



Tractors

XERION

5000 4500 4200



Test drive the new XERION.

Some tractors only feel good when they are being pushed to their limits. Doing what they are built to do. Like the XERION. Uniquely designed for maximum slip control, tractive performance and dynamism.

And since we listen to our customers, we know that even the best machines always have a little room for improvement: a chassis that is more gentle on the soil, even more impressive engine power and even more user-friendly controls. Test drive the new XERION. Making hard work easier.



Discover the new XERION in all its versatility.





XERION 4200.
462 hp even in the entry-level model.
Page 18



TRAC TS.
Crawler track system with 25% larger footprint.
Page 10



CEBIS with touchscreen. Built into the new tractor armrest.
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1,000 h maintenance interval. 38% reduction in servicing costs, 50% less time spent in workshop.
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Discover all the new features of the XERION.

xerion.claas.com



Four versions. Unique build concept.

There is nothing quite like the XERION. You'd recognise it instantly: four equal-sized wheels or crawler tracks on two steered axles, full-frame construction for carrying enormous loads, continuously variable transmission up to 530 hp and the intuitive operation that you only get from CLAAS.

- TRAC with fixed cab (page 8)
- TRAC TS with crawler tracks (page 10)
- TRAC VC with rotating cab (page 12)
- SADDLE TRAC leaving room for a mounted tank (page 14)

Six benefits. Endless possibilities.

- Four equal-sized wheels, dual tyres or crawler tracks convert engine power into tractive power
- Two steered axles offer five steering modes for a wide range of applications
- Add up to 6.8 t ballast at the front and rear
- The fully load-bearing frame can support loads of up to 15 t per axle

- Continually variable transmission delivering up to 530 hp helps you to reduce fuel consumption
- Operate the XERION intuitively with the CEBIS touchscreen

XERION TRAC.

Unbeatable in the field.

TRAC with central cab.

The XERION TRAC is the best option if arable work is your main focus. It has a suspended comfort cab in the middle of the vehicle and large windows for unique all-round visibility.

The benefits for you.

- In the field you have the advantage of high traction and greater pulling power
- Ballasting and a swan neck hitch ensure that all loads are evenly distributed cross the two driven axles
- The large tyre contact area protects the soil

Applications.

Tillage.

Four equal-sized wheels provide excellent tractive power. The weights are ideally distributed and the machine is very easy to ballast.

Drilling.

You can achieve high work rates and save fuel thanks to the carefully tuned engine management system.

Field transport.

Superb pulling power gets the job done quickly. The CMATIC transmission offers a high level of driving comfort.

Slurry application.

Power hydraulics deliver 250 l/min. It has a turning circle of just 15.7 m and crab steering to protect the soil.



XERION TRAC TS.

Protects your soil like no other.

TRAC TS with crawler track system.

The request for a XERION with crawler tracks has come from farmers all around the world who work either with soils that are very sensitive to compaction or under conditions which call for a greater contact area.

The new XERION TRAC TS has a crawler track system consisting of four triangular tracks. This gives it a 25% larger footprint than the wheeled version. Despite this, the TRAC TS is no wider than the 3.00 m required for legal road use. The crawler track system is available for the XERION 5000 and 4500.

The benefits for you.

- High traction whatever the conditions
- Easy on the soil even under heavy loads
- 30 t permissible gross weight and 4.72 m² contact area effortlessly convert engine power to tractive power
- The suspended cab fixed in the middle offers outstanding all-round visibility
- Drive safely and comfortably on the road at 30 km/h
- Vehicle width of 3.00 m complies with road traffic regulations

Applications.

Heavy tillage.

Despite its high tractive power, the machine exerts little ground pressure. And it can be ballasted easily and effectively.

Drilling.

Achieve high work rates, go easy on the soil and save fuel, thanks to the intelligent engine management system.



XERION TRAC VC.

Reversing has never been so comfortable.

TRAC VC with the rotating cab.

Some applications require particularly good visibility to the rear of the tractor. The rotating cab (VC stand for Variable Cab) is the most convenient reverse-drive system imaginable. At the press of a button, you can rotate the entire cab from its central position to the rear-facing position above the rear axle in seconds.

The benefits for you.

- Perfect view of rear attachments
- The controls rotate automatically with the cab
- All functions remain the same when operating in the rear position
- The new armrest with integrated CEBIS touchscreen makes it even more straightforward to operate
- Enjoy a high level of on-road comfort with the cab in the central position

Applications.

Silo operations.

Enormous pushing power combined with crab steering for optimal compaction.

Wood chipping.

The XERION is ready to go, with excellent all-round visibility and plenty of power through the PTO.

Mulching.

High power is delivered to the PTO even at low speeds, reducing your hourly fuel consumption.

Snow blowing.

CMATIC enables precision driving from a speed of 0.05 km/h. Ground clearance is impressive and you get an unrestricted view.



XERION SADDLE TRAC.

It won't let you down.

Plenty of room for mounted implements.

In the SADDLE TRAC, the cab is in a fixed position above the front axle, leaving ample space behind the cab for a wide variety of implements. A mounted tank, for example, turns the XERION into a self-propelled manure spreader with plenty of power left for slurry application and incorporation.

The XERION SADDLE TRAC is a dependable load carrier you can also rely on to do any other jobs on your farm that call for a large tractor.

The benefits for you.

- A range of mounted implements turn the SADDLE TRAC into a fully self-propelled vehicle
- Even load distribution allows you to get out onto your fields much earlier in the spring
- Four large tyres combined with crab steering help to protect the soil even during heavy draught work
- With 462 hp and 2,200 Nm torque, the XERION 4200 has ample reserves

Applications.

Manure and digestate spreading.

Power hydraulics deliver 250 l/min. The turning circle is just 15.7 m.

Drilling and fertiliser application.

Get onto the field earlier in the spring and have enough capacity for high work rates.

Silo operations.

The impressive pushing power of the front linkage ensures optimal compaction on the silage clamp.





Our drive system: the perfect interplay between optimal components.

Your CLAAS machine is much more than the sum of its individual parts. Top performance is only possible when all the parts are ideally matched and work together optimally.

In CLAAS POWER SYSTEMS (CPS), we have brought together top-quality components to create an intelligent drive system that sets new standards. Full engine output only when you need it. Drives that are suited to the way your machines are used. Fuel-saving technology which quickly pays off.

CPS | CLAAS
POWER
SYSTEMS

Power where you need it.

Impressive performance.

CLAAS POWER SYSTEMS combines powerful 6-cylinder Mercedes-Benz engines with a simple drive train. Enormous torque is available with all three machines even in lower engine speed ranges. The XERION 5000 delivers a maximum torque of 2,600 Nm when the PTO is switched on. The low-speed concept reduces the engine idling speed from 800 rpm to 730 rpm.

462 hp even in the XERION 4200.

We have increased the engine output of the XERION 4200 by 27 hp, so drivers can now enjoy more torque at lower engine speeds – as well as enhanced driving dynamics, large power reserves and reduced fuel consumption.

- 2,200 Nm maximum torque
- Smoother running
- More power and agility



Designed to save fuel.

- Engine output of XERION 4200 increased by 27 hp to 462 hp
- Extremely powerful engines even in the low speed range
- Constant torque curve at high level
- Exhaust gas aftertreatment fully integrated without impeding visibility
- Intelligent cooling with fuel-saving fan speed control
- Radiators can be cleaned on the move by pressing a button to reverse the fan wheel

Integrated exhaust gas aftertreatment.

- Stage V thanks to SCR technology, diesel particulate filter (DPF) and diesel oxidation catalyst (DOC)
- Tucked away under the cab

XERION		5000	4500	4200
Number of cylinders		6	6	6
Cubic capacity	cm ³	12800	12800	10700
Output at nominal engine speed (ECE R 120) ¹	kW/hp	374/509	353/480	337/458
Max. output (ECE R 120) ¹	kW/hp	390/530	360/490	340/462
Max. torque (ECE R 120) ¹	Nm	2600	2400	2200

¹ Meets ISO TR 14396

Latest generation of engines.

- 6-cylinder in-line Mercedes-Benz engines
- Maximum output from 462 to 530 hp
- Common rail injection and 24 V starter motor



Continuously variable transmission for enhanced driving comfort.

Unique in this hp class.

The CMATIC continuously variable transmission from ZF is in a class of its own. From 0.05 to 50 km/h you have the benefit of outstanding driving comfort as well as efficient power transmission provided by a high mechanical component.

The linear drivetrain ensures that engine power reaches the axles and PTO by the most direct route. Selectable longitudinal and transverse differentials provide optimum power transfer.



XERION TRAC TS gets quickly up to 30 km/h.

The crawler track system allows you to travel comfortably on the road at speeds of up to 30 km/h.



Short transfer times at 40 or 50 km/h.

