



Tractors

XERION

5000 4500 4000



Firmly established. XERION.

We believe that size is everything,
provided that it can also do everything.

The XERION large tractor is a perfect example of this,
delivering an impressive engine output of up to 530 hp
which it uses extremely efficiently thanks to a range of
intelligent systems. Four driven, equal-sized wheels
reliably transfer this power to the ground.





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Learn more about how we develop and manufacture CLAAS tractors:

tractors-making-of.claas.com

Large tractors from 232 to 524 hp.
CMATIC.



Made for real work.

CLAAS large tractors are now firmly established on the tractor market. The XERION and the two AXION model ranges offer the perfect solution for any type of hard work.

- Powerful and versatile 6-cylinder engines
- Spacious, comfortable cabs
- Ergonomic control concept

Still unique.

Wherever high work rates, productivity and efficiency are required, the XERION provides the perfect solution.

The XERION is defined by a number of unique features:

- Four equal-sized wheels on two steered axles
- Full frame construction for heavy loads
- Continuously variable drive train delivering over 500 hp
- Intuitive, ergonomic controls



Key benefits. The XERION family.



Four equal-sized wheels on two steered axles.

The most striking feature of all the variants is the four equal-sized tyres on two steered axles. This creates a large contact area with the ground for optimum conversion of tractive force into pulling power. The two steered axles allow steering modes which are tailored to a huge range of applications.

Full frame construction for heavy loads.

The XERION has a full support frame. The engine and transmission are separately mounted on silent blocks to minimise vibration, and the cross beams are bolted for greater stability. The result is very high load-carrying capacities of up to 15 t per axle.

Continuously variable drive train delivering over 500 hp.

The ZF Ecom transmission transfers the impressive output of the Perkins engines to the axles on a continuously variable basis. A high mechanical component in the transmission allows economical, fuel-efficient operation.

Intuitive, ergonomic controls.

The CLAAS operating concept with the CEBIS on-board information system and CMOTION multifunction control lever is unique. Operation is intuitive and the main control functions can be directly activated. The driver's arm and hand remain in a relaxed position on the armrest throughout.

With a fixed cab. The TRAC.

For arable farming.

On the TRAC the cab is fixed in the middle of the vehicle. It has large windows which offer excellent visibility all round the vehicle. Both the front and rear implement areas are in full view.

The TRAC is the perfect model for arable work such as tillage, drilling, field transport and slurry spreading.

Four equal-sized wheels provide excellent tractive power. They are also gentle on the soil. To protect the soil, it is important for loads to be evenly distributed across the two driven axles. Clever ballasting and the 100 mm ball behind the cab for the swanneck hitch distribute loads evenly and guarantee good traction during operation.



With a rotating cab. The TRAC VC.

Wide range of applications.

Some applications require particularly good visibility to the rear of the tractor. A rotating cab is ideal for applications such as:

- Silo work (maize and grass)
- Wood chipping
- Mulching
- Snow blowing

At CLAAS, VC stands for Variable Cab. The rotating cab is the most convenient reverse-drive system imaginable. At the press of a button, the entire cab moves from its central position to the rear-facing position above the rear axle in seconds.

The controls rotate automatically with the cab, so all functions remain the same when operating in the rear position.

For high driving comfort on the road, the cab is centrally positioned between the axles. In the silage clamp, on the field, in the forest or in the mountains, the XERION with the cab rotated over the rear axle becomes a user-friendly self-propelled machine with a unique view of the job in hand.



Optimised drive for outstanding results.

The CLAAS machinery development programme constantly strives to maximise efficiency, improve reliability and optimise cost-effectiveness. CLAAS POWER SYSTEMS (CPS) bring together top-quality components to create a drive system that sets new standards – and always delivers maximum power when it is needed. CPS is ideally matched to the working system, featuring fuel-saving technology that quickly pays for itself.



Performance packaged. The engine.

Full power.

The 6-cylinder in-line engines from Perkins meet emissions standard Stage IIIA (Tier 3). In addition to highly sophisticated technology, they also offer a wealth of impressive benefits:

- High torque even at low engine speeds
- Torque is consistent over a wide engine speed range

High-performance and fuel-efficient.

