

VOLTO

CLAAS

Widespread.



Forage harvesting with system.





Every minute counts during forage harvesting. It is great if you have a partner who offers far more than just robust equipment. Exceptional product quality and excellent service, for example. And a complete forage harvesting chain, which links all processes together precisely - from mowing via tedding and raking to baling.

Thanks to our competence and experience, we are currently one of the world's leading system providers in the field of forage harvesting. But we have never let our feet leave the ground. Whether you manage 10, 100 or 1,000 acres, you will always find the ideal solution for you in our product range. A solution to guarantee the best quality forage.



Intelligent drive concept.

At the heart of the VOLTO 770, 870 T and 1320 T is the innovative PERMALINK transmission system.

- Interlocked cast steel fingers with large contact areas.
- Fold through 180° with full engagement and reliable power flow in every situation.



Tried and tested.

The VOLTO 75 T and 1050 T models are driven by jointed shafts. With generously proportioned cast iron joints on the arms and the cast iron rotor bearings, these machines are the ideal example of compact construction and stability at the best cost/performance ratio. All VOLTO tedders are equipped with hexagonal shafts for a reliable power flow.



CLAAS PERMALINK

Driven by innovation.



PERMALINK

100% stability,
100% reliability,
0% maintenance required.



Tough running gear.

Super balloon tires and 1.4 in (35 mm) axle stubs provide all VOLTO models with safe ground tracking, even at high speeds.



Load-bearing tines.

The circular tine arms are bolted to the stable rotor plate. The strong support ring with its recesses for each tine arm provides extra stability. Thanks to their circular shape, the tine arms can resist bending. Reliable tine guidance and fewer breakages are guaranteed.



Enclosed drives for high performance tedders.

The hermetically-sealed transmission running in adhesive grease in rugged cast iron housings are another highlight of the VOLTO 770, 870 T and 1320 T.

- Rugged and durable layout.
- Eliminates daily maintenance.
- No crop contamination following oil loss.
- Full time rotor lubrication to handle heavy operation and provide excellent harvesting results.

Enormous stability.

The generously dimensioned connecting tubes between the individual rotors are turned through 45°. This special geometry absorbs bending forces and the extra-large flange faces this creates provides additional strength for the bolted connections.



Rotor construction
Adhesive grease gearbox

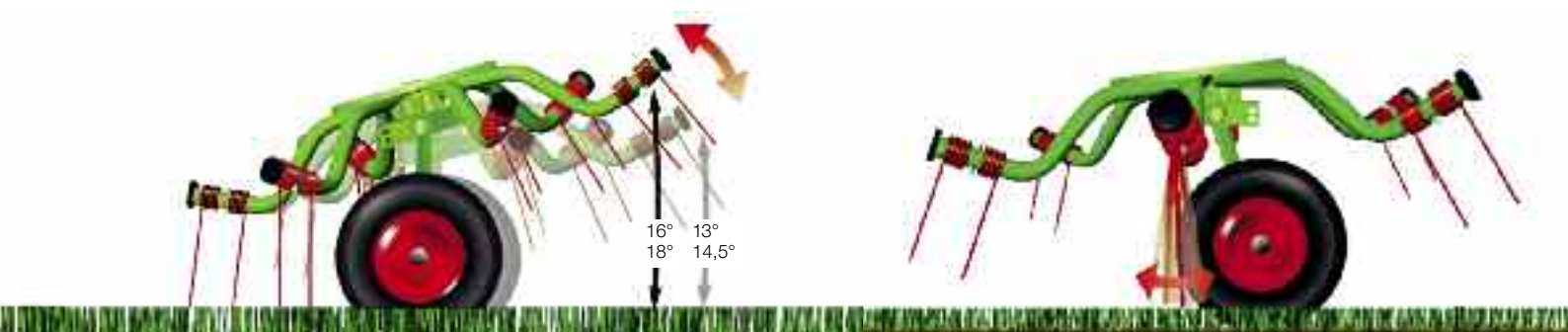


The key to clean forage.

