine follows the ground softly and avoids obstacles. ELHO manufactures double, front, mounted, trailed mower conditioners and roller mower conditioners and disc mowers. To many of the trailed models a variable swath placement can be attached.



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ELHO Arrow 8000 Delta ELHO's mower conditioner combination

The Arrow 8000 Delta is the head of progress. With Arrow 8000 Delta, you will not need the most powerful tractor; a medium-sized tractor is enough!

The Delta is a contractor's mower conditioner. This very effective machine has optimal weight distribution, excellent driving comfort, and the HydroBalance suspension system. The rounded steel finger conditioner rotor and the adjustable counter bar ensure fast drying. The HydroBalance suspension and switching between work and transport modes are controlled from the cabin by using a small controller. The rest of the mowing is handled through the tractor hydraulics.

Delta – makes even the large areas feel small.

Delta is designed for continued work and effective contracting. Even with a medium-sized tractor, its mowing width is 8 metres, and you can make the most of your tractor's capacity.



When driving the ELHO Delta, you do not need to leave the cockpit during the transfer between fields. Thus, transfer and mowing become easier, saving you valuable working hours.



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ELHO Duett 7300



The ELHO Duett 7300 is a mower conditioner for large areas that utilises the properties of the self-propelled harvester in a tractor-mower conditioner combination. It is designed for tractors with reverse drive equipment. The mowing unit consists of two 3.7m cutting bars, which are automatically connected when the wings are lowered. As the cutting bars connect to each other, one wide mowing unit is formed.

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The ELHO Duett 7300 mower conditioner is so be rear mounted on a tractor with reverse drive, ensuring excellent visibility. This model is also very agile and effective, and its driving comfort is top class.

Thanks to the HydroBalance suspension system, the driving speed can be fast, and the forage stays clean and dries quickly. In addition, maintaining a straight driving line with the reverse drive machine combination is easier compared to other systems. The tractor has space between the swaths, as the swaths are formed in pairs. The spacing of the swaths is always constant, even in curves. When swathing, the tractor always finds a suitably wide passage and a double swath can be combined on the dry area. The swaths made by ELHO mower conditioners

have proved to be good-shaped and they dry quickly. Switching from work position to transport position is quick because lifting or lowering the wings is enough. The side guards are equipped with swing cylinders, which make mowing easier. The Duett 7300 is equipped with low, oval mowing discs that can even cut the grass that's fallen in the driving direction.

Do it - buy the ELHO Duett 7300 mower conditioner and take advantage of the properties of a self-propelled harvester in your tractor-mower conditioner combination.

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ELHO's Arrow Front mower conditioners have the PCS three-point suspension, so that the sides can move freely and the machine can avoid obstacles easier. The HydroBalance system is the standard equipment of the machine.

ELHO Arrow 3200 Front

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

This machine has excellent performance, driving features, and the PCS (Pendulum Centre System) suspension developed by ELHO. The stable framework of the machine allows the cutting bar to follow the surface of the field freely and to avoid obstacles – a front mower conditioner simply cannot operate better than this.

When combining this with the NM 800 Delta, even larger areas are easy to handle.



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ELHO Arrow 3700 Front

This full-width front mower conditioner is also equipped with the PCS suspension, and it can also be used with a reverse drive tractor. Thanks to the PCS suspension, the shredder unit avoids obstacles, the high mobility dampens the impact on the cutting bar with up to 50% compared to the traditional system. The full 3.7m working

width makes the machine the most effective front mower conditioner on the market. Compared to other three-metre shredders on the market, mowing requires 23% fewer mowing-kilometres. Correspondingly, harvesting the swaths saves both time and fuel. There are only advantages with a wide front mower.

Both the ELHO 3200 and 3700 Front mower conditioners are suitable for use with a reverse drive tractor. Their driving comfort and performance are excellent.



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ELHO Arrow 3200

Arrow 3200 is ELHO's progressive, trailed mower conditioner that combines ELHO's reliable basic solutions and excellent driving comfort with new technology.



The shredder rotor has straight, rounded swinging flails and a spring-loaded counter bar. With this solution, drying has proved to be the fastest. The large, adjustable back plate of the very spacious conditioning chamber breaks and turns the forage flow downwards in such way that the swath becomes as high as possible, and an even and, fluffy swath is formed, that dries quickly. The small extra wings of the top middle part of the conditioning chamber enable adjustment to optimise the form of the swath, which is especially important during the second and third harvest. An even and clean swath is a basic requirement for high-quality silage. The oval low-profile discs and optimally shaped stone guards ensure a neat and clean cutting result.