The 12.5 litre engine with charge-air cooling is known to be robust and is easily accessible thanks to the one-piece bonnet.



| | | XERION 5000 | XERION 4500 | XERION 4000 |
|--------------------------|-------|-------------|-------------|-------------|
| Cylinders | | 6 | 6 | 6 |
| Cubic capacity | l | 12.5 | 12.5 | 12.5 |
| Nominal engine speed | rpm | 2000 | 2000 | 2000 |
| Rated output (ECE R 120) | kW/hp | 358/487 | 330/449 | 295/401 |
| Max. output (ECE R 120) | kW/hp | 385/524 | 355/483 | 317/431 |
| Max. torque | Nm | 2353 | 2203 | 1932 |

Power equals efficiency.
The transmission.



CMATIC means continuously variable.

CMATIC is the name of the continuously variable transmission technology used in CLAAS tractors. In the XERION series a ZF Eccom transmission provides efficient conversion of engine power. Four multidisc clutches ensure that power transmission always includes a high mechanical component, making the XERION particularly efficient. The driving comfort with a continuously variable transmission is unique in this hp class.

Linear drive train.

The drive train is linear. This deliberate design feature ensures that engine power is directly transferred to the axles and PTO.

Selectable longitudinal and transverse differentials provide optimum power transfer when it's really needed.



ZF Eccom 4.5 transmission.

- Full power transmission in both directions of travel
- For all TRAC and TRAC VC models
- The optional auxiliary drive makes it possible to install a power hydraulics system, allowing transmission of high hydraulic outputs at very low engine speeds.
- Available for top speeds of 40 and 50 km/h



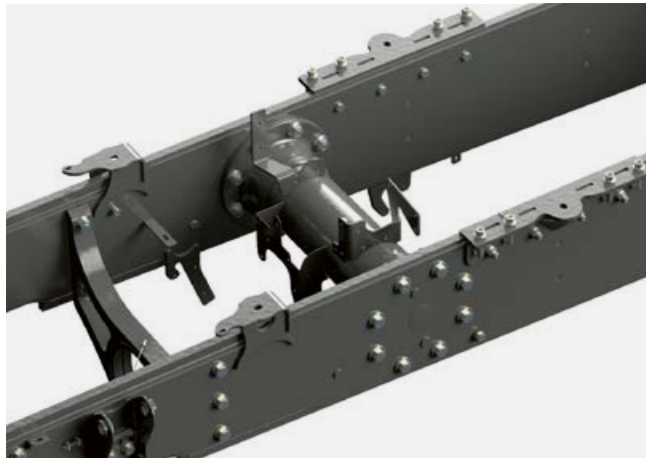
ZF Eccom 5.0 transmission.

- Reversing speeds of up to 30 km/h
- 700 kg lighter than the Eccom 4.5
- Permanent four-wheel drive
- Available for top speeds of 40 and 50 km/h

Unique. The construction.

Single or dual wheels.

The two steering axles allow single wheels (four wheels) or dual wheels (eight wheels) to be used (TRAC and TRAC VC). One-piece or two-piece spacers can be bolted in place in order to fit dual wheels. The advantage of the two-piece spacers is that they give a transport width of 3.0 m with 710 tyres when the dual wheels are removed.



Bolted in place.

Bolted is stronger than welded. That's why the frame reinforcements are bolted in place. This further increases the strength and load-carrying capacity.



High load-carrying capacity.

The 110 mm ball hitch behind the cab supports a maximum drawbar load of 15 tonnes. A swanneck connection with mounted implements makes the tractor/implement combination highly manoeuvrable. The hitch ball absorbs the high loads and distributes them evenly across the entire vehicle.

Long wheelbase.

The long wheelbase enhances driving comfort. But the 3.6 m spacing between the axles doesn't just improve operating stability – it also plays a major part in converting engine power into effective tractive power.

Two steering axles ensure that the XERION remains manoeuvrable and easy to handle.



Perfect equilibrium. The ballasting.



Tractive power makes all the difference.

The four equal-sized wheels efficiently convert the installed engine power into equal shares of tractive power. Using the wheel slip display and rapidly adjustable engine droop, the driver can quickly find the optimum setting for every job.