Our aim is to help you make best quality forage with a minimum of drying time. The CLAAS spring tines transform the forage into an evenly spread layer, paving the way for a good crop.

For perfect tedding and a long service life.

- The tines are made of specialized steel and are highly flexible.
- Five wraps around the arm enhance the spring effect.
- Round tine arms for maximum loading and reliable tine guidance.
- Standard tine catches at the end of each tine arm to prevent loss.



The throw angle can be adjusted quickly and easily. The VOLTO can be set effortlessly for different crops by swapping a bolt position.

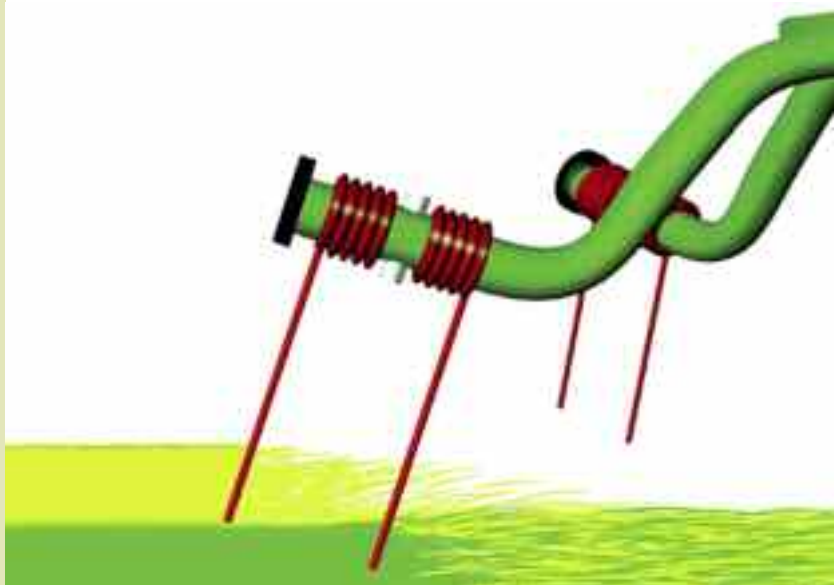
For use in every crop type - whether there is light or heavy material to be tedded, the tough dual tines take it in their stride.

Gentle handling, clean yield.

Important details.

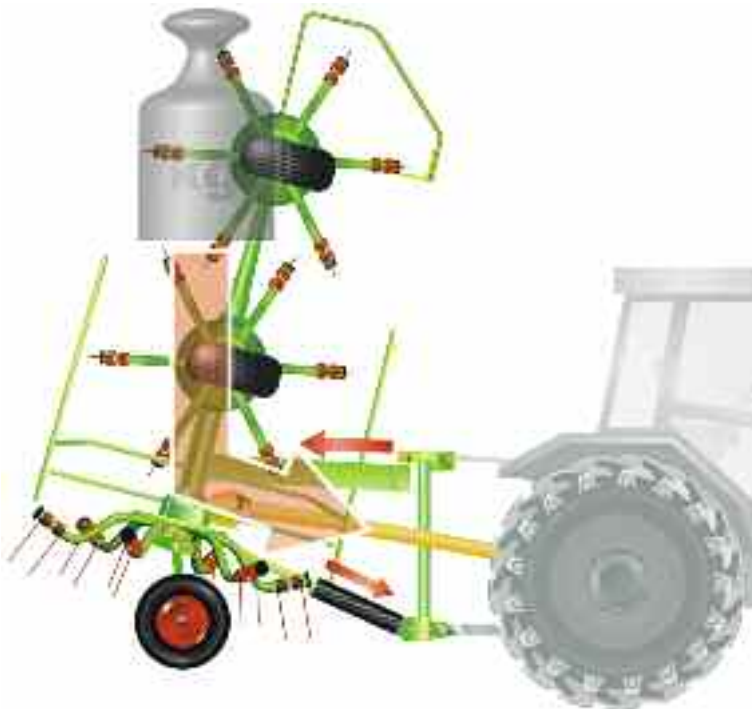
The tips of these highly stable tines on VOLTO tedders are equal in length.