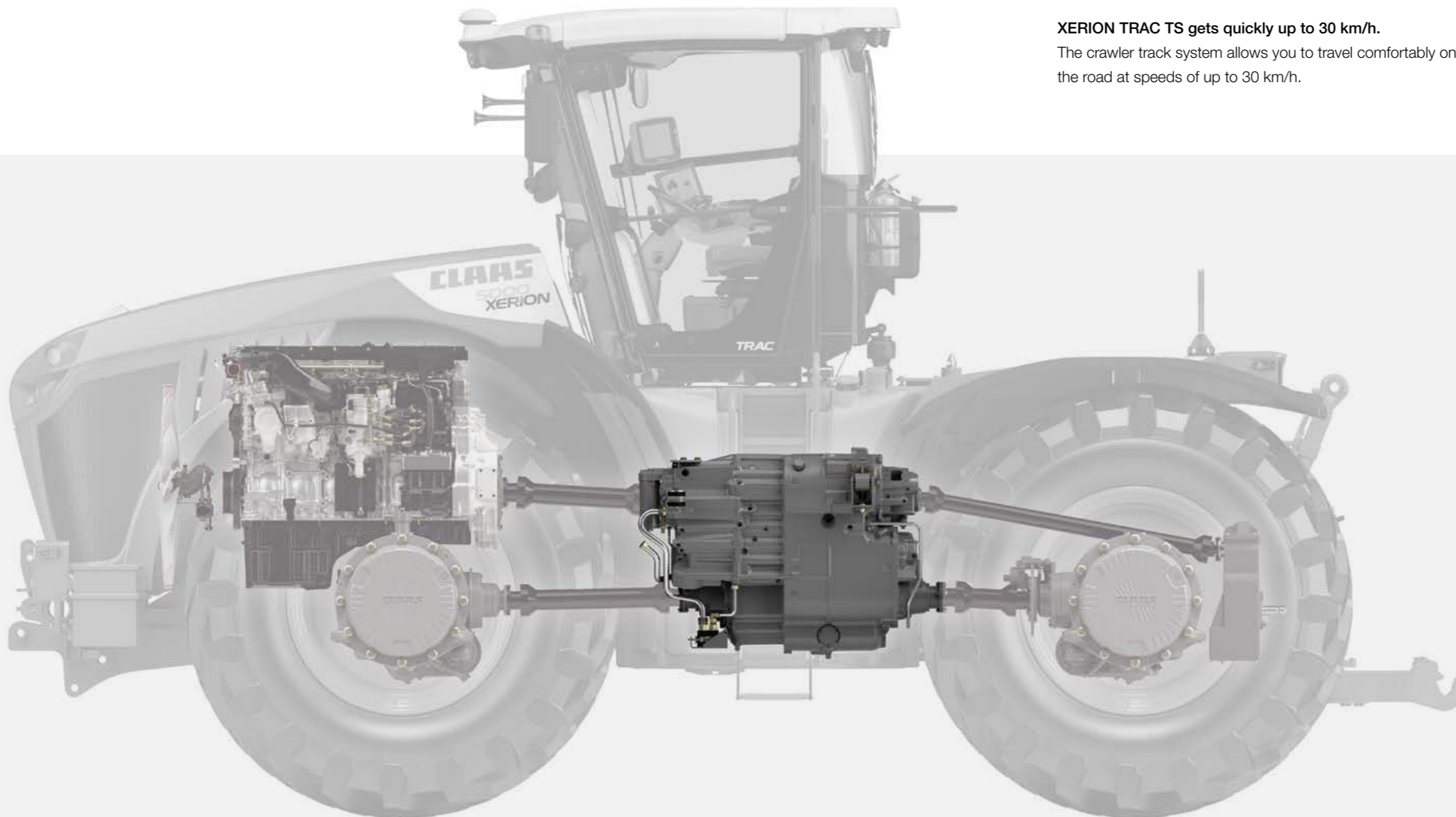
The wheeled version of the XERION can reach speeds of up to 50 km/h depending on the type of transmission. With the cab rotated, you can also travel backwards at up to 50 km/h.

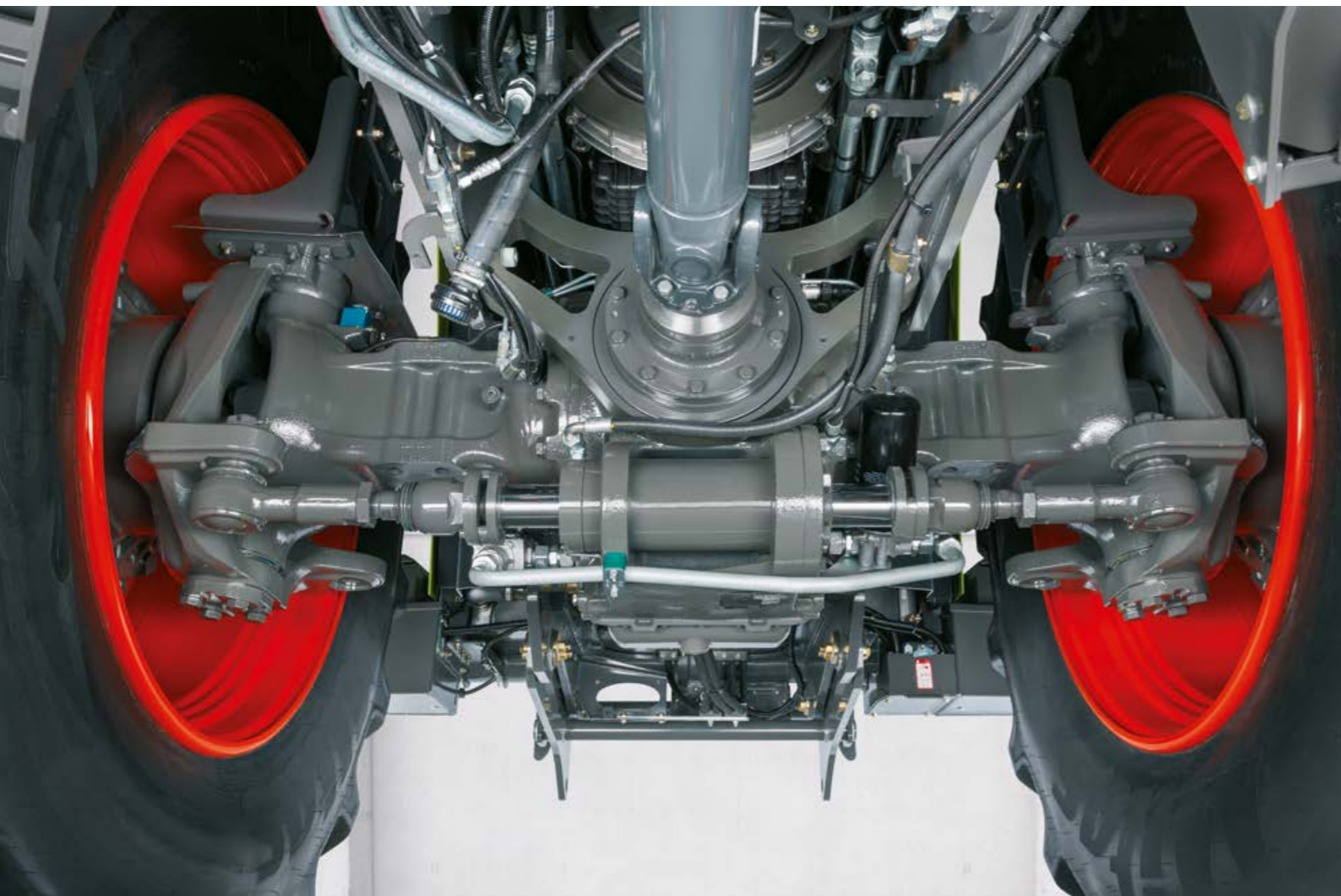
Standing firm.

The XERION slows to a stop as soon as the driver takes their foot off the accelerator. There is no need to apply the brakes – the tractor remains stationary.

Power equals efficiency.

- CMATIC transmission technology for continuously variable driving comfort from 0.05 to 50 km/h
- Linear drivetrain configuration for direct transfer of engine power
- Permanent four-wheel drive
- Four automatically activated driving ranges for high efficiency
- Large contact area for enormous tractive performance
- User-friendly operation via accelerator pedal or multifunction control lever





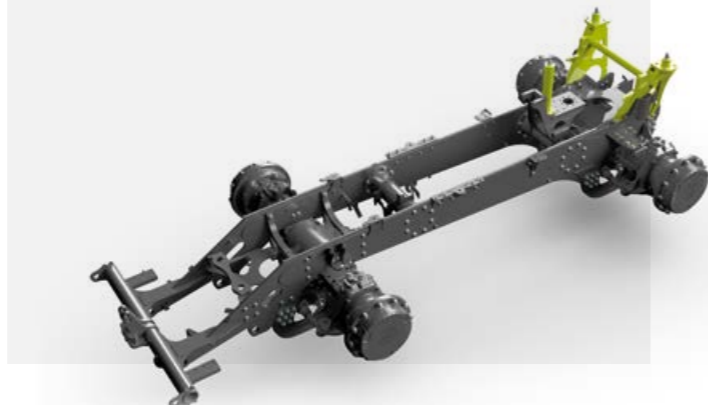
Built for extreme loads.

