



VOLTO  
Tedders



Perfectly coordinated. Forage  
harvesting technology from CLAAS.





For daily grassland-based operations, you need more than just robust operational machinery; you need technology that works and is easy to work with – reliable technology that works in unison when the going gets tough and when there seems to be no end in sight. And what's more, you need harvesting systems that fit together seamlessly.

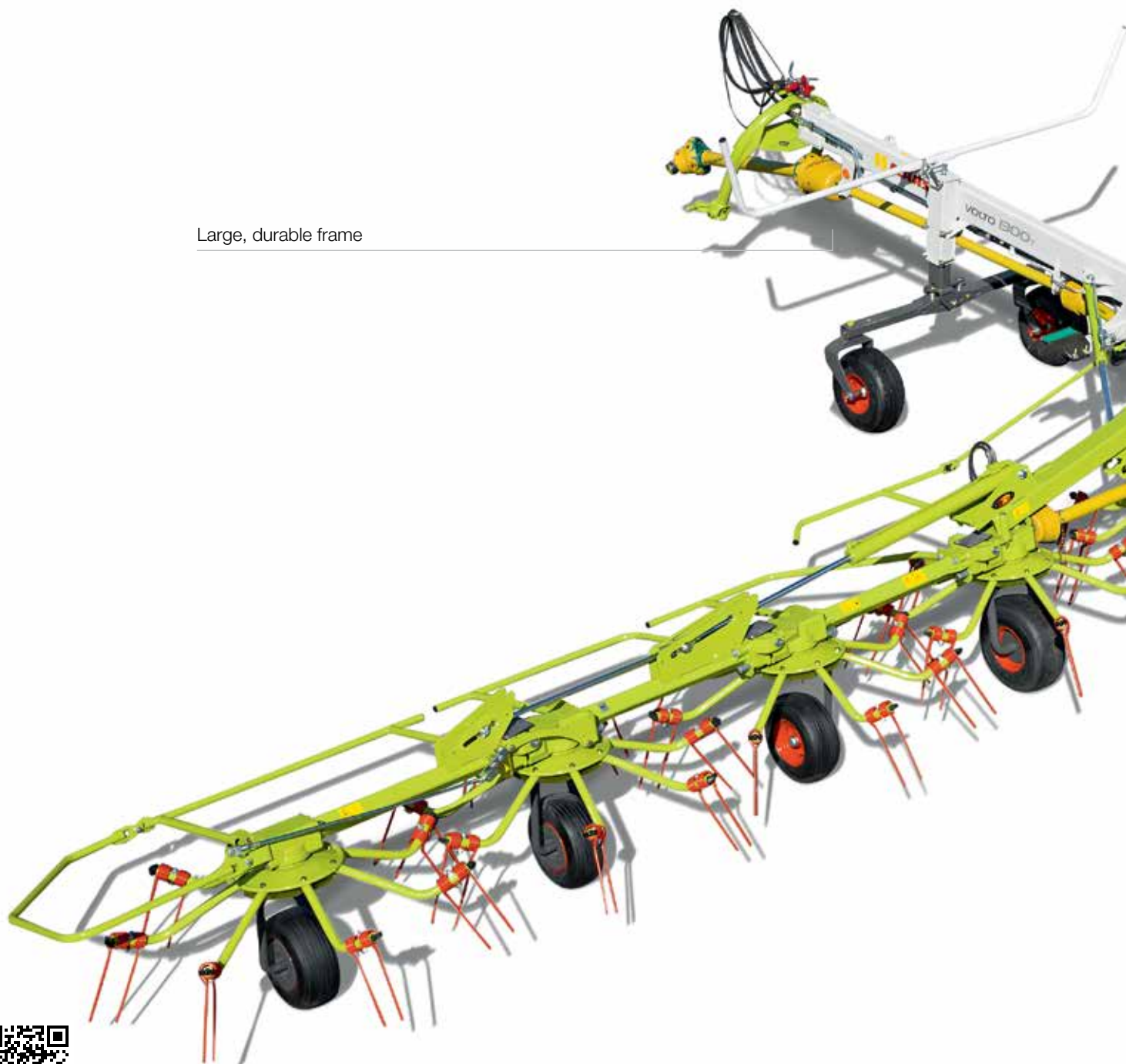
As a leading equipment manufacturer of forage harvesting machinery, CLAAS provides the ideal harvesting chain for any farm or business size. Our coordinated machines support you in your day-to-day operations and enable you to achieve optimal results in forage harvesting.