- The windrow are picked up cleanly.
- The spreading pattern is uniform.
- Thorough crop mixing as the crop is picked up in layers.
- Negligible crop contamination thanks to step-by-step handling.
- Tine breakage reduced due to even loading of the two tine tips.
- Identical tines for each rotor direction for simpler spare parts purchasing and stocking, and for easier tine replacement.



Tine guidance

CLAAS power flow drawbar CKL – Balance is everything.



CKL adds to safety.

The tedder is guided by two telescopic arms in addition to the chassis. Spring-loaded braking cones built into the telescopic arms of the CKL system add to safe running of the machine.

- Direct transfer of the machine weight to the lower linkage.
- No torsional forces mean less wear on the three point mounting.
- Reduced loading on the carrier between tedder and three point mounting.
- Fixes the three point mounting automatically when being transported.
- Uniform contour following and constant working height of the tines.
- Smooth field crossing regardless of width, no bouncing.
- No tedder overrun on downhill slopes.

The VOLTO doesn't need a separate transport locking device since it's firmly supported on the CKL power drawbar.





Spring loaded brake cones.

When the springs exert their force on the two cones, this restrains the movement of the arms so the machine stays stable.



Adjustable brake.

Adjustable brakes provide additional safety in the professional tedders VOLTO 770.



The weight of the tedder is transferred dependably to the robust mounting assembly.

CKL – CLAAS power
flow drawbar

VOLTO 75 T

Fast work rates, reliable trailed mounting.

A perfect tool.

The VOLTO 75 T is an ideal choice for farmers and contractors who need a tedder that can handle big widths with a small tractor. This trailed model is compact and can be matched easily to every situation encountered in the field. Ease of operation has made it a firm favorite in the market.

Simplicity itself.

- Drive shaft with overload protection.
- Central adjustment of working height via a crank on the drawbar.
- The rotor throw angle is set quickly by varying the axle position.
- Road travel means just swinging the two outriggers to the rear.
- Extra wide tires and a wide track ensure a comfortable ride, even at high speeds.
- Reduced changeover effort with castor mounted wheels.



The VOLTO 75 T is fixed to the linkage drawbar or the swinging drawbar. The working height is set with a central crank lever.



Single handed changeover.

All it takes to change the VOLTO 75 T over from transport to working position or back is to activate a spring loaded lock and swing back the outriggers. This operation takes virtually no time at all.

Headland spreading.

The perforations provide different settings for the spreading left or right, and the lever makes the job easy to do.

VOLTO 770

Highest silage
output.



The ingenious folding mechanism on the VOLTO 770 combines its large working width with a low transport height and a close and secure mounting behind the tractor.



The support bar simply folds down for excellent stability.



The right choice for heavy use.

The VOLTO 770 has been designed specially for use with 10 ft (3 m) wide mowers and heavy silage harvests. You can ted three big windrows cleanly and without running over the crop.

- Seven tine arms per rotor.
- Stable guiding of the tedder by a wide triangular frame.
- CLAAS CKL power drawbar with adjustable brake for quiet operation.
- Complete warning outfit and lighting standard.
- Optional castor guide wheel for precise ground following. (Available through CLAAS Parts)

Structural strength.

The VOLTO 770 is characterised by its long service life and stability. The three-point frame, chassis design and patented power flow drawbar are setting the standard amongst the competition.

Comfortable in use.

- Rear support swings out automatically when the tedder is folded, providing added stability.

The all-rounder.

- Drive shaft with overload protection
- Maintenance-free, hermetically sealed transmission running in low-viscosity grease.
- PERMALINK drive system



VOLTO 770



Wheel mounted giants.

Large dairy farms are professionally run operations which need to run at full capacity during the harvest and use every available tractor. Every inch of working width counts in reaching top productivity. These two trailed VOLTO tedders fit the bill perfectly, with their enormous spreading widths.

Check out the details.