The Arrow 3200 includes the HydroBalance suspension system developed by ELHO, where the pressure of nitrogen gas is used to lighten the cutting bar directly above the cutting point. Thus, the softly shaped guards under the mowing discs follow the surface of the field

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The cutting discs can be locked using an attached tool so that the knife change is easy and safe.

lightly and the forage stays clean.

Adjusting the HydroBalance suspension is now really easy. The desired basic suspension setting is set with the hand wheel underneath the pressure indicator. The normative suspension range can be seen on the frame of the pressure indicator. For example, in an area where rocks may be encountered, the suspension can be lightened using the tractor's hydraulics while mowing. The height adjustment of the stubble height is done comfortably on top of the machine on one side. The wide and high shredder chamber also enables wide-spread without additional equipment.

The new, V-shaped portal frame allows placing the turning point of the draw bar at an optimal location regarding power transmission, and power transmits evenly to the cutting bar and the conditioning rotor. The end damping of the draw bar cylinder enables quick turning movements on headland, when the machine is moved to cut on the other side. Thanks to the folding



draw bar, the machine can fit in a small space to be stored for the winter. The front guards open easily for inspection and maintenance.

The high portal frame provides great flexibility for the mowing unit. Thus, the cutting bar has a large clearance on the headlands, and the machine does not mix even the highest swaths. The length of the draw bar is optimised in order to get the mowing unit closer to the tractor. The draw bar in all Arrow trailed machines is manufactured of rigid profiles, not from tubes. The power transmission shafts and the bearings have been designed with easy lubrication and inspection in mind. The trailed Arrow 3200 mower conditioner has 380/55-17 low-profile tyres as a standard.

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In order to achieve higher efficiency, the trailed Arrow 3200/3700 can be combined with the ELHO Arrow 3200/3700 Front mower conditioners.

ELHO Arrow 3700

Arrow 3700 is the wider edition of the 3200 machine in the same series but faster, and more effective. Like its smaller version, the Arrow 3700 is also a very progressive, trailed mower conditioner, which combines ELHO's reliable technical solutions and excellent driving comfort.

The shredder rotor has straight, rounded swinging flails and a spring-loaded counter bar. With this solution, drying has proved to be the fastest. The large, adjustable

back plate of the very spacious conditioning chamber brakes and turns the forage flow downwards in such way that the swath becomes as high as possible, and an even and, fluffy swath is formed, that dries quickly.

The small extra wings of the top middle part of the conditioning chamber enable adjustment to optimise the form of the swath, which is especially important during the second and third harvest. An even and clean swath is a basic requirement for high-quality silage. The oval low-profile discs and optimally shaped stone guards ensure a neat and clean cutting result. The Arrow 3700 has the HydroBalance suspension system developed by ELHO, where the pressure of nitrogen gas is used to lighten the cutting bar directly above the cutting point. Thus, the softly formed guards under the mowing discs follow the surface of the field lightly and the forage stays clean.

Adjusting the HydroBalance suspension is now really easy. The desired basic suspension setting is set with the hand wheel underneath the pressure indicator. The normative suspension range can be seen on the frame of the pressure indicator. For example, in an area where rocks may be encountered, the suspension can be lightened using the tractor's hydraulics while mowing.

The height adjustment of the stubble height is done comfortably on top of the machine on one side. The wide and high shredder chamber enables wide-spread without any additional equipment.



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The new, V-shaped portal frame allows placing the turning point of the draw bar at an optimal location regarding power transmission, and power transmits evenly to the cutting bar and the conditioning rotor. The end damping of the draw bar cylinder enables quick turning movements on headland, when the machine is moved to cut on the other side. Thanks to the folding draw bar, the machine can fit in a small space to be stored for the winter. The front guards open easily for inspection and maintenance. The high portal frame provides great flexibility for the mowing unit. Thus, the cutting bar has a large clearance on the headlands, and the machine does not mix even the highest swaths. The length of the draw bar is optimised in order to get the mowing unit closer to the tractor. The draw bar in all Arrow trailed machines is manufactured of rigid profiles, not from tubes. The power transmission shafts and the bearings have been designed with easy lubrication and inspection in mind.

The machine has 380/55-17 low-profile tyres as a standard. Wider wheels, 480/45-17, can be provided as additional equipment.



The ELHO Arrow 3700 is an effective trailed mower conditioner, added with ELHO's SideFlow III cross conveyor the harvesting can be made even more effective. The SideFlow III can also be reversed, and it has its own hydraulics and oil tank.