## Contents

VOLTO 1300 T	14
<b>MAX SPREAD tedders</b>	
VOLTO 1100 T	18
VOLTO 900 T	20
VOLTO 800	22
VOLTO 800 TH	24
<b>Compact tedders</b>	
VOLTO 75 T	26
VOLTO 52 T	28
<b>Specifications</b>	<b>30</b>

# Impressive.

Large, durable frame

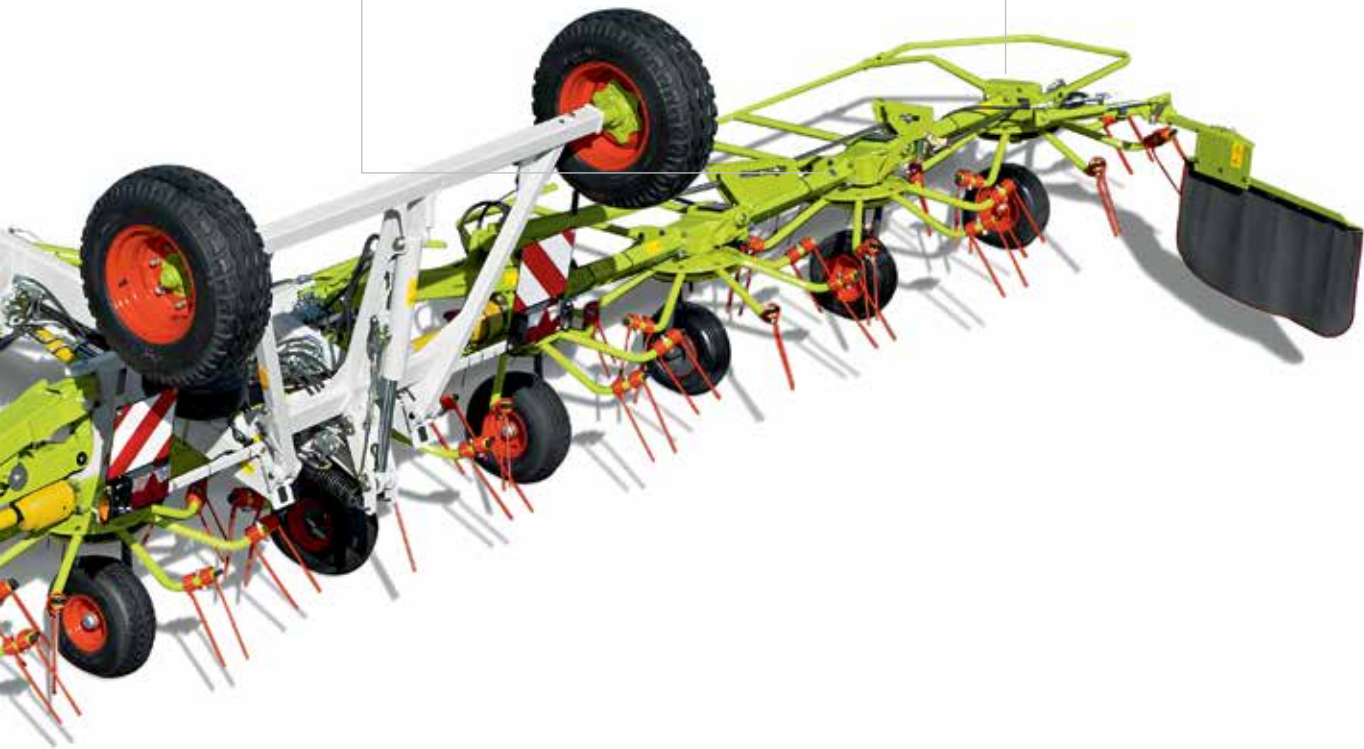




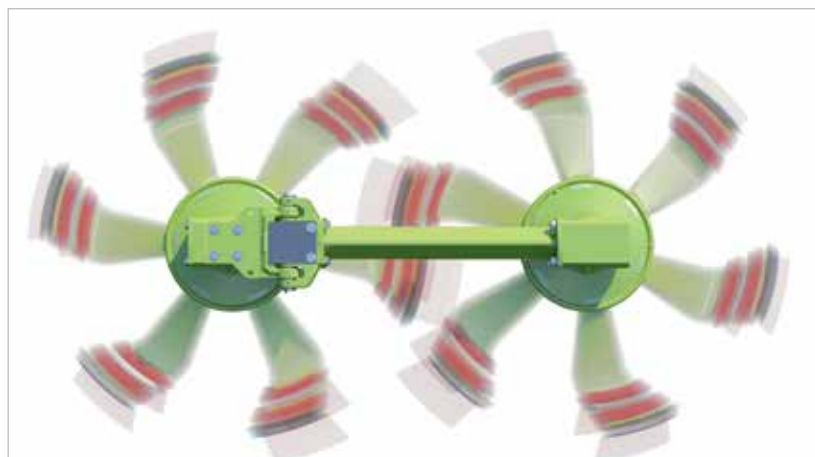
PERMALINK finger clutch



Maintenance-free transmission



MAX SPREAD crop flow concept



# CLAAS PERMALINK – driven by innovation.

## Intelligent drive train.

The innovative PERMALINK power flow transmission system is at the heart of the VOLTO.

- Features low-wear, cast-steel components with large contact areas thanks to the flattened finger contact surfaces.
- The system stays fully engaged when folding through 180° with reliable power flow in every situation.

## Tried and tested.

The VOLTO 75 T is driven by jointed shafts. With generously proportioned cast iron joints on the arms and cast-iron rotor bearings, these machines are a prime example of compact-but-sturdy design at a great value. All VOLTO tedders are equipped with easily-serviced hexagonal shafts for a reliable power flow.





### Enclosed drives.

Another highlight of the VOLTO 1300 T, 1100 T, 900 T, and 800 models is the hermetically sealed transmission running in low-viscosity grease and encased in rugged cast-iron housings.

- Robust, durable, and maintenance-free.
- Full-time rotor lubrication to handle heavy operation and provide excellent harvesting results.
- No crop contamination following oil loss.



### Enormous stability.

The generously dimensioned connecting tubes between the individual rotors are angled at 45°. This angle absorbs torsional forces and the extra-large flange surfaces create additional strength for the bolted connections.