- Single wide-angle drive shaft with overload protection.
- Hermetically sealed, continuously lubricated, maintenance-free transmission.
- PERMALINK joints in the drive line.
- Folding in and out via a single double-acting hydraulic connection.
- The VOLTO is moved into the working position via sequenced actuation in which the rotor is first folded out and the chassis is then folded up.
- Large, hydraulically folding chassis for transport.
- Light mover with big wheel sizes.
- Complete warning outfit and lighting standard.
- Stable support bar for safe standing position.



VOLTO 870 T

King sized trailed tedders.



Large wheels.

The additional transport chassis is mounted on large wheels, making it a light machine to pull and maneuverable as well.



Double gauging.

The pivoting front gauge wheels allow optimum contour following while giving superb windrow clearance.

The triangular transport frame and box section chassis provides strength resulting in a long service life.



VOLTO 870 T

VOLTO 1050 T

Big in the field,
small on the road.



The smart transport mechanism turns the VOLTO 1050 T into a remarkably small package for road travel.





Top technology.

For the maximum tedding output over large areas in record time, there is one solution: VOLTO 1050 T. This excellent CLAAS tedder is designed for 32 ft (10 m) working width with one pass. You don't need a huge tractor either, because the trailed mounting and patented CLAAS folding layout enables the use of a tractor with no power wasted above the actual amount required for the tedding operation.

Big features and size.

- Ease of handling and clear view at work rival many smaller three point machines.
- Attachment via inverted U-frame.
- Working height adjustment via castor guide wheel available as standard.
- Double wide-angle drive shaft with overload protection.
- Patented folding technology: doubleacting valve for folding the outriggers in/out and single-acting valve for lifting and lowering the road running gear and for lifting on headlands.
- Unrivalled tedding performance.
- Exceptional maneuverability.

Mobility.

- Transport is quick and with no risk.
- Licensed for travel up to 25 mph (40 km/h).
- Large sized transport wheels for transport over long distances in the shortest time.



Are you already mowing with a 9.8 ft (3 m) or larger mower? Do you currently own a large-scale mower or a COUGAR and need a suitable follow-up machine? Are you a contractor or professional farmer and would like a reliable, robust tedder equipped with all the technical sophistication of the VOLTO series? Would you like maximum working width and minimum transport dimensions? Would you like to ted instead of wait? Then you can't go wrong with the VOLTO 1320 T.

Five windrows in one pass.

A 42 ft (13 m) working width speaks for itself. 10 rotors achieve maximum output. Five windrows of a 9.8 ft mower are tedded in just one pass. And between jobs, you are on your way again at top speed. The separate wide and true-running road running gear with its large tires enables speeds of up to 25 mph (40 km/h) without making any compromises.

There is power in silence.

The sophisticated hitching concept keeps operation of the VOLTO 1320 T as quiet as possible at even the highest working speeds. The machine does not bounce even at high speeds and runs completely true behind the tractor.

Exclusively from CLAAS: SYNCHROLINK.

Exclusively from CLAAS: SYNCHROLINK.

The two halves of the tedder are secured separately. Nevertheless, if they hit an obstacle, the drive trains stop simultaneously, thanks to a unique coupling. By dividing the forces, the cut-out torque in the event of an overload is kept as low as possible. The drive train is protected and wear on all parts is reduced to a minimum. A long service life and trouble-free operation for professional use guarantees top performance for hay and silage.



VOLTO 1320 T

Compact
giant.



VOLTO 1320 T

Reverse and revolve as you please.

Double-checked.

The double land wheel, which is suspended freely, leads the VOLTO 1320 precisely across all soil profiles. It neatly turns any type of forage, using every trick in the book.

The art of folding.

With just one double-acting control unit, you can fold the 42 ft (13 m) working width to a compact 9.7 ft (2.98 m) transport width. With a transport length of only 19.8 ft, the VOLTO 1320 T seems to be in a class of its own. Convenient to trail and exceptional manoeuvrability - driving pleasure in all situations.





Technology that is setting the standard.