Good distribution.

The tare weight is distributed evenly across both axles even without additional weights. The tractor is easily optimised for every task with a ballasting pack that is available ex factory. 400 kg weights can be installed on the front weight and the rear plate and locked in place.



Front: fixed or variable.

CLAAS offers two different front weights: one is designed to be fixed permanently in place and one can be attached via the front hydraulics. Both weigh 1,800 kg. The ballasting can be increased to 3.2 t by adding four further weights.



Rear: a range of options.

A 200 kg base plate can be installed over the rear axle by means of a simple locking system. A total weight of 3.4 t can be achieved by adding up to eight additional weights in this way.

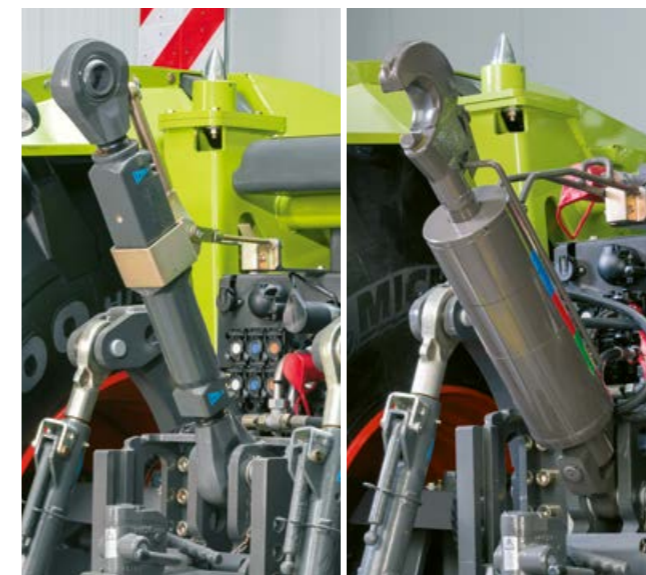
Simply lifts more.
The rear linkage.



Continuous power.

The 3-point hitch on the rear linkage is fitted with category IV hitch points as standard.

- Double-acting rams
- Continuous 10 t lift capacity
- Vibration damping



The top link.

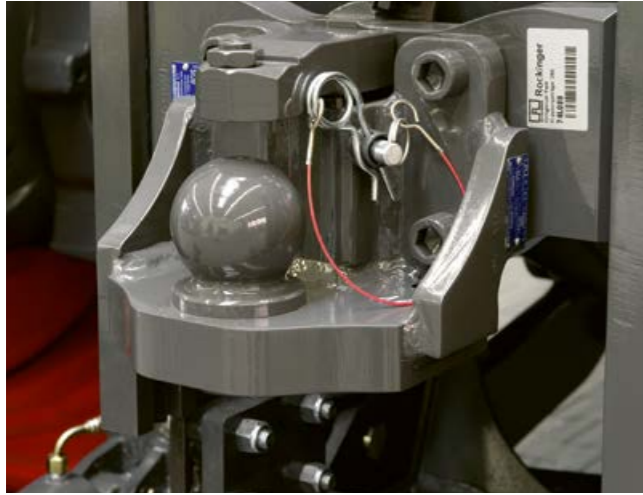
For the top attachment point on the 3-point hitch at the rear, CLAAS offers a mechanical top link with category IV (heavy duty) hitch points or a hydraulic top link with category III or IV hitch points.



The lower link stabilisers.

You can choose between mechanical and hydraulic lower link stabilisers. The hydraulic version provides the option of automating operating processes. The stabilisers can be locked and unlocked by a switch on the control panel. The linkage can also be fitted with an internal reinforcement to give category IV N. The lower links are then directly connected to the tow hitch support, making stabilisers superfluous.