### Perfect forage a few steps away.

Our aim is to help you make top-quality forage with minimum drying time. The CLAAS spring tines transform windrows into evenly spread layers, paving the way for a good crop.

- Highly flexible spring steel tines with five windings for maximum strength and flexibility.
- Round tine arms cope with heavy loads and ensure reliable tine guidance.
- The throw angle can be adjusted for different work stages or forage types.
- Tine protection system as standard.

### The angle makes all the difference.

Using the 3 position tine advance bracket allows you to position the tine fingers 7 degrees forward to reduce the RPM for gentler handling of alfalfa and reduced leaf loss.

### Small details mean a lot.

The fingers of the rugged tines are equal in length to pick up the swath cleanly for a uniform spread. The crop is picked up in layers for thorough mixing and even drying.

- Minimum crop contamination, thanks to step-by-step handling.
- Tine breakage is reduced, owing to uniform loading of the pairs of tine fingers.
- Identical tines for each rotor direction for simpler spare parts purchasing and stocking, which makes tine replacement straightforward.



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



#### Tough running gear.

Super balloon tires and sturdy 35-mm axle stubs (45-mm on the VOLTO 1300 T) provide all VOLTO models with safe ground tracking, even at high speeds.



#### Robust tine arms for heavy loads.

The circular tine arms are bolted to the extra-strong rotor plate. The reinforcement ring has recesses for each tine arm to provide extra strength. Thanks to their circular shape, the tine holders resist bending. Reliable tine guidance and fewer breakages are the result.



#### Refined tine catches to prevent tine loss.

The tine catches prevent the loss of tines effectively and, thanks to their trapezoid shape, prevent the forage from wrapping around the tine arms.