- Mounted using an with inverted U frame on the lower linkage points of the tractor.
- Drive with a single wide-angle drive shaft, optionally with integrated freewheel mechanism or double wide-angle drive shaft.
- Simple operation via a single double-acting hydraulic connection.
- Drive train with wear-free PERMALINK technology
- Hermetically sealed, continuously lubricated – and therefore maintenance-free – rotor drives in an extremely stable cast iron casing.
- Simple operation via a single double-acting hydraulic connection.
- Spring tines with extremely high load-bearing capacity and new standard tine catches to prevent loss.
- Complete warning signs and lighting standard.



VOLTO 1320 T

VOLTO

| | | VOLTO 52 T | VOLTO 75 T | VOLTO 770 | VOLTO 870 T |
|--------------------------|-----------------|------------|-------------|---------------|---------------|
| Working width | ft (m) | 17 (5.2) | 24.6 (7.5) | 25.3 (7.7) | 28.5 (8.7) |
| Transport width | ft (m) | 9.5 (2.9) | 9.8 (2.98) | 9.8 (2.98) | 9.8 (2.98) |
| Transport height: | | | | | |
| parked | ft (m) | 8.7 (2.65) | 10.7 (3.25) | 10.7 (3.25) | 11.5 (3.5) |
| during transport | ft (m) | | – | – | – |
| Transport length | ft (m) | | 16.6 (5.05) | – | 13 (3.95) |
| Power requirement | from hp/kW | | 30/22 | 60/45 | 60/45 |
| Mounting | Category | II | II | II | II |
| Rotors | Number | 6 | 6 | 6 | 8 |
| Tine arms per rotor | Number | 6 | 6 | 7 | 6 |
| Rotor frame angle | Degrees | 13/16 | 13/16 | 12/16 | 12/16 |
| Tine overrun | Degrees | –7/0/+7 | –7/0/+7 | –7/0/+7 | –7/0/+7 |
| PTO speed | rpm | 540 | 540 | 540 | 540 |
| Tires, standard | | | | | |
| 16 x 6.50-8 6 PR | | 6 | 6 | 6 | 6 |
| 20.5 x 8.0-10 6 PR | | | – | – | – |
| 18.5 x 8.5-8 6 PR | | | – | – | 2 |
| 215/65-15 6 PR | | | – | – | 2 |
| 10.00/75-15.3 10 PR | | | – | – | – |
| Guide wheel tires | | | | | |
| 16 x 6.5-8 6 PR | | – | – | i | – |
| 18.5 x 8.5-8 6 PR | | – | – | – | – |
| Double guide wheel tires | | | | | |
| 16 x 6.5-8 6 PR | | – | – | – | i |
| 18.5 x 8.5-8 6 PR | | – | – | – | – |
| Drive system | | | | | |
| PERMALINK | | – | – | I | I |
| Double universal joints | | I | I | 1 x right | – |
| Weight per model | approx. lb (kg) | | 1,450 (656) | 2,200 (1,000) | 3,023 (1,370) |

I Standard i Option

CLAAS continually strives to adapt its products to meet practical requirements. All products are subject to change. All descriptions and specifications in this brochure should be considered as approximate and photos may include optional equipment that is not part of the standard specifications. Please contact your nearest CLAAS dealer for prices and for local specification details. Some protective panels may have been removed for photographic purposes in order to present the function clearly. Never remove these protective panels yourself to avoid any risk of danger. In this respect, please refer to the relevant instructions in the operator's manual.

VOLTO 1050 T VOLTO 1320 T

| | |
|---------------|---------------|
| 33 (10) | 42.4 (13) |
| 9.8 (2.98) | 9.8 (2.98) |
| 8.7 (2.65) | 12.1 (3.7) |
| 9.5 (2.9) | 12.5 (3.8) |
| 13.8 (4.2) | 19.8 (6.05) |
| 75/55 | 75/55 |
| II | II |
| 8 | 10 |
| 7 | 7 |
| 13/16 | 12/16 |
| -7/0/+7 | -7/0/+7 |
| 1000 | 1000 |
| 6 | 6 |
| 2 | — |
| — | 4 |
| — | — |
| — | 2 |
| — | — |
| I | — |
| — | — |
| — | I |
| — | I |
| I | — |
| 3,000 (1,360) | 4,980 (2,260) |