The XERION is ideal for carrying heavy loads thanks to its unique frame construction. Bolted rather than welded cross-beams in the frame provide greater strength and load-carrying capacity. The heavy-duty axles are designed to carry loads of up to 15 t per axle at speeds of up to 50 km/h. Despite its size and weight, with two steered axles the XERION is remarkably agile and manoeuvrable.

The 110 mm ball hitch for attaching large slurry tankers is located immediately behind the cab. It distributes the load of the attached tanker across both axles, while the long 3.6 m wheelbase provides a high level of driving comfort.

Stability you can count on every day.

- Durable, extremely robust full frame
- Heavy-duty axles with 15 t axle load up to 50 km/h
- Fully integrated linkage with load capacities of up to 8.4 t at the front and 13.6 t at the rear



1

Benefit:
High stability on the road

Main applications:
On-road transport
Field transport (transfer vehicle)

The right steering for even job.

The two steering axles on the XERION can be steered in five different ways, and remain active at the headland.

1 Standard steering program.

- Four-wheel and front-axle steering combined
- From 5° steering lock on the front axle, the rear axle follows the front axle electrohydraulically
- The steering lock is continuously reduced from 12 km/h
- Fully locked at 40 km/h

DYNAMIC STEERING option.

- The number of turns of the steering wheel needed to reach maximum wheel lock is significantly reduced according to the speed.
- More comfortable and dynamic turning at the headland

2

Benefit:
Highly manoeuvrable

Main applications:
Tillage
Drilling

2 Four-wheel steering.

- Rear axle is steered at the same time as the front axle but in the opposite direction
- Axles move simultaneously

3

Benefit:
Drift correction keeps tractor on track

Main application:
Tillage and drilling on a slope

3 Single-sided crab steering.

- Rear axle controlled separately via the CMOTION multifunction control lever

4 Gentle mode (reduced crab steering).

- Rear axle moves along a parallel track to front axle
- 75% of steering lock can be used
- Steering corrected up to 4° by the steering wheel via the front axle

4

Benefit:
Protects the soil (no double rolling action)

Main application:
Slurry spreading

5 Full crab steering.

- Rear axle moves along a parallel track to front axle
- Rear axle steered once via the CMOTION multi-function control lever
- Minor steering corrections possible

5

Benefit:
Maximum utilisation of contact surface

Main application:
Silage clamp work



Three power transmission options.

With the XERION you have three options for transferring its four-wheel drive power to the ground: a crawler track system that is gentle on the soil, four equal-sized wheels, or dual tyres that double up the contact area.

1 Four steered triangular tracks.

- A total footprint of approx. 4.7 m² (up to 25% more than a wheeled version with four tyres) maximises traction and reduces slippage
- Good tractive performance on pressure-sensitive soils
- Excellent soil protection and good ground-contour tracking
- On-road speed of up to 30 km/h and no more than 3.0 m wide



2 Four equal-sized wheels.

- With a diameter of 2.16 m
- Comfortable road travel at up to 40 or 50 km/h
- Footprint approx. 3.7 m² with 900/60 R 42 tyres and 1 bar internal tyre pressure
- Optional tyre pressure control system controlled via the CEBIS on-board information system
- No more than 3.0 m wide with 710/70 R 42 tyres



3 Dual tyres.

- Dual tyres for a high level of soil protection
- Suitable for tyre dimensions 650/85 R 38, 710/70 R 42 and 710/75 R 42
- Rims on outer wheels are firmly bolted to the inner rims with spacer rings
- Split spacer rings allow for rapid removal of the outer wheels for road travel (< 3.0 m)

Get the ballasting right for optimum efficiency.

Fuel-efficient ballasting.

Tractors all too often carry too much weight. But over-ballasting does not boost tractive performance – it simply increases fuel consumption. With the XERION it's easy to adjust the ballasting precisely to suit the task. The 400 kg ballast plates can be quickly changed and secured with quick-release fasteners.

Front ballast.

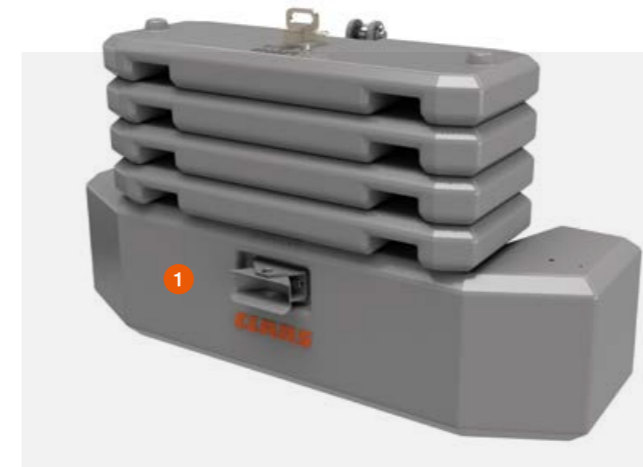
You can add 3,400 kg of ballast to the front of the XERION. The base weight weighs 1,800 kg and can take up to four additional 400 kg plates. It is available in two versions: one that can be attached to the front linkage and one that is fixed permanently in place.

Rear ballast.

The rear of the XERION can also be ballasted with 3,400 kg. A 200 kg fixed base plate can accommodate eight additional plates each weighing 400 kg. These can be quickly added or removed with a telehandler, wheel or front loader.

Three ballasting tips.

- 1 As much as necessary, as little as possible
- 2 In the field, the need for ballasting decreases as the ground speed increases
- 3 During field work, tyre slip should average more than 6%, otherwise the tractor is carrying too much ballast



Variable front-mounted ballasting.



Rear ballasting up to 3,400 kg.

- 1 Base weight for the front linkage
- 2 Fixed base weight
- 3 400 kg modular plate
- 4 Baseplate behind the cab

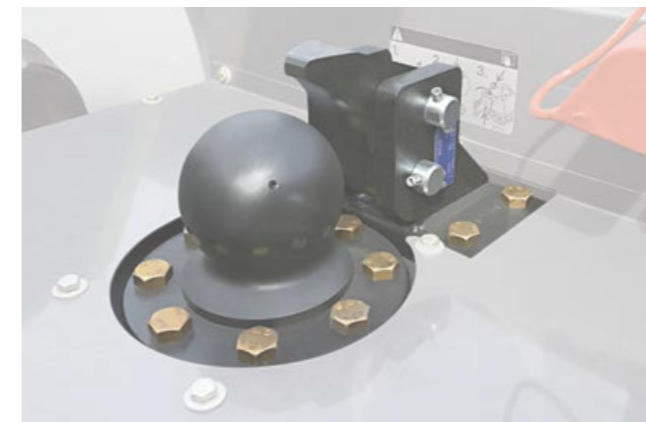


Max. ground speed under full load	Max. permitted vehicle weight (incl. drawbar load of attachment in t.)
8 km/h	24 t
10 km/h	22.5 t
12 km/h	18.5 t

It's a good idea to estimate in advance the speed at which you plan to work with the attached implement. For example, if you ballast for a speed of 8 km/h and then work at 12 km/h, you're carrying almost 6 t of excess ballast. This has a noticeable effect on fuel consumption.

The right weight for every application.

- Add up to 3,400 kg of ballast at the front and the rear
- Weights are easy to add and remove
- All plates are held securely in place with a quick-release mechanism
- Get the ballast right and save fuel



Swan neck.

The swan neck coupling with its 110 mm hitch ball is designed to take a drawbar load of up to 15 t, which it distributes evenly across both axes. This type of hitch gives a smaller turning radius and a much shorter combination length than a tractor with a rear-mounted slurry tanker, for example.

Different drawbar hitches.

With drawbar hitches you have a choice of an 80 mm hitch ball or 38 and 50 mm diameter pin. With three holes, you can vary the position of the attachment point. So whatever the application, you can always maintain the right distance from the rear axle.

Hitch points and PTO for heavy loads.

With the XERION you can choose from a range of hitching options. Whether swan neck attachment, drawbar or trailer coupling, all systems are designed for high load-carrying capacity.

When the PTO is running at 1,000 rpm, the XERION develops its output at a reduced engine speed of 1,730 rpm. Thanks to the simple drive train design, much of the rated output is transferred to the PTO stub. This enables you to reduce your fuel consumption even when the XERION makes the full PTO output available.

Rest assured.

- All hitching systems are designed for high load-carrying capacity
- The swan neck hitch can take a drawbar load of up to 15 t
- The PTO provides full power even at reduced engine speed
- The PTO stubs can be replaced quickly and easily
- You have a choice of different drawbars with:
 - a 40 or 50 mm diameter locking pin
 - an 80 mm hitch ball
 - a Piton-Fix coupling



High drawbar loads.

The XERION can take on any challenge. The Category V heavy-duty hitch takes a drawbar load up to 5 t.

- D50 pins (Ø 50 mm)
- D70 pins (Ø 70 mm)

Quick-change PTO stubs.

The PTO stubs can be replaced quickly and securely. Choose from the following sizes:

- 1 3/4", 6 splines
- 1 3/4", 20 splines
- 2 1/4", 22 splines (Ø 57.7 mm)

Untap its full potential.

High performance at low engine speed.