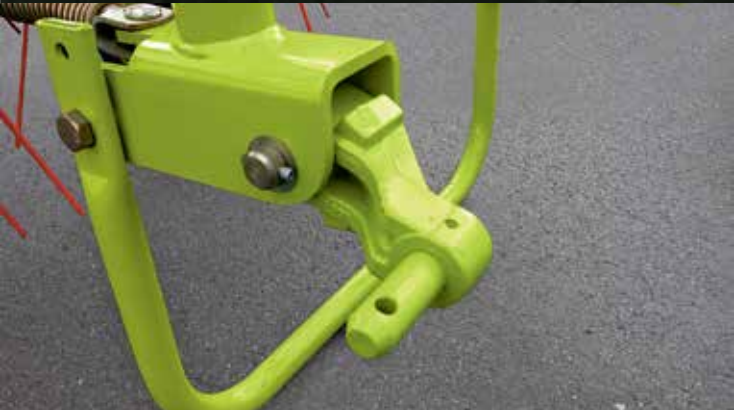
# The CLAAS CKL power flow drawbar – balance is everything. (VOLTO 800 Only)



Enhanced safety through CKL (VOLTO 800 only).

The CKL power drawbar consists of a pair of telescopic arms fitted to the chassis. Spring-loaded braking cones built into the telescopic arms of the CKL system ensure safer running of the machine.

- Direct transfer of 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.
- Uniform contour following and constant working height of the tines.
- Smooth field crossing regardless of width; no bouncing.
- No tedder overrun on downhill slopes.
- Automatic locking of the three-point frame for secure road transport with no need for additional transport locking device.



### Sturdy mounting points.

The weight of the tedder is transferred dependably to the lower linkage via the sturdy mounting points.



### Spring-loaded brake cones.

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



### Adjustable brake.

Adjustable brakes provide additional safety on the VOLTO 800.

There's more if you want it.

#### Additional tine loss protection system. (Available through CLAAS Parts)

For greater peace of mind on the go, CLAAS offers additional nylon connectors alongside its standard tine loss protection catches. If a tine breaks before the initial turn, it remains secured in place. As tine loss is virtually excluded as a result, the absolute operational safety of the machine following behind is guaranteed.

#### Additional castor guide wheel.

The additional front castor guide wheel (optional on all three-point tedders) enables the VOLTO to move independently of the tractor. The upper link then runs in a slotted hole in the three-point frame.

A dual castor guide wheel is fitted as standard on the VOLTO 1300 T, 1100 T, and 900 T. Furthermore, all VOLTO machines can be equipped with a spare wheel including holder (through CLAAS Parts).





## The crop guard for superb clearance.

All VOLTO models, with the exception of the VOLTO 75 T, can also be fitted with an optional perimeter spreading device using a folding crop guard (available through CLAAS Parts). This crop guard is mounted on the outside of the tedder frame and keeps all the crop on the field. Its shallow angle relative to the crop limits the trajectory of the material during the tedding process. The wheels no longer need to be set at an angle, which saves valuable time. Simply swing the guard into position and the crop stays where it belongs. For normal tedding, you simply swing the mat up and out of the tedding area, depending on your choice of option.

- Clean field edges.
- No need to angle the entire machine to one side.
- The crop is not thrown back inwards, ensuring a uniform crop spread.
- No overlapping in the following pass means full utilization of the working width and drying takes place evenly.
- To ensure consistently good results, the mounting is free to pivot so the tedder tracks accurately behind the tractor.
- No uneven loading of axle stubs.

An optional, hydraulically folding crop guard is available for all VOLTO three-point tedders and VOLTO 1300 T, and 900 T models. This requires an additional spool valve.





## A tedder for professionals.

Are you already mowing with a 10 ft (3 m) or larger mower? If you currently operate a large-scale mower, you're definitely in the market for a suitable machine to spread the windrow. It makes little difference whether you're a contractor or a full-time farmer, because everyone appreciates a reliable, robust tedder equipped with all the technical sophistication of the VOLTO series. Are you looking for maximum working width but minimum profile on the road, and would you rather ted than wait around? Then you can't go wrong with the VOLTO 1300 T.

## Five windrows in one pass.

A 42.4 ft (13 m) working width speaks for itself. Ten rotors with seven tine arms each achieve maximum output, and five swaths from a three-metre mower are teded in just one pass. Between jobs, you are on your way again at top speed. The separate wide and true running gear with its large tires enables you to travel on the road at speeds of up to 25 mph (40 km/h) without making any compromises.