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ELHO mounted mower conditioners

ELHO Arrow NM 2400

The smallest ELHO-shredder with all the big ELHO properties built in!

The spring-suspended mowing head, equipped with a centre suspension, follows the surface of the field lightly. The rounded steel conditioning fingers and the adjustable counter bar guarantee the best possible drying result. Hydraulic switching from transport to work position.



ELHO Arrow NM 2800

Good throughput and powerful conditioning.

The long conditioning chamber and the rounded steel fingers of the conditioning rotor with a counter bar create an airy and fast-drying swath. The machine has the HydroBalance suspension system that lightens the cutter bar. The hydraulic release mechanism works so that the release cylinder gives way and the displaced oil eases the mowing head through the lift cylinder, and when the obstacle is passed, the mowing head returns automatically to cutting position.

ELHO Arrow NM 3200

Also the wide mounted mower conditioner has the HydroBalance suspension system.

ELHO Arrow NM 3200's suspension guarantees undisturbed work in difficult conditions. This wider model has the same excellent mowing properties and technical solutions as the NM 2800 model. The good drying results has also been proved in international tests. The Arrow NM 3200 with an ELHO Front mower conditioner is an economical way to increase mowing performance.



ELHO mowers

The cutter bar known from ELHO's mower conditioners, durable structure, and excellent mowing result.

The ELHO mounted mowers, in three sizes, are an economical alternative for mowing. The machines has the same durable cutter bars, cutting discs and runners as ELHO's mower conditioners. Hydraulic lift of the mowing head. The machine is suitable for mowing grass as well as landscape care. ELHO also offers two front models, NK 3000 Front and the wider NK 3300 Front. All ELHO benefits, as HydroBalance and PCS-system are built-in in the front mowers. The NK 8000 Delta mower has all the advantages and solutions from the Arrow 8000 Delta mower conditioner except the conditioner unit. The NK 3300 Front is recommended to be paired with the NK 8000 Delta.



Technical specifications of ELHO mower conditioners and mowers:

ELHO Arrow trailed mower conditioners

| | | |
|--|-------------|-------------|
| | 3200 | 3700 |
| Working width, cm | 320 | 370 |
| Transport width, cm | 310 | 350 |
| HydroBalance suspension | standard | standard |
| Number of mowing discs, pcs | 6 | 9 |
| Rotation speed of mowing discs, rpm | 3100 | 3100 |
| VCA, rpm | 1000/540 | 1000 |
| Conditioner rotor width, mm | 2505 | 2505 |
| Conditioner rotor, round forged steel fingers, Counter bar | standard | standard |
| Power need, approx. kW | 60-90 | 70-90 |
| Wheel size standard | 380/55-17 | 380/55-17 |
| Total weight, approx. kg | 2100 | 2300 |

ELHO Arrow front mower conditioners

| | | |
|--|--------------|--------------|
| | 3200F | 3700F |
| Working width, cm | 320 | 370 |
| Transport width, cm | 300 | 350 |
| HydroBalance suspension | standard | standard |
| Number of mowing discs, pcs | 6 | 9 |
| Rotation speed of mowing discs, rpm | 3100 | 3100 |
| VCA, rpm | 1000 | 1000 |
| Conditioner rotor width, mm | 2505 | 2505 |
| Conditioner rotor, round forged steel fingers, Counter bar | standard | standard |
| The recommended min. weight of the tractor | 2700 * | 3000 * |
| Swath width, approx. | 700-1400 | 700-1400 |
| Total weight, approx. kg* | 1100 | 1250 |

*) The weight of the tractor is defined according to the conditions

ELHO Dust 7300 Reverse Drive mower conditioner

| | |
|---|----------|
| Working width, cm | 730 |
| Transport width, cm | 280 |
| HydroBalance suspension | standard |
| Number of mowing discs, pcs | 13 |
| Rotation speed of mowing discs, rpm | 3100 |
| VCA, rpm | 1000 |
| Rotation speed of the conditioning rotor, rpm | 1000 |
| Conditioning rotor, round forged steel fingers, counter bar | valco |
| Tractor power take-off min/max. kW *) | 130/150 |
| Tractor connection **) | 3P Kat.3 |
| Electrical connections | LV/15Amp |
| Total weight, approx. kg | 2700 |