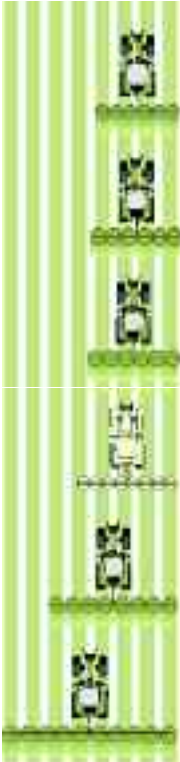
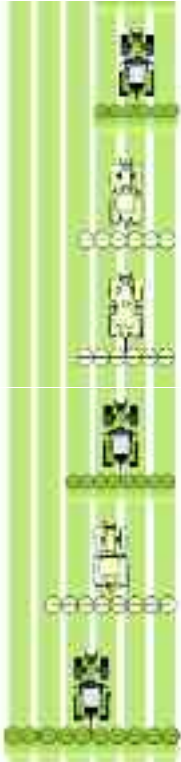

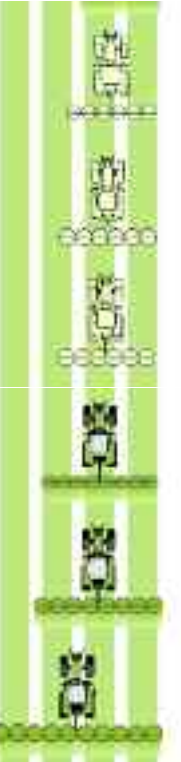




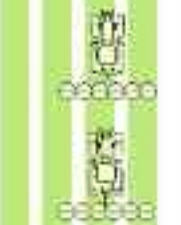

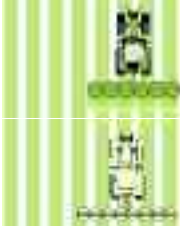
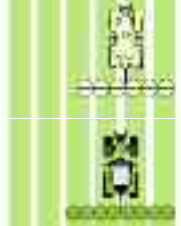



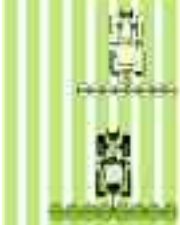
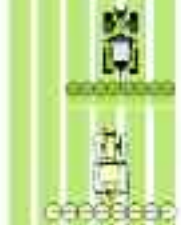
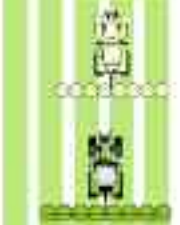
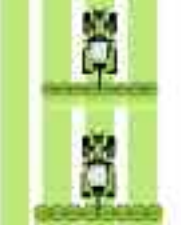


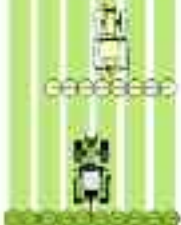
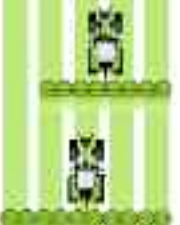









Technical specifications

A good match.



As one of the leading system providers in the field of forage harvesting, CLAAS can supply more than just the sophisticated VOLTO range. What use is the best tedder if it cannot pick up and distribute the windrow of the mower in front? CLAAS therefore offers you the perfect harvesting combination for your forage.

| | Working Width 5.9 ft – 6.9 ft (1.8 - 2.1 m) | Working Width 7.9 ft – 8.5 ft (2.4 - 2.6 m) | Working Width 9.8 ft (3 m) | Working Width 11.2 ft (3.4 m) | Working Width 12.5 ft (3.8 m) |
|--------------|---|---|---|--|---|
| VOLTO 52 T |  |  |  |  |  |
| VOLTO 75 T |  |  |  |  |  |
| VOLTO 770 |  |  |  |  |  |
| VOLTO 870 T |  |  |  |  |  |
| VOLTO 1050 T |  |  |  |  |  |
| VOLTO 1320 T |  |  |  |  |  |



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