## Silent power.

The sophisticated hitching system on the VOLTO 1300 T is how the CLAAS engineers made this tedder as quiet as it is, even at the highest working speeds. The machine does not bounce even at high speeds and tracks completely faithfully behind the tractor.



# The compact giant.

## Exclusively from CLAAS: SYNCHROLINK.

The two halves of the tedder are secured separately, but if they hit an obstacle the drive trains stop simultaneously, thanks to the 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 over huge acreages in the hands of professional users guarantees you good returns in hay and silage.

## Double checking.

The dual castor-mounted guide wheels keep the VOLTO 1300 T at a consistent height over the field surface. This ensures clean forage and optimal crop pick-up.



# Turn it any way you want.

## This technology sets the standards.

- Robust carrier frame.
- Drive with a single wide-angle PTO shaft.
- The drive train comes with wear-free PERMALINK technology.
- Being hermetically sealed and continuously lubricated, the rotor drives are maintenance-free and housed in an extremely robust cast-iron casing.



## Impressive operation.

- Simplest possible operation via just one double-acting hydraulic connection.
- Infinitely variable working height and precision guidance of rotors via dual castor guide wheel.
- Extra-wide balloon tires on rotor chassis for reliable ground-contour following.
- The independent running gear chassis has an extremely wide track which improves cornering characteristics.
- Lighting and warning signs fitted as standard.



## New spreading arms.

- Open position of the tine arm for releasing the material behind the tedder and more even spreading.
- Better tine durability.
- Gentle handling of the forage, no picking into pieces of the forage while moving the material between the rotors = reduction of loss, more yield, less power consumption.







## The art of folding.

Just one dual-acting spool valve is all it takes to fold from the expansive 42.4 ft (13 m) working width to a compact 9.8 ft (3 m) transport width. With an on-road length of only about 19.7 ft (6 m), the VOLTO 1300 T is in a class of its own.

It's undemanding when being trailed and offers exceptional maneuverability, whether moving around the yard or turning in the field – a pleasure to operate in any situation.



## Performance of the highest order.

For maximum tedding output over large areas in record time, we have the perfect solution: the VOLTO 1100 T. This king-sized CLAAS tedder is designed for 35.1 ft (10.7 m) working widths with just one pass.

- Unrivalled tedding performance
- Extra-wide balloon tires for reliable ground-contour following.
- Compact design for outstanding maneuverability.

## The VOLTO 1100 T shows its class.

- 35.1 ft (10.7 m) working width with ten rotors and six tine holders per rotor.
- Robust carrier frame.
- Double wide-angle drive shaft with overload protection, with integrated over running clutch.
- Robust rotor transmission for a long service life.
- Working height adjustment via castor guide wheel fitted as standard.
- The patented folding technology: a dual-acting spool valve for folding the outriggers in and out, and a single-acting valve for lifting and lowering the running gear, as well as for lifting on headlands.
- A mechanical crop guard is available as an option.

## Mobility.

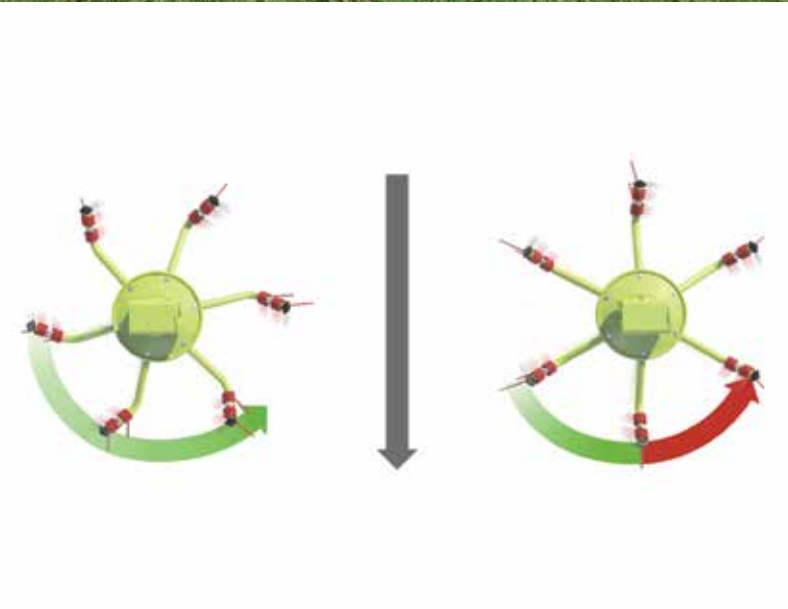
- As neat and compact as a three-point machine.
- Very low transport width of just 9.8 ft (3 m).
- Road travel is carried out quickly and safely.
- Wide, robust transport chassis with large transport tires for secure on-road transport and to cover long distances in short time frames.