*) The size of the tractor is defined according to the conditions

**) REQUIRES a tractor equipped with Reverse Drive



ELHO Arrow mounted mower conditioners

| | Arrow MM 240 | Arrow MM 280 | Arrow MM 320 | Arrow 8000 Intra |
|--|---------------------|---------------------|---------------------|-------------------------|
| Working width, cm | 240 | 280 | 320 | 800 |
| Transport width, cm | 197 | 250 | 250 | 280 |
| HydroBalance suspension | - | standard | standard | standard |
| Number of mowing discs, pcs | 6 | 7 | 8 | 14 |
| Rotation speed of mowing discs, rpm | 3100 | 3100 | 3100 | 3100 |
| VCA, rpm | 540 | 1000 | 1000 | 1000 |
| Conditioner rotor width, mm | 1764 | 2150 | 2505 | 2 x 2164 |
| Conditioner rotor, round forged steel fingers, Counter bar | standard | standard | standard | standard |
| Hydraulic pressure, min-max Bar | - | - | - | 140-210 |
| Tractor power take-off min/max. kW **) | - | - | - | 110-140 |
| Power need, approx. kW | 55-75 kW | **) | **) | 130-150 |
| Recommended tractor size | 2500kg **) | 3500kg *) | 3500kg *) | 5500kg |
| Tractor connection | 3P Kat.2 | 3P Kat. 3N cat.3 | 3P Kat. 3N cat.3 | 3P Kat.2 |
| Total weight, approx. kg | 720 | 975 | 1120 | 1900 |

*) The stubble of the tractor and the lifting device in the horizontal direction defines this, namely the size of the engine.

**) The size of the recommended tractor also depends on the conditions, growth, and environment.

ELHO mowers

| | NK 201 | NK 241 | NK281 | NK 3000 Front | NK 3300 Front | NK 8000 Intra |
|--|---------------|---------------|---------------|----------------------|----------------------|----------------------|
| Working width, cm | 200 | 240 | 280 | 300 | 330 | 800 |
| Transport width, cm | 120 | 120 | 120 | 290 | 315 | 300 |
| HydroBalance suspension | - | - | - | standard | standard | standard |
| Transportation height of the machine, cm | 235 | 270 | 315 | 130**) | 140**) | 365 |
| Number of cutting knives, pcs | 10 | 12 | 14 | 14 | 15 | 28 |
| Number of mowing discs, pcs | 5 | 6 | 7 | 7 | 8 | 14 |
| Rotation speed of mowing discs, rpm | 3100 | 3100 | 3100 | 3100 | 3100 | 3100 |
| VCA, rpm | 540 | 540 | 540 | 1000 | 1000 | 1000 |
| Transport position | vertically | vertically | vertically | front/behind | front/behind | vertically |
| Lifting on headland | hydc cylinder | hydc cylinder | hydc cylinder | hydr. | hydr. | hydr. |
| Hydraulic connection, pcs | 1 | 1 | 1 | 1 | 1 | 2 |
| Total weight, approx. kg | 480 | 525 | 570 | 730 | 800 | 1400 |

**) machine height. NK 3000 and 3300 Front can be modified for use with a reverse drive tractor



Durable power machines for agriculture and contracting

Tedders and swathers

ELHO manufactures both traditional roller tedders and roller swathers. These are suitable for harvesting dry hay and forage. Some of the roller swathers are equipped with the HydroBalance suspension system that guarantees a flexible surface touch and clean forage.



Feed distribution machines

ELHO bale shredders ease the distribution work and save several work steps. The forage can be distributed straight onto the feeding table (to the right or to the left) or blown up to 15 metres away. The bale shredders operate effectively even when the forage is frozen.



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Round Bale wrappers

ELHO has a round bale wrapper for every need. The available models are manual, semi-automatic, and fully automatic. Both mounted machines and trailed bale wrappers are available. ELHO also manufactures a round baler/wrapper combination. Our production also includes bale markers and aggregates.

Landscape care machinery

ELHO mulchers are designed for landscape care and are suitable for fighting coppice-wood as well as for the care of roadsides, forest roads and fallow fields. The machines are very heavily built and effective with a good reach. The cutting head can be tilted hydraulically 90 degrees upwards and 35-45 degrees downwards depending on the model. Our machine selection includes both rotor and chain mulchers.



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Oy El-Ho Ab

- Founded in 1968, still owned by the family who founded it
- Located in Pänninen, 10 km from Pietarsaari in western Finland
- Approx. 90 employees
- Proportion of export approx. 60 %
- Manufactures approx. 1500 units/year
- Has its own manufacturing premises approx. 7200 m²

ELHO Motor conditioners ENG 10001



Sales:

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