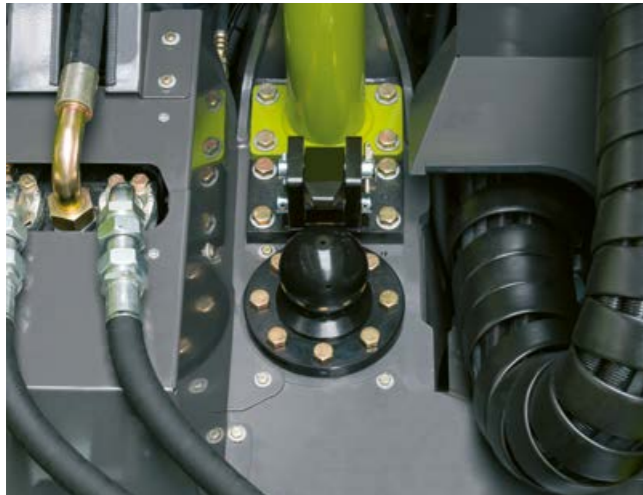
A strong attachment. The hitch points.



Ladder hitches.

Two different hitch options are available:

- Automatic trailer coupling, drawbar load 2.0 t
- 80 mm ball head coupling, drawbar load 3.0 t at up to 40 km/h



Swanneck.

The swanneck coupling has become an accepted method of attaching trailed slurry tankers. The 110 mm ball hitch behind the cab is designed to take a maximum drawbar load of 15 t, and the ball position immediately behind the cab distributes the drawbar load across both axles. Having the hitch directly behind the cab gives a smaller turning radius and a much shorter combination length than a tractor with a rear-mounted slurry tanker.



Drawbar hitch.

Three holes in the drawbar hitch give you a choice of three positions. You can also choose between different attachment points.

- Drawbar with 40 or 50 mm diameter locking pin
- Drawbar with 80 mm hitch ball
- Drawbar with Piton Fix

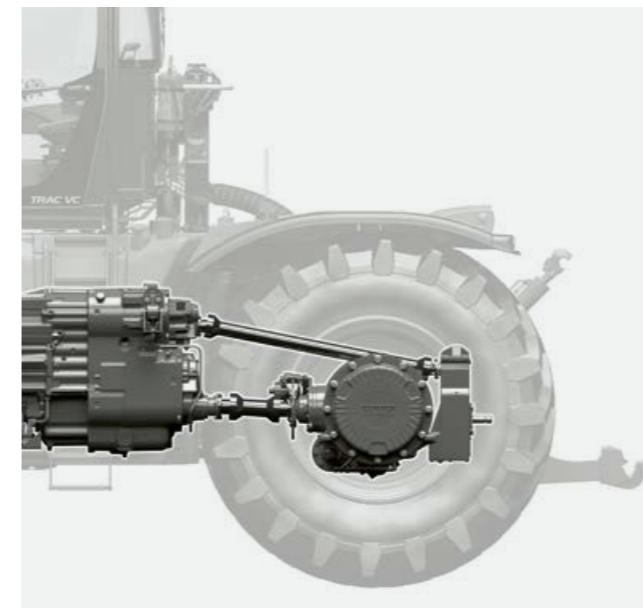
A drawbar with a positive steering device is also available for positively steered implements.



Using the swanneck hitch for slurry tanker attachment offers several benefits:

- Significant reduction in overall length
- More manoeuvrable at headlands
- Better axle load distribution reduces soil compaction

Power where it's needed. The PTO.



Plenty of usable power.

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, the full output is transferred to the PTO stub.

This enables you to reduce your fuel consumption while working at full engine output.



Several PTO stubs available.

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

With the 2 1/4" PTO stub, engine outputs above 500 hp are effectively transferred to attached implements.



The PTO can be switched on externally using the yellow push button on the mudguard. Inside the tractor there is a yellow emergency stop button for rapid PTO deactivation.



Loves heavy work. The front linkage.



Fully integrated.

The front linkage is fully integrated into the frame. The lower links fold in easily to reduce the vehicle length. Further benefits include:

- Robust design
- Continuous 8.1 t lift capacity
- Double-acting
- Position control
- Vibration damping



- 1 Front linkage operation
- 2 Rear linkage operation

Everything at your fingertips.

The CMOTION enables you to control the front and rear linkage easily with your thumbs without having to move your hand.