The XERION is equipped with two load-sensing hydraulic circuits which can supply even large hydraulic consumers effortlessly and powerfully. They are controlled by separate electronic spool valves or via the convenient CMOTION multifunction control level. You can assign all ten function buttons to individual hydraulic functions.

1 Main circuit.

Performance figures for the main circuit for the spool valves and linkages:

- 200 bar operating pressure
- 195 l/min max. supply volume
- 105 l/min max. flow rate per spool valve
- 58 kW max. hydraulic output
- 120 l tank capacity

2 Secondary circuit.

For oil cooling, steering and brakes

3 Third circuit (optional).

The optional power hydraulics provide a separate circuit for additional high hydraulic demands, for example when using a slurry tanker. The hydraulic pump for this third circuit is mounted directly on the engine in the SADDLE TRAC and separately on the transmission in the TRAC / TRAC TS and TRAC VC.

- 260 bar operating pressure
- 250 l/min max. supply volume
- 90 kW max. hydraulic output
- Easy operation via toggle switch or directly using the CEBIS terminal



Power Beyond at front and rear.

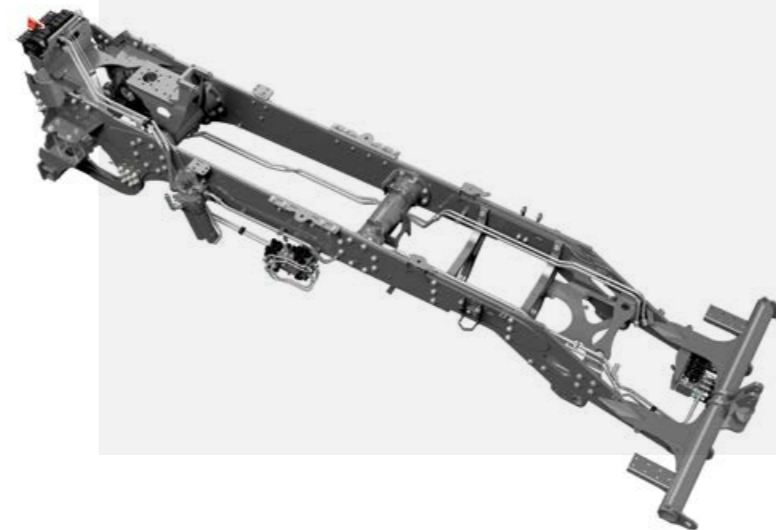
Power Beyond connections with large-diameter lines, flat-seal hydraulic couplings and hydraulic return line provide a high oil delivery rate with low losses.

The XERION has three double-acting spool valves at the front (max. two spool valves if a front linkage is installed). Seven further double-acting spool valves are available at the rear. With quick-release couplings, you can connect and disconnect them rapidly without risk of oil leaks.

Enough pressure.

- Three hydraulic circuits supply your attached or mounted implements reliably and powerfully

- Up to ten double-acting spool valves available at the front and rear
- Strong power hydraulics perform convincingly even at low engine speeds
- Power Beyond connections with large-diameter lines maximise flow
- Conveniently controlled via the CMOTION multifunction control lever





Power enough for any job.

With an enormous continuous lift capacity of 8.1 t at the front and 10 t at the rear, the XERION handles even very heavy implements effortlessly.

With the CMOTION multifunction control lever you can control the front and rear linkage easily with your thumb without having to move your hand. This high level of operating comfort means that on long working days you can work quickly and accurately without tiring.

Equipped for any challenge.

- Continuous 8.1 t lift capacity at the front and 10 t at the rear
- Vibration damping for safe and comfortable working
- Reinforced front linkage for silage clamp work
- Pivoting rear linkage for the SADDLE TRAC (optional)
- Convenient control via the CMOTION multifunction control lever



8.1 t lift capacity at the front.

The sturdy front linkage (1) is fully integrated into the frame. The lower links fold in easily to reduce the vehicle length.

- Double-acting ram with continuous 8.1 t lift capacity
- Quick and easy to attach front weights



When using the SADDLE TRAC in the silage clamp, you can fit a reinforced front linkage (2) which can accommodate a dozer blade up to 4.0 m wide. Shear bolts protect the linkage from damage.



10 t lift capacity at the rear.

The rear linkage (3) is equipped with vibration damping and category IV N hooks. For the top attachment point on the 3-point hitch at the rear, you can choose from a mechanical or hydraulic top link.

- Double-acting ram with continuous 10 t lift capacity
- Hydraulic side stabilisers with a high level of operator comfort
- Mechanical side stabilisers or internal reinforcement
- Robust ball ends for extended periods working with the same implement (optional)



A pivoting rear linkage (4) is available for the SADDLE TRAC. This allows you to use a low-compaction offset mode, for example when spreading slurry on sensitive grassland areas.

You've got a long day's work ahead.

So make yourself at home.

The more comfortable you feel at the wheel, the more productive you will be at work. That's something all drivers agree on. For the new XERION, we have taken on board many suggestions from professionals; more comfortable swivel seats, heated windows all the way round, intelligent assistance systems and a new arm-rest with integrated CEBIS touchscreen and ergonomic CMOTION multifunction control lever.





The TRAC VC has the most convenient reverse-drive system on the market. Its cab can be rotated through 180° in less than 30 seconds.



With 22 work lights, the XERION turns night into day. A premium LED lighting package is available on request.

Comfortable, clearly laid out and quiet.

We have designed the XERION cab so there is nothing to distract you. Virtually no vibrations, exceptional all-round visibility, pleasantly low noise levels. Use the CMOTION multifunction control lever and the new armrest with integrated CEBIS touchscreen to control the tractor intuitively with just three fingers.

The new XERION comfort cab.

- Generously sized cab
- Large, heated windows for a perfect all-round view
- Outstanding sound proofing (only 69 dB max.)
- Intelligent semi-active cab suspension
- Rotating cab provides the most convenient reverse-drive system on the market (TRAC VC)
- Intuitive CMOTION multifunction control lever
- 12" CEBIS monitor with touchscreen
- 3-way adjustable steering column

- Air conditioning and auxiliary heating
- 360 degree windscreen wiper on the front windscreen
- Sun blinds on all four sides (optional)
- Lights activated from the steps

Three new features to make your job easier.

- Comfortable swivel seat – with optional leather cover
- Heated windows for good visibility whatever the weather
- Armrest with integrated CEBIS touchscreen for efficient operation

The XERION – outstanding ergonomics.

We've listened to our drivers.

We worked with our customers and drivers to develop the control concept specifically for large CLAAS tractors. The new height-adjustable armrest is designed to keep the driver's arm and hand in a relaxed position without tiring. It also incorporates the easy-to-navigate 12" CEBIS touchscreen which allows you to switch between main and sub-menus with ease. The clearly arranged control and function buttons are labelled with self-explanatory symbols.

Three-finger operation.

The CMOTION multifunction control lever allows you to control complex processes with up to four control functions intuitively using only your thumb, index and middle finger – without moving your hand from its ergonomic position on the lever.



Developed by drivers for drivers.

- Control concept for efficient, fatigue-free work.
- Height-adjustable armrest with integrated CEBIS terminal with 12" touchscreen
- CMOTION multifunction control lever for intuitive control of the machine
- Clearly laid out controls with self-explanatory symbols

CMOTION makes light work of complex operations

- A Start up / change direction
- B Rear linkage
- C Activate GPS PILOT
- D CSM headland management
- E F7 / F8 / F9 / F10 function buttons
- F Activate cruise control
- G F1 / F2 function buttons
- H F5 / F6 function buttons

The control panel is clearly arranged.

- 1 CEBIS terminal with 12" touchscreen
- 2 Front linkage operating position
- 3 Rear linkage operating position
- 4 Parking brake
- 5 Reversible fan >1,300 rpm
- 6 Differential lock
- 7 Central position for pivoting linkage
- 8 Control of hydraulic low link stabilisers (optional)
- 9 Rear PTO on / off
- 10 Main switch power hydraulics
- 11 Power hydraulics on / off
- 12 Electronic spool valves
- 13 Hand throttle
- 14 ELECTROPILOT with two double-acting spool valves and two assignable F buttons
- 15 Unlock ELECTROPILOT
- 16 Engine speed memory
- 17 Engine speed memory settings
- 18 Select speed range
- 19 Driving mode

Everything under control with CEBIS.

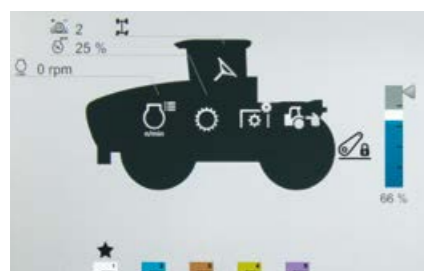


Fast operation with direct access.

CEBIS uses self-explanatory symbols and colour coding to give a clear picture of the settings and operating statuses. Thanks to the clear CEBIS menu structure and touchscreen, all settings can be entered in just a few steps. A particularly attractive feature is the DIRECT ACCESS function with the machine silhouette.

Eye-catching 12" screen.