## New spreading arms.

- Open position of the tine arm for releasing the material behind the tedder and more even spreading.
- Better tine durability.
- Gentle handling of the forage, no picking into pieces of the forage while moving the material between the rotors = reduction of loss, more yield, less power consumption.

VOLTO 1100 T

Big in the field, small on the road.



# King-sized trailed tedders.



## Wheel-mounted giant.

Large dairy farms are professional operations that need to run at full capacity during the harvest and make use of every available tractor. Every inch of working width counts toward reaching top productivity. The trailed VOLTO tedders fit the bill perfectly with their enormous spreading widths, reliability and efficiency.

The triangular frame (in combination with the connecting tubing rotated 45°) gives the machines their stability. Entirely characteristic of their durability, VOLTO machines come equipped with a continuously lubricated and maintenance-free rotor transmission and PERMALINK finger clutch. Protected by a drive shaft with overload protection, VOLTO TEDDERS in the MAX SPREAD series are built for the highest possible standards. On three-point linkage mounted machines, the CLAAS power flow drawbar delivers additional comfort and safety.



## Tailored to your every need.

The VOLTO 900 T is equipped with eight rotors and a 28.5 ft (8.7 m) working width to perform tedding work of the highest quality in all conditions, thanks to its small rotor diameter.



### Check out the details.

- Folds in and out via just one dual-acting hydraulic connection.
- Extra-wide balloon tires on the rotor wheels for reliable ground-contour following.
- The VOLTO is moved into the working position via an ingenious sequential switching unit. The rotors are first opened out and then the chassis is raised into position.
- Large, hydraulically folding separate transport chassis with big wheels for speed and maneuverability.
- Licensed for travel up to 25 mph (40 km/h).
- Warning signs and lighting as standard.
- The sturdy folding bar rest provides a stable parking position.

### Options.

- Optional manual or hydraulic crop guard.
- Double castor guide wheel.

VOLTO 800

For top silage  
output.



### The perfect choice for the industry.

The VOLTO 800 has been designed specially for use with 9.8 ft (3 m) wide mowers and for heavy silage work. You can ted three big swaths cleanly and without running over the crop.

The ingenious folding mechanism on the VOLTO 800 combines a large working width of 25.3 ft (7.7 m) with a low transport height. It's designed to fit close up and securely behind the tractor.

### Structural strength for the long haul.

The hallmark of the VOLTO 800 tedder is undoubtedly its long service life and rugged design. The three-point mounting frame, heavy-duty chassis and patented CKL power flow drawbar put it in a class of its own.

- Robust three-point U-frame mounting for maximum drive shaft maneuverability.
- The wide triangular frame gives the extra rigidity needed for accurate tracking behind the tractor.
- CLAAS CKL power drawbar with adjustable brake for smooth operation.



### It takes on every job.

- Six-rotor tedder with seven tine holders per rotor.
- Drive shaft with overload protection.
- Maintenance-free, hermetically sealed rotor transmission.
- PERMALINK drive system.
- Extra-wide balloon tires on rotor chassis for reliable ground-contour following and high-accuracy tedding.
- Warning signs and lighting as standard.
- Optional castor guide wheel for precise ground-contour following.
- Night work gearbox available as an option.

### Comfort features galore.

- Hydraulic headland lifting as standard.
- Sturdy, easily foldable rest bar for secure parking.
- The rear support swings out automatically when the tedder is folded up, providing added stability.
- Perimeter spreading in a perfectly straight line right along the edge of the field, without inclining the entire machine, using either the mechanically or hydraulically folding crop guard.

# Drawbar mounted tedder.



## The ideal drawbar tedder.

The new VOLTO 800 TH tedder is the latest addition to the CLAAS tedder family, offering a 6-basket tedder with a drawbar attachment and hydraulic folding from inside the cab.