Front linkage

- Working position for area calculation
- Lifting height limiter
- Lowering speed
- Lifting speed

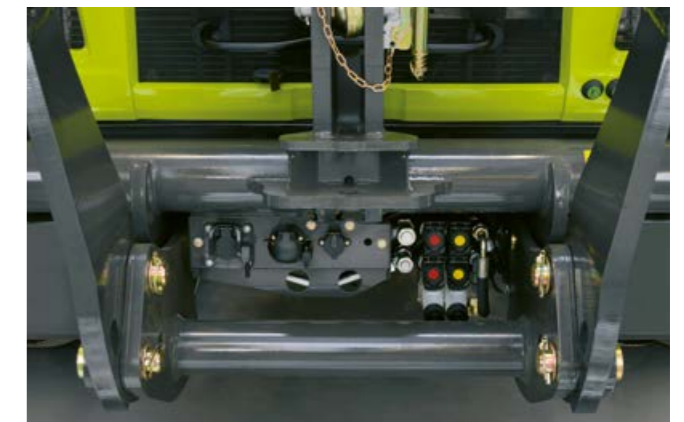
Many options.

The front linkage is operated electronically. Your hand remains on the CMOTION multifunction control lever while you operate all the functions. All settings can be adjusted quickly and easily on the CEBIS control terminal.



The front linkage and one spool valve are easily operated by push buttons at the front of the bonnet.

Keep up the pressure.
The hydraulics.



Strong power hydraulics.

On the ZF Ecom 4.5 transmission there is an auxiliary drive which can deliver 250 l/min at 260 bar via a 100 cm³ pump. This third hydraulic circuit can therefore provide up to 90 kW of additional output.

Connections at the front.

Two double-acting spool valves are available at the front of the XERION if a front linkage is installed.



The facts.

The XERION is equipped with two hydraulic load-sensing circuits:

- 1 Primary circuit for the spool valves and linkages
- 2 Secondary circuit for oil cooling, steering and brakes

The performance figures for the primary circuit are:

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

A third hydraulic circuit (option) provides additional constant output of 80 l per minute (at 200 bar).



Connections at the rear.

Six double-acting spool valves are available at the rear when a linkage is fitted, and up to seven are available when specified without.



Power Beyond.

The Power Beyond connections with large-diameter lines and flat couplings at the front and rear provide a high oil delivery rate to attached implements with low losses.

Business class.

Exceptional visibility – large windows for a perfect all-round view. A superior, ergonomically designed workplace.

Full power at your fingertips. CEBIS optimises the settings, ensuring that this power is fully utilised. Intuitive 3-finger operation with the unique CMOTION multifunction control lever.



Business class. The cab.



Convenient reverse-drive system.

The cab on the XERION TRAC VC (Variable Cab) can be rotated through 180° in less than 30 seconds simply by pressing a button. This new position at the rear of the tractor gives the driver an excellent view of rear-mounted attachments. All the controls move as well – automatically. For tasks such as silo work, chipping wood, snow blowing or mulching, this convenience is unique.



Magnificent view.

The spacious cab offers unbeatable all-round visibility thanks to its large windows and 4-pillar design.

And long working days are no problem with a maximum noise level of 69 dB.



Intelligent suspension.

Semi-active cab suspension enhances driving comfort in all applications. The dampers are electronically controlled and automatically adjust the suspension to the current driving situation.



Lighting.

The XERION lighting system is based on two different voltage networks. The road driving lights are powered by a voltage of 12 V and the working headlights by a 24 V system.

- Up to twelve work lights at the front
- Up to eight work lights at the rear



Everything in hand.
The armrest.



Control panel.

The control panel is equipped with additional function switches which are identified by self-explanatory symbols.

- 1 Speed range switch (road: max. 50 or 40 km/h, field: max. 30 km/h)
- 2 Pivoting rear linkage / Lock lower link stabilisers
- 3 Switch between front linkage / white hydraulic spool valve
- 4 Reversible fan
- 5 Parking brake / neutral
- 6 Activate longitudinal and transverse differential
- 7 Differential locks, manual or automatic
- 8 Engine-speed memory
- 9 Hydraulic spool valves
- 10 PTO
- 11 Power hydraulics (auxiliary drive)
- 12 Control rear linkage operating position
- 13 ELECTROPILOT (four-way control lever for two spool valves)
- 14 E-gas (manual engine speed adjustment)

Ergonomic.