- 1 Machine silhouette for DIRECT ACCESS and status display
- 2 Spool valve status
- 3 Vehicle information
- 4 Top sub-field: transmission information
- 5 Middle sub-field: performance monitor
- 6 Bottom sub-field: function button assignment
- 7 Menu
- 8 DIRECT ACCESS via CEBIS touch button or button on the armrest
- 9 Dialogue-based system for optimum settings



Machine silhouette for DIRECT ACCESS



CEBIS screen layout for road travel



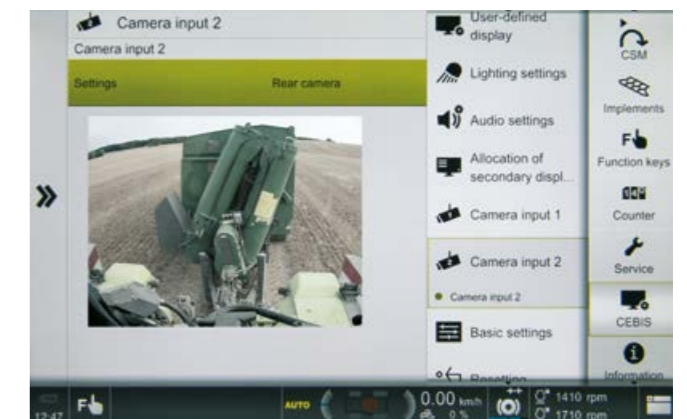
Additional keypad in the armrest.

Many drivers prefer to use buttons, e.g. when bumpy ground reduces the accuracy of touchscreen operation. That's why we have incorporated a keypad into the armrest. With the rotary/push switch and ESC button you can safely navigate the entire CEBIS menu. The DIRECT ACCESS button takes you straight to the settings for the last used tractor function.

- 1 Menu navigation
- 2 Select
- 3 ESC button
- 4 DIRECT ACCESS button

All machine functions at a glance.

- Fast and intuitive navigation using the CEBIS touchscreen
- Rapid access to the sub-menus with the DIRECT ACCESS touch button on CEBIS or button on the armrest
- Reliable navigation on uneven ground via rotary/push switch and ESC button on the armrest
- Two different screen layouts available (road travel and field work)
- ISOBUS function
- User type can be specified to extend the scope of CEBIS settings to suit driver experience
- Engine oil level displayed in CEBIS



High-resolution camera image.

When you are working or manoeuvring to the nearest centimetre, a camera can be very useful. In the main CEBIS field you can toggle between machine silhouette, camera 1 and camera 2 with the tip of one finger. Up to two camera images are displayed in the sub-field.



Operator assistance systems.

There is no substitute for your experience. It's what allows you to respond quickly and appropriately to the challenges you face in your daily work. When you're dealing with difficult terrain or changing soil conditions, you have to make decisions very quickly to get the job done to the right standard. So it's good to know you can count on an intelligent tractor to assist you.

Data management.

Data have long since become an indispensable resource. To profit from their full potential, you should always keep a close eye on the results and know how to make use of them effectively. And that includes making sure all systems, machines and processes are meaningfully connected.

Perfect turning manoeuvres in next to no time.

CLAAS SEQUENCE MANAGEMENT (CSM).

CSM headland management takes the load off the driver when manoeuvring at the headland. Any previously recorded functions can be run simply by pressing a button.

The following functions can be combined in any order:

- Spool valves with time and flow control
- Four-wheel drive, differential lock and front axle suspension
- Front and rear linkage
- Cruise control
- Front and rear PTO
- Engine speed memory

Easy to record and run.

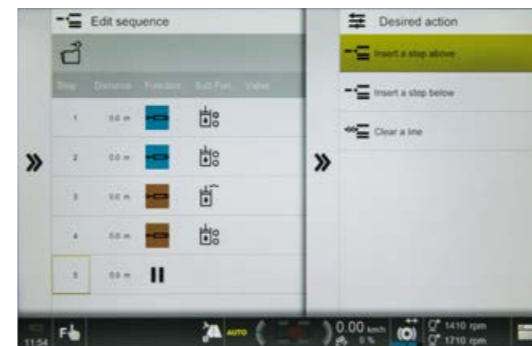
Sequences can be recorded on a distance- or time-related basis. In recording mode, clear symbols guide the driver step-by-step through the process of creating the sequence on the CEBIS or CIS colour display. A sequence that is running can be paused and restarted simply by pressing a button.

Non-stop optimisation with CEBIS.

Recorded sequences can be changed and optimised in CEBIS at a later date. Steps can be added and deleted or changed and adapted in minute detail, allowing times, distances and flow volumes to be tailored to current conditions. Once a sequence has been recorded, it can be refined down to the last detail in just a few steps.



Set the parameters in the CSM overview. You can assign the function keys on the control lever as required.



It's easy to program the individual steps in the sequence



You can enter up to four sequences for four different implements or jobs



A tap is all it takes to start recording the sequence



Activate the sequence using the F buttons on the CMOTION control lever

Take it easy at the headland.

- CSM performs the turning manoeuvre for you
- You can record, vary, optimise and automatically run up to four sequences



1



The S10 terminal (1) is extremely versatile. You can operate the steering system while at the same time controlling ISOBUS implements and connecting up to four analogue cameras.

2



The basic S7 terminal (2) has all the latest technology and is the right choice if you just want to use your terminal to control a parallel guidance or automatic steering system.

Terminals optimise efficiency.

Our S10 and S7 terminals provide you with flexible solutions for using ISOBUS and steering systems. The terminals are self-explanatory with a simple, logical layout designed for ease of use. You can move them from the XERION to another tractor or a self-propelled harvester, depending on the season or job in hand.

Intelligent machines reduce the driver's workload.

- High-resolution S10 and S7 terminals for ISOBUS and steering systems
- Precise, efficient working in all operating conditions

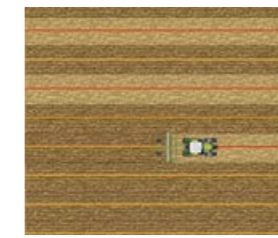
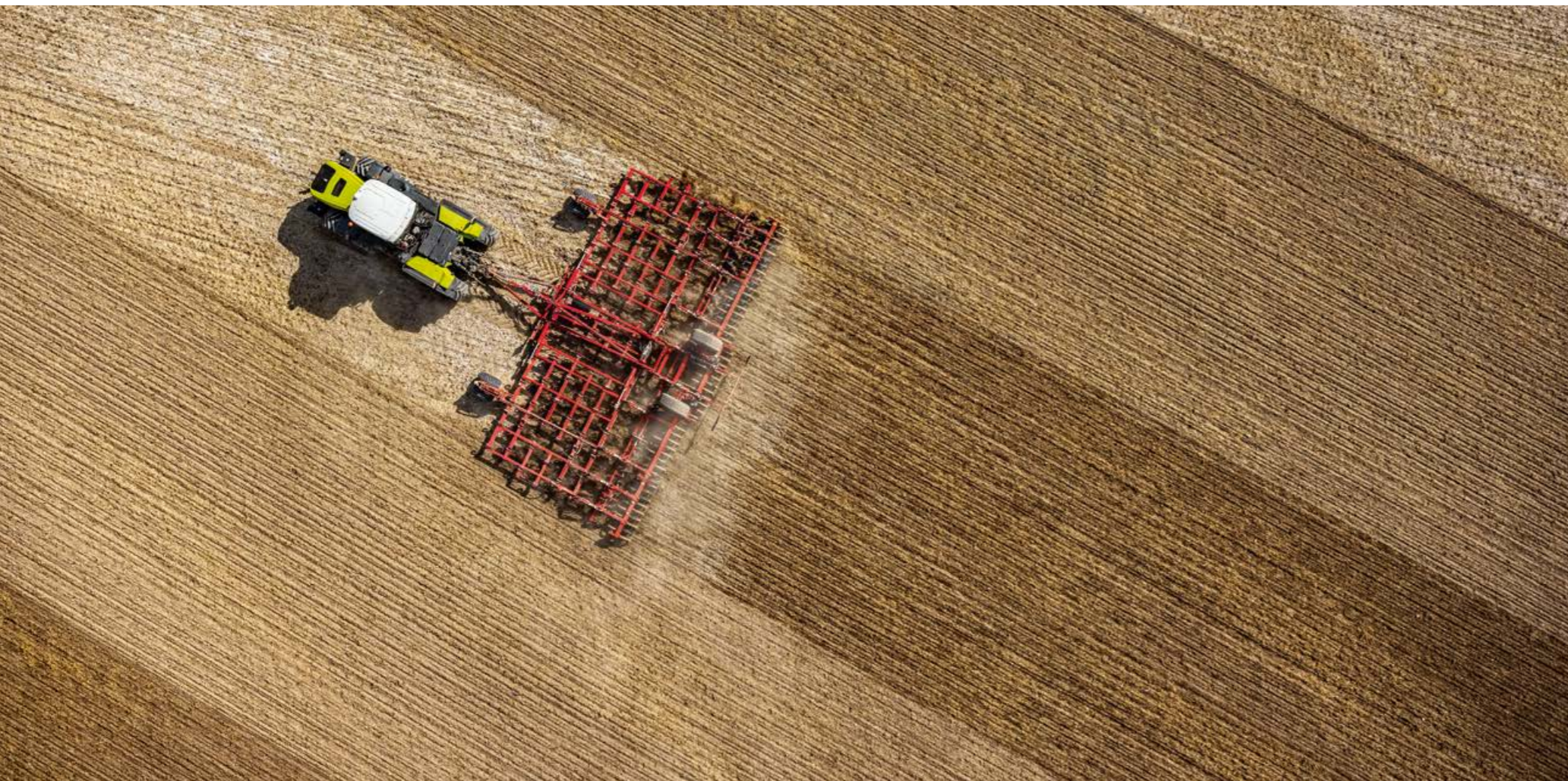
S10 for ISOBUS and steering systems (1).