The larger tires and heavy-duty spindles on the VOLTO 800 TH to handle the weight of the tedder while in transport mode.

## Better alfalfa handling.

CLAAS knows that alfalfa needs to be handled gently. The adjustment piece exclusive to CLAAS tedders allows the operator to advance or decrease the tine angle by 7 degrees (or remain in neutral position) to spread the crop evenly at different rotor speeds. By running the tine angle forward 7 degrees, the operator can reduce RPM and still achieve the desired crop spread without aggressively handling the fragile alfalfa leaves.





Check out the details.

- 6-basket tedder with 25'2" working width
- Hydraulically folds into transport mode
- Hydraulic tilt
- Drawbar attachment
- Heavy-duty spindles to handle tedder weight during transport
- Angled tine arms for better shock-load absorption

Key features.

- round tine arm tube design for more durability
- power transfer via PERMALINK with reduced wear
- adjustable throw angle (from 13 to 16 degrees)
- adjustable tine height and tine angle

# Fast work rates, reliable trailed mounting.

## An economical machine.

The trailed VOLTO 75 T six-rotor tedder with its 24.6 ft (7.5 m) working width is the ideal choice for farmers and contractors looking for a large-width tedder that can work well with a small tractor. The VOLTO 75 T is compact, easy to operate, and can be matched quickly and easily to any situation encountered in the field.

## Simplicity itself.

- Attached via the sturdy linkage drawbar or swinging drawbar.
- Drive shaft with overload protection.
- Central adjustment of the working height via a crank on the drawbar.
- The rotor throw angle is set quickly by varying the eccentric axle location.
- Extra-wide balloon tires and a wide track ensure a comfortable ride, even at high speeds.





### Single-handed changeover.

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

- Road travel means just swinging the two outriggers to the rear.
- Reduced effort needed for changeover with castor-mounted wheels.

### Field-edge spreading system.

The holes illustrated on the left are used to adjust the spreading action towards the left or right. This is easily done using the built-in lever.



### For the smaller farm.

The VOLTO 52 T is our no-frills, four-rotor tedder at an attractive price for smaller acreages. With a 17 ft (5.2 m) working width, this model offers a working quality equal to that of larger machines.

### Compact dimensions.

- In the transport position, the center of gravity moves close to the tractor.
- 90° folding angle, thanks to PERMALINK, resulting in compact dimensions and secure and stable transport.

### Mature design and proven features.

- Rigid mounting frame.
- Drive shaft with overload protection.
- PERMALINK drive line.
- Large, 16-inch balloon tires to keep the tedder on track, even when the going is tricky.
- Hydraulic changeover between working and transport positions with convenient operation directly from the driver's seat.
- Perimeter spreading with the premium crop guard, either mechanically or hydraulically folding (Optional through CLAAS Parts).
- Wheel adjustment as standard.

VOLTO 52 T

A tedder for every farm.