The armrest is designed to ensure that the driver's arm and hand remain relaxed and comfortable while controlling the most important functions. Even when operating the CMOTION multifunction control lever, your hand lies on the armrest and does not get tired.



Adaptable.

You can adjust the entire armrest to suit your needs: it can be moved horizontally and vertically using two levers in the middle of the console.



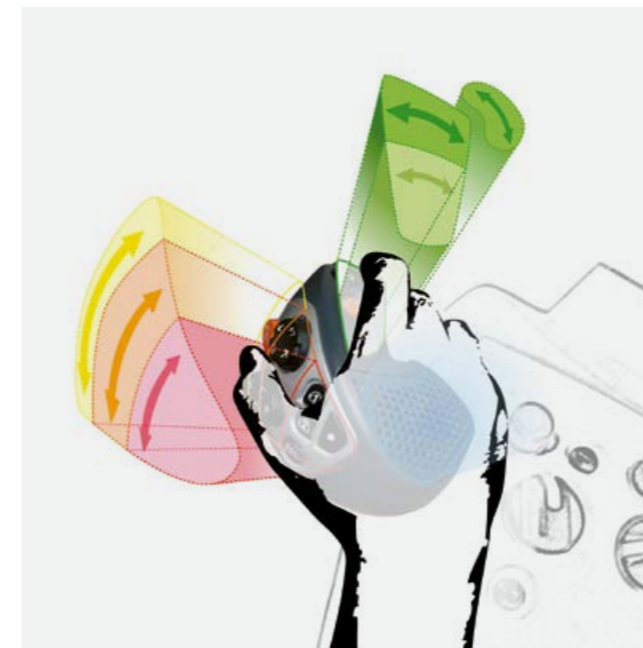
Everything in one place.
The CMOTION multifunction control lever.



Within easy reach.

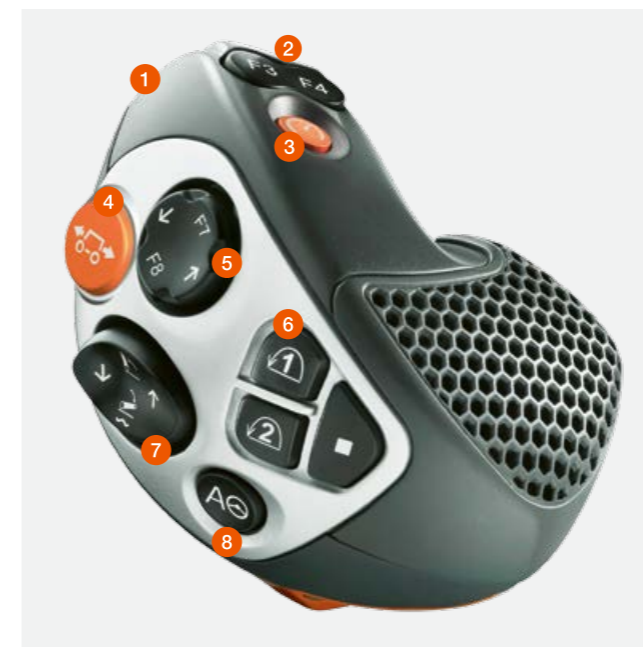
The CMOTION multifunction control lever from CLAAS is a unique concept which allows convenient and efficient operation of the main XERION functions. Eight individually

assignable function buttons for a wide range of implement and machine control options are located on the CMOTION multifunction control lever.



Pure ergonomics.

The CMOTION multifunction control lever allows you to control complex processes with up to four control functions without moving your hand from its ergonomic position on the lever. The functions are operated with the thumb and first two fingers, reducing fatigue in your hand throughout the working day.



- 1 Function buttons (F5 / F6)
- 2 Function buttons (F3 / F4)
- 3 Cruise control
- 4 Start up / reverse
- 5 Front linkage / hydraulics; function buttons (F7 / F8)
- 6 CSM headland management; function buttons (F1 / F2)
- 7 Rear linkage
- 8 Steering system

Everything under control. CEBIS.



Clear, simple, faster operation.

In working mode, the basic tractor settings are entered via the CEBIS rotary switch. An additional HOTKEY rotary/push switch provides rapid access to control other functions. The position of the rotary switch is shown on the CEBIS display.