- High-resolution, 10.4" colour touchscreen
- GPS steering system and ISOBUS-terminal with ISO-UT, TC-GEO / TC-BAS
- Reference line management
- SECTION VIEW section display
- AUTOTURN automatic turning at the headland
- TURN IN line-up assistant

S7 for steering systems (2).

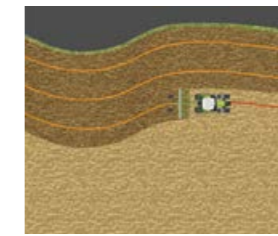
- High-resolution 7" colour touchscreen
- GPS terminal with steering functions
- Reference line management
- AUTOTURN automatic turning at the headland
- TURN IN line-up assistant
- SECTION VIEW section display (optional)

Always on the right track. CLAAS steering systems.



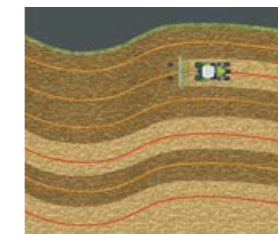
RTK NET (accuracy $\pm 2-3$ cm)

- Correction signal via mobile phone network
- Unrestricted working radius



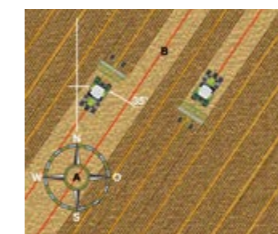
RTK FARM BASE LINK (accuracy $\pm 2-3$ cm)

- Base station
- Station data transmitted via mobile phone network (NTRIP)
- Operating radius 30 km



RTK FARM BASE (accuracy $\pm 2-3$ cm)

- Base station with digital and analog radio can be used
- Range up to 15 km



RTK FIELD BASE (accuracy $\pm 2-3$ cm)

- Mobile reference station
- Range 3-5 km

SATCOR

- Satellite-based correction signal from CLAAS
- Virtually worldwide coverage

SATCOR 15 (accuracy ± 15 cm)

- Improved basic accuracy
- Quick signal availability
- Good signal suitable for many applications from soil cultivation to harvesting

SATCOR 5 (accuracy ± 5 cm)

- Ideal in areas where RTK and mobile phone coverage is patchy
- Longer initialisation period than SATCOR 15 but more accurate

EGNOS / E-DIF (accuracy ± 30 cm)

- No licence fee
- Basic accuracy

Improve the quality of your work.

CLAAS steering systems take the pressure off the driver. They show in advance which direction to take, or automatically steer the tractor along the best possible path. Mistakes and overlapping are eliminated. Studies have shown that a modern parallel guidance system can save up to 7% on fuel, machine costs, fertiliser and crop protection products.

The GPS PILOT automatic steering system is controlled by the S10 and S7 touchscreen terminals (see pages 46 / 47) which feature a very simple and user-friendly menu-guided interface.

Automatic steering at the headland.

The AUTO TURN function takes care of turning manoeuvres at the headland. The driver preselects the direction of the turn and the next track to be worked on the terminal. The steering system does the rest.

Correction signal to meet individual needs.

We have designed our range so that you can extend your system easily at any time. This applies just as much to the terminal technology as to the use of today's essential correction signals.

CLAAS steering systems can be used with GPS and GLONASS satellite systems to enhance their flexibility and operational capabilities.



With AUTO TURN the tractor turns automatically at the headland



Cutting your costs per hectare with more precision.
steeringsystems.claas.com

Farm management with CLAAS TELEMATICS.

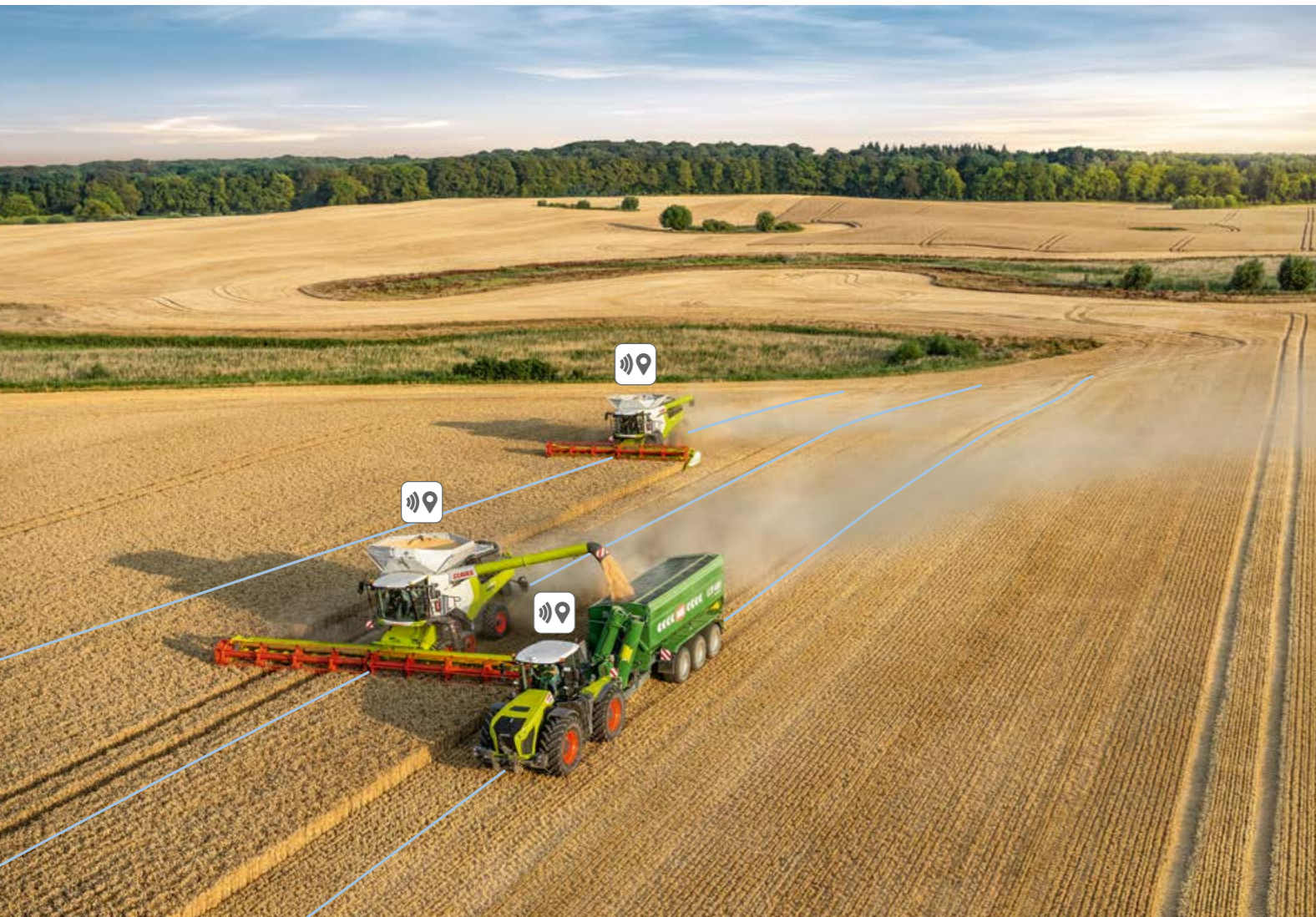
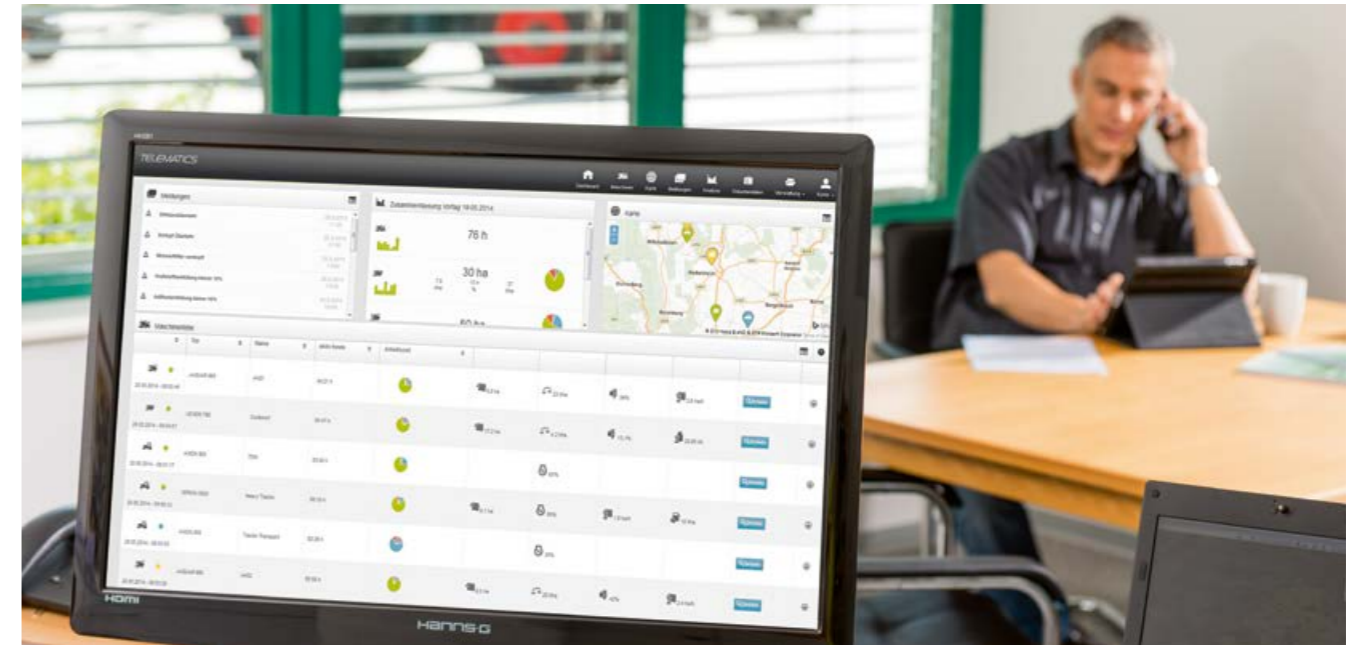
TELEMATICS allows you to call up any information about your XERION at any time from any location. The data collected are sent to the TELEMATICS web server at regular intervals via the mobile phone network.