# VOLTO

		MAX SPREAD series				
Dimensions and weights		1300 T	1100 T	900 T	800	800 TH
Working width	ft (m)	42.4 (13)	35.1 (10.7)	28.5 (8.7)	25.3 (7.7)	25.3 (7.7)
Hitch Type		2 pt Trailed	2 pt Trailed	2 pt Trailed	Cat II 3 pt	Drawbar
Mounting	Category	II	II	II	II	II
Power requirement	from kW (hp)	55 (75)	55 (75)	44 (60)	45 (60)	45 (60)
<b>Drive line</b>						
PTO shaft speed	rpm	1000	540	540	540	540
PERMALINK		●	●	●	●	●
Maintenance-free transmission		●	●	●	●	●
<b>Rotors</b>						
Rotors	Qty	10	10	8	6	6
Rotor diameter	in (m)	67 (1.7)	59 (1.5)	59 (1.5)	67 (1.7)	67 (1.7)
Tine arms per rotor	Qty	7	6	6	7	7
MAX SPREAD crop flow concept		●	●	●	●	●
Rotor frame angle	Degrees	12/16	12/16	12/16	12/16	12/16
Tine overrun	Degrees	-7/0/+7	-7/0/+7	-7/0/+7	-7/0/+7	-7/0/+7
<b>Convenience</b>						
Guide wheel		●	●	●	○	–
Headland lift		●	●	○	●	●
Edge-tedding crop guard		○	○	○	○	○
Edge spreading through wheel adjustment		–	–	–	–	–
Spare wheel		○	○	○	○	○
<b>Hydraulic connections</b>						
for folding mechanism		1 x dual-acting	1 x single-acting + 1 x dual-acting	1 x dual-acting	1 x dual-acting	1 x dual-acting
for optional hydraulic crop guard		1 x single-acting	1 x single-acting	1 x single-acting	1 x single-acting	1 x single-acting
<b>Tires, standard</b>						
16 x 6.5–8 6 PR		6	8	6	6	4
18.5 x 8.5–8 6 PR		4	2	2	–	2
215/65–15 6 PR		–	–	2	–	–
10.00/75–15.3 10 PR		2	2	–	–	–
<b>Gauge wheel tires</b>						
16 x 6.5–8 10 PR		–	–	–	○	○
18.5 x 8.5–8 6 PR		●	○	○	–	–
<b>Transport dimensions</b>						
Height when parked	ft (m)	12.1 (3.7)	13 (3.99)	12 (3.65)	11.1 (3.4)	11.1 (3.4)
Transport width	ft (m)	9.8 (2.98)	9.8 (2.98)	9.8 (2.98)	9.8 (2.98)	9.8 (2.98)
Travel length	ft (m)	19.9 (6.06)	13.8 (4.22)	13.8 (4.22)	–	–
<b>Weight</b>						
according to spec.	lb (kg), approx.	4,982 (2,400)	3,925 (1,780)	2,469 (1,370)	2,204 (1,000)	2,204 (1,000)

● Standard ○ Optional through CLAAS Parts – Not available

		<b>Compact series</b>	
		<b>75 T</b>	<b>52 T</b>
Working width	ft (m)	24.6 (7.5)	17 (5.2)
Hitch Type		Drawbar	Drawbar
Mounting	Category	II	II
Power requirement	from kW (hp)	22 (30)	18 (25)
<b>Drive line</b>			
PTO shaft speed	rpm	540	540
PERMALINK		–	●
Maintenance-free transmission		–	–
<b>Rotors</b>			
Rotors	Qty	6	4
Rotor diameter	m	1.50	1.50
Spreader arms per rotor	Qty	6	6
MAX SPREAD crop flow concept		–	–
Spreading angle	Degrees	13/16	13/16
Tine overrun	Degrees	-7/0/+7	-7/0/+7
<b>Convenience</b>			
Guide wheel		–	–
Headland lift		–	●
Edge-tedding crop guard		–	○
Edge spreading through wheel adjustment		●	●
Spare wheel		○	○
<b>Hydraulic connections</b>			
Folding		–	1 x single-acting
Hydraulic edge-tedding crop guard (optional)		–	1 x dual-acting
<b>Tires</b>			
16 x 6.5–8		6	4
18.5 x 8.5–8		–	–
215/65–15		–	–
10.00/75–15.3		–	–
<b>Gauge wheel tires</b>			
16 x 6.5–8 10 PR		–	○
18.5 x 8.5–8		–	–
<b>Transport dimensions</b>			
Height when parked	m	–	8.7 (2.65)
Transport width	m	9.8 (2.98)	9.8 (2.98)
Travel length	m	16.6 (5.05)	–
<b>Weight</b>			
according to spec.	lb (kg), approx.	1,446 (656)	1,090 (494)

CLAAS continually develops its products to meet customer needs. This means that all products are subject to change without notice. All descriptions and specifications in this brochure should be considered approximate and may include optional equipment that is not part of the standard specifications. This brochure is designed for worldwide use. Please refer to your nearest CLAAS dealer and their price list for local specification details. Some protective panels may have been removed for photographic purposes in order to present the function clearly. To avoid any risk of danger, never remove these protective panels yourself. In this respect, please refer to the relevant instructions in the operator's manual.



CLAAS of America Inc  
8401 S 132nd Street  
Omaha, NE 68138  
Phone +1 (402) 861-1000  
Fax +1 (402) 861-1003  
[www.claas.com](http://www.claas.com)

CL99881016 / 11/2015