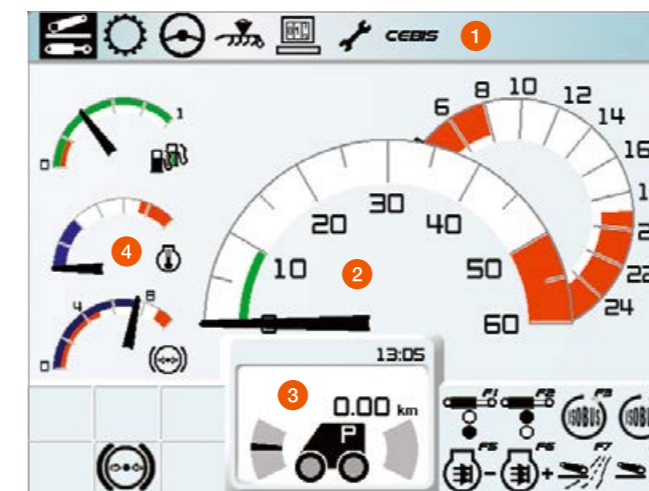
An eye-catching 21 cm screen.

The 8.4" colour CEBIS screen offers the perfect view thanks to its easily customised position. A ball head mount allows the monitor to be adjusted exactly as the operator requires.

Always well informed.

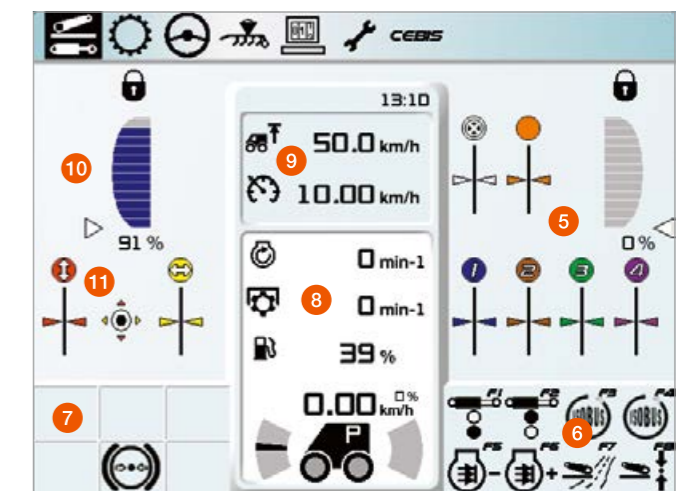
Information, control and monitoring are the tasks of the CEBIS electronic on-board information system. It is distinguished by the clear, logical organisation of its functions in the menu structure.

A quick look is all it takes: the CEBIS display gives you an overview of the current processes and status. A road screen and an operating screen provide a clear, organised summary of all relevant information. Warning messages are given acoustically as a buzz tone as well as visually in the form of icons and text.



CEBIS colour screen.

- 1 Menu bar
- 2 Ground speed and rpm
- 3 Travel information
- 4 Fuel, temperature and air indicator



CEBIS operating screen.


- 5 Rear linkage / rear spool valve status
- 6 Function button assignment:
F1 to F8 on the multifunction control lever
- 7 Message window
- 8 Configurable display area
- 9 Variable display area dependent on selected menu item
- 10 Front linkage status
- 11 Front spool valve status

Our electronics expertise.
Acting today to be ready for tomorrow.




Three modules which make your work significantly easier.

We don't have to tell you that resources are becoming scarcer, the volume of legal requirements is increasing and competitive pressure is rising. But we would like to tell you how we can make your work easier and help you get more out of your business. To give our activities in the era of Farming 4.0 and ever-increasing digitisation a clear, comprehensible structure, we have organised our expertise in this sector into three clearly defined areas.


 Operator assistance systems.

There's no substitute for experience – it's the key to reacting quickly and appropriately to changing conditions. Whether it's a question of wet soil areas, difficult terrain or changing levels of crop moisture, there are many decisions that have to be made to ensure that work is performed to the right standard. In developing our operator assistance systems we have drawn on the experience of thousands of CLAAS customers because there are many factors which are impossible to calculate scientifically and which call for realistic solutions taken from real-world situations.