This brings you all kinds of benefits. You can optimise machine settings with remote monitoring, use remote diagnostics to cut down on service time, improve your work processes with operating time analysis and use data collection to simplify documentation.

With GPS positioning you can pinpoint the location of the XERION in the field or on the road. Even when you're on the move, you – or an authorised service partner – can access all the necessary information via a mobile connection and evaluate it via remote diagnostics.

Data management with TONI.

TONI (TELEMATICS ON IMPLEMENT) enables you to use data from ISOBUS-controlled implements in addition to the tractor data.



Implement management with CEBIS.

In CEBIS you can record details for 20 attached implements and assign preset values to them. Settings can be transferred from one tractor to another via USB stick.

- Settings for transmission and spool valves
- Activate area calculation
- Working width of attached implement
- Four CSM sequences

Field management with CEBIS.

Up to 20 jobs can be saved and documented in CEBIS. Just enter the working width, then start the area calculation and fuel consumption display per hectare.

Make the most of its innate intelligence.

- Access your machine data wherever you are with TELEMATICS and TONI
- Document finished work easily in CEBIS
- Store setting for 20 implements in CEBIS
- Record, process, and document multi-manufacturer machine data with DataConnect

DataConnect: the first direct cloud-to-cloud solution for agricultural machinery.

Up to now, farmers with mixed machinery fleets could only record, process and document their data using the machines and web portals of the individual manufacturers. With DataConnect, CLAAS, 365FarmNet, John Deere, Case, Steyr and New Holland have created the first direct multi-manufacturer, industry-wide open cloud-to-cloud solution. The machines transmit their data via an interface, allowing you to control and monitor your entire machinery fleet in the CLAAS TELEMATICS portal.



Connect your machines. Optimise your jobs.
connected-machines.claas.com

Cut your maintenance costs by 38%.

1,000 hour engine service interval.

When we develop a new machine, we don't just talk to the drivers. We also consult the filter and oil manufacturers. With their help we have managed to double the engine service interval to 1,000 hours. So your tractor spends 50% less time in the workshop and you cut your servicing costs by up to 38%¹.

¹ Over a five-year period based on 1,000 operating hours per year





One-piece bonnet.

The one-piece bonnet provides rapid access to all maintenance points. Four easily removable side panels provide additional access.

Easy access.

The engine oil filter is positioned within the full frame for easy access. You can access the coolant reservoir when the bonnet is closed. The batteries are safely installed at the front.

Double the maintenance interval.

We have raised the bar: the XERION need only go to the workshop for engine servicing once every 1,000 hours. Doubling the servicing interval results in cost savings of up to 7,850 euros.

A XERION is economical.

The machine does whatever it can to minimise downtimes. The engine needs servicing just every 1,000 hours. And CEBIS tells you when.

Simple radiator cleaning.

When maintenance does become due, it can be carried out quickly and effortlessly. The engine oil filter and cab air filter are very accessible. The radiator assembly can easily be opened and cleaned by the driver as required.

What's more, at the press of a button the driver can reverse the direction of the fan from the cab to blow dust and dirt away from the radiators in seconds.

Clean engine intake air.

The XERION has an efficient system for precleaning the engine intake air. Cyclones separate out the coarse dirt which is then removed by the exhaust system. The PowerCore® engine air intake filter is extremely robust with high filtration performance.

Maintenance maintains the value.

- New 1,000 hour engine service interval
- One-piece bonnet for rapid access to all maintenance points
- Coolant reservoir can be accessed when the bonnet is closed
- PowerCore® filter for cleaning the engine intake air
- Batteries safely protected

Service	Maintenance interval	Cost savings in EUR SADDLE TRAC
2	h 1000	1570
3	h 2000	3140
4	h 3000	4710
5	h 4000	6280
6	h 5000	7850

Whatever it takes. CLAAS Service & Parts.



Safeguard your machine's reliability.

Increase your operating reliability, minimise the risk of breakdown and repair. MAXI CARE offers you predictable costs. Create your own individual service package to meet your particular requirements.



CLAAS Service & Parts
is there for you 24/7.
service.claas.com



Specially matched to your machine.

Precision-manufactured parts, high-quality consumables and useful accessories. Choose our comprehensive product range to be certain of receiving exactly the right solution to ensure 100% operating reliability for your machine.



For your business: CLAAS FARM PARTS.

CLAAS FARM PARTS offers one of the most comprehensive ranges of multi-brand parts and accessories for all agricultural applications on your farm.



Global supply.

The CLAAS Parts Logistics Center in Hamm, Germany, stocks almost 200,000 different parts and has a warehouse area of over 140,000 m². This central spare parts warehouse delivers all ORIGINAL parts quickly and reliably all over the world. This means that your local CLAAS partner can supply the right solution for your harvest or your business within a very short time.



Your local CLAAS distributor.

Wherever you are, you can count on us to always provide you with the service and the contact persons you need. Your CLAAS partners are on hand in your local area, ready to support you and your machine around the clock. With know-how, experience, commitment and the best technical equipment. Whatever it takes.

The new XERION: built to impress.



The new generation.

- More performance: the entry-level XERION 4200 now delivers 462 hp and the XERION 5000 530 hp
- More soil protection: the TRAC TS with crawler track system has a 25% larger footprint than the wheeled version
- More comfort: the CEBIS touchscreen is built into the specially developed armrest
- More time in the field: the new 1,000 hour maintenance interval cuts servicing costs by up to 38%

Proven design concept.

- Four equal-sized wheels, dual tyres or crawler tracks convert engine power to tractive power
- Full-frame construction can carry enormous loads of up to 15 t per axles at 50 km/h
- Two steered axles offer five steering modes for a wide range of applications
- CMATIC continuously variable transmission helps to save fuel

Powerful drive.

- Powerful 6-cylinder engines are combined with a simple drive train
- Enormous torque is available even in lower engine speed ranges
- The low-speed concept reduces the idling speed from 800 to 730 rpm and to maximum 1,700 rpm during heavy draught work
- All engines have SCR technology, particulate filters and diesel oxidation catalyst in compliance with Stage V

Unrivalled comfort.