 Business and data management.

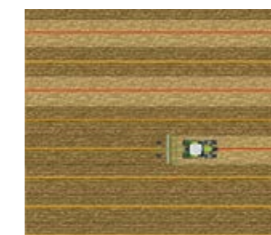
GPS coordinates, operating status of major components and modules, job messages, results of sensor measurements – all this information can be used for your benefit and leveraged through analysis and evaluation. All the results converge in the business and data management module where they are processed to provide an overview of expenses and receipts.

With the 365FarmNet field catalogue, which is available free of charge, you can manage your entire business across multiple manufacturers and agricultural sectors – whether you are at home or on the go. All the information you require can be found in one user-friendly program: from cropping plans to harvesting, from the field to the barn, from documentation to business analysis.

 **EASY.** EASY.
get connected. Get connected.

Our EASY specialists are available to guide you through networking of the various components and systems. They will support you in integrating your CLAAS machine into your system landscape and preparing it for your implements, steering system environment and data management structure. They will help to ensure that your CLAAS machines can send and receive data. To and from anywhere you want. Protected against access by third parties – convenience and reliability for you and your staff. That's why we say 'EASY – get connected.'

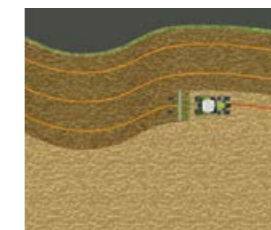
Always on the right track. CLAAS steering systems.



The correction signals.

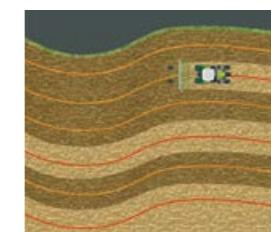
RTK

- +/- 2 to 3 cm
- Base station
- Range approx. 15 km
- Own reference station or reference signal is provided by the local dealer
- Highest possible repeatable accuracy



RTK NET

- +/- 2 to 3 cm
- Correction signal via mobile phone network
- Dual-frequency signal
- Unrestricted working radius
- Highest possible repeatable accuracy
- Subject to licence



RTK FIELD BASE

- +/- 4 to 6 cm
- Mobile reference station
- Range 3 to 5 km
- Free of licence fees
- Internal correction signal
- Integrated rechargeable battery



OMNISTAR XP / HP / G2

- +/- 5 to 12 cm
- Satellite-based correction signal
- Dual-frequency signal
- Subject to licence

EGNOS / E-DIF

- +/- 15 to 30 cm
- Free of licence fees
- Base accuracy

For more information about steering systems, see the CLAAS Steering Systems brochure or ask your CLAAS dealer.

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 diesel fuel, machine costs, fertiliser and crop protection products.

The GPS PILOT automatic steering system is controlled by the S10 and S7 touchscreen terminals which feature a very simple and user-friendly menu-guided interface.

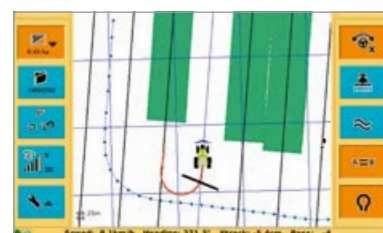
Automatic steering at the headland.

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

Correction signal to meet individual needs.

The design of the CLAAS range enables you to 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.



AUTO TURN enables the driver to select the next track.

Even better control with ISOBUS and Implement Controls Tractor (ICT).



The way you want it.

Portable displays from CLAAS offer a flexible control option for ISOBUS and steering systems. The terminal can be moved from one tractor to another or to a self-propelled harvester, depending on the season or job in hand. Fit your XERION with equipment that's just right for you, either ex factory or as a retrofit option.

S10 terminal:

- High-resolution 10.4" touchscreen terminal
- Steering and ISOBUS functions
- Up to four cameras can be displayed

S7 terminal:

- High-resolution 7" touchscreen terminal
- Steering functions

COMMUNICATOR:

- 5.7" terminal
- ISOBUS functions

Implement Controls Tractor (ICT).

When the XERION is used in combination with the QUADRANT 3400 square baler, two of its functions can be automatically controlled by the baler. Thanks to ISOBUS.