- The spacious cab offers excellent all-round visibility and sound proofing
- The rotating cab in the TRAC VC is the most convenient reverse-drive system on the market
- The CMOTION multifunction control lever and CEBIS 12" touchscreen are designed for intuitive operation
- GPS steering system and the CLAAS satellite-based correction signal SATCOR reduce the driver's workload

XERION		5000 TRAC / TRAC TS / TRAC VC	4500 TRAC / TRAC TS / TRAC VC	4200 TRAC / TRAC VC / SADDLE TRAC
Engine				
Manufacturer		Mercedes-Benz	Mercedes-Benz	Mercedes-Benz
Number of cylinders		6	6	6
Cubic capacity	cm ³	12800	12800	10700
Nominal engine speed	rpm	1900	1900	1900
Lower engine idling speed (gear in neutral)	rpm	730	730	730
Upper engine idling speed	rpm	1920	1920	1920
Output at nominal engine speed (ECE R 120) ¹	kW/hp	374/509	353/480	337/458
Max. output (ECE R 120) ¹	kW/hp	390/530	360/490	340/462
Max. torque (ECE R 120) ¹	Nm	2600	2400	2200
Fuel tank	l	740	740	740
Auxiliary tank (190 l)		●	●	○
Urea tank	l	88	88	88

Electrical system				
AC generator	A/V	100 A / 24 V + 240 A / 12 V	100 A / 24 V + 240 A / 12 V	100 A / 24 V + 240 A / 12 V
Batteries	Ah/V	4 x 75 Ah, total 150/24, 150/12	4 x 75 Ah, total 150/24, 150/12	4 x 75 Ah, total 150/24, 150/12

CMATIC transmission				
Transmission		CMATIC	CMATIC	CMATIC
Transmission type		Hydrostatic-mechanical, split-power		
Output		Four-wheel drive, permanent	Four-wheel drive, permanent	Four-wheel drive, permanent
Max. speed	km/h	50/40/30 (TRAC TS)/25	50/40/30 (TRAC TS)/25	50/40/25
Longitudinal differential		Eccom 4.5: 100% lockable, lamella construction		
		Eccom 5.0: rigid (without longitudinal differential)		
PTO speed	rpm	1000	1000	1000
Automatic PTO engagement / disengagement		●	●	●

Powered steering axles				
Differential locks		100% lockable, electrohydraulic actuation, lamella construction, with automatic function		

Brakes				
Service brake		Hydraulically actuated wet multi-disc brakes, auxiliary-power-reinforced, acting on all wheels		
Parking brake		Electrohydraulically released spring-loaded brake		

Hydraulics				
Max. hydraulic tank capacity	l	120	120	120
Max. drawable volume	l	80	80	80

Main circuit (linkage, auxiliary spool valves)				
Max. operating pressure	Mpa (bar)	20 (200)	20 (200)	20 (200)
Max. flow rate	l/min	195	195	195
Number of spool valves		Max. 7 rear, max. 3 front	Max. 7 rear, max. 3 front	Max. 7 rear, max. 3 front
Max. flow rate per spool valve	l/min	105	105	105
Max. hydraulic output, total	kW	58	58	58

Power hydraulics (optional)				
Operating pressure	Mpa (bar)	26 (260)	26 (260)	26 (260)
Max. flow rate	l/min	250 at 1650 rpm	250 at 1650 rpm	250 at 1650 rpm
				SADDLE TRAC: 250 at 1480 rpm
Max. hydraulic output, total	kW	90	90	90

Auxiliary hydraulics (optional)				
Operating pressure	Mpa (bar)	20 (200)	20 (200)	20 (200)
Max. flow rate	l/min	80	80	80

¹ Meets ISO TR 14396

XERION		5000 TRAC / TRAC TS / TRAC VC	4500 TRAC / TRAC TS / TRAC VC	4200 TRAC / TRAC VC / SADDLE TRAC
Hitches				
Automatic hitch, D38 pin, spherical	max. kg	Drawbar load 2500	Drawbar load 2500	Drawbar load 2500
Hitch with hitch ball, ball system 80				
up to 40 km/h	max. kg	Drawbar load 3000	Drawbar load 3000	Drawbar load 3000
up to 50 km/h	max. kg	Drawbar load 2000	Drawbar load 2000	Drawbar load 2000
D40, D50 variable drawbar	max. kg	Drawbar load 3000	Drawbar load 3000	Drawbar load 3000
Drawbar ball system	max. kg	Drawbar load 4000	Drawbar load 4000	Drawbar load 4000
Hitch ball for swanneck hitching	max. kg	Drawbar load 15000	Drawbar load 15000	Drawbar load 15000
Piton Fix	max. kg	Drawbar load 4000	Drawbar load 4000	Drawbar load 4000

Front linkage				
Category	Mpa (bar)	III N, double-acting	III N, double-acting	III N, double-acting
Continuous lift capacity	kg	8100	8100	8100
Max. lift capacity	kg	8400	8400	8400
Max. lifting range	mm	905	905	905
Selectable function		Raise, lower (press)	Raise, lower (press)	Raise, lower (press)
Control function		Position control, vibration damping	Position control, vibration damping	Position control, vibration damping

Rear linkage				
Category		IV N, double-acting	IV N, double-acting	IV N, double-acting
Continuous lift capacity / max. lift capacity / max. lift range	kN / kN / mm	100 / 136 / 763	100 / 136 / 763	100 / 136 / 763
Selectable function		Raise, lower (press)	Raise, lower (press)	Raise, lower (press)
Control function		Position control/draught resistance, vibration damping	Position control/draught resistance, vibration damping	Position control/draught resistance, vibration damping

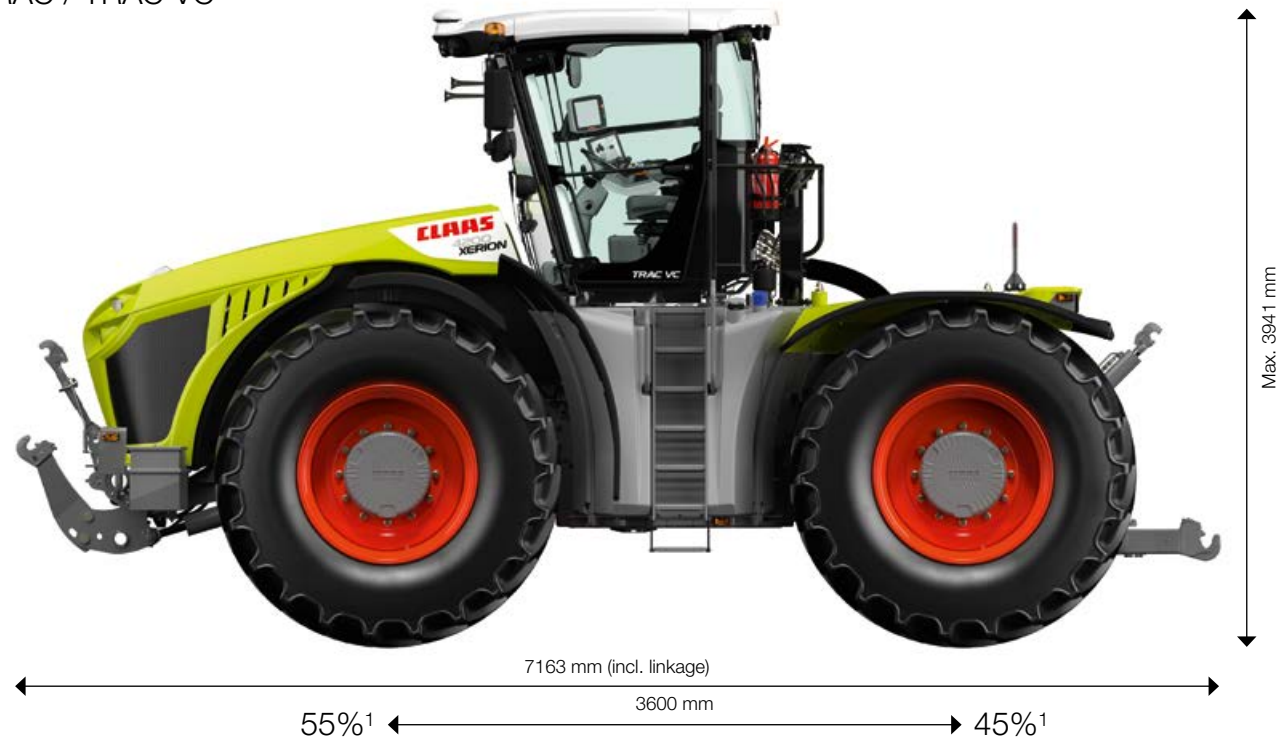
Dimensions and weights for TRAC and TRAC VC				
Overall length including linkages (front retracted, rear horizontal)	mm	7163	7163	7163
Overall height depending on tyres	mm	3791 to 3941	3791 to 3941	3791 to 3941
Wheelbase	mm	3600	3600	3600
Ground clearance depending on equipment	mm	375 to 525	375 to 525	375 to 525
Smallest turning circle	m	15	15	15
TRAC tare weight (with tyres, full tank and standard equipment)	kg	16300	16300	16000

Dimensions and weights for SADDLE TRAC				
Overall length including linkages (front retracted, pivoting rear linkage horizontal)	mm	7884	7884	7884
Overall height depending on tyres	mm	3900	3900	3900
Wheelbase	mm	3600	3600	3600
Ground clearance depending on equipment	mm	–	–	375 to 525
Smallest turning circle	m	–	–	15
SADDLE TRAC tare weight (with tyres, full tank and standard equipment)	kg	–	–	15600

CLAAS continually develops its products to meet customer requirements. 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. All technical specifications relating to engines are based on the European emission regulation standards: Stage. Any reference to the Tier standards in this document is intended solely for information purposes and ease of understanding. It does not imply approval for regions in which emissions are regulated by Tier.

Built to impress.

TRAC / TRAC VC



¹ Long wheelbase and balanced weight distribution for more tractive and lifting power

SADDLE TRAC



¹ Ideal weight distribution of 63:37 for working with heavy loads



Excellent work. Tractors from CLAAS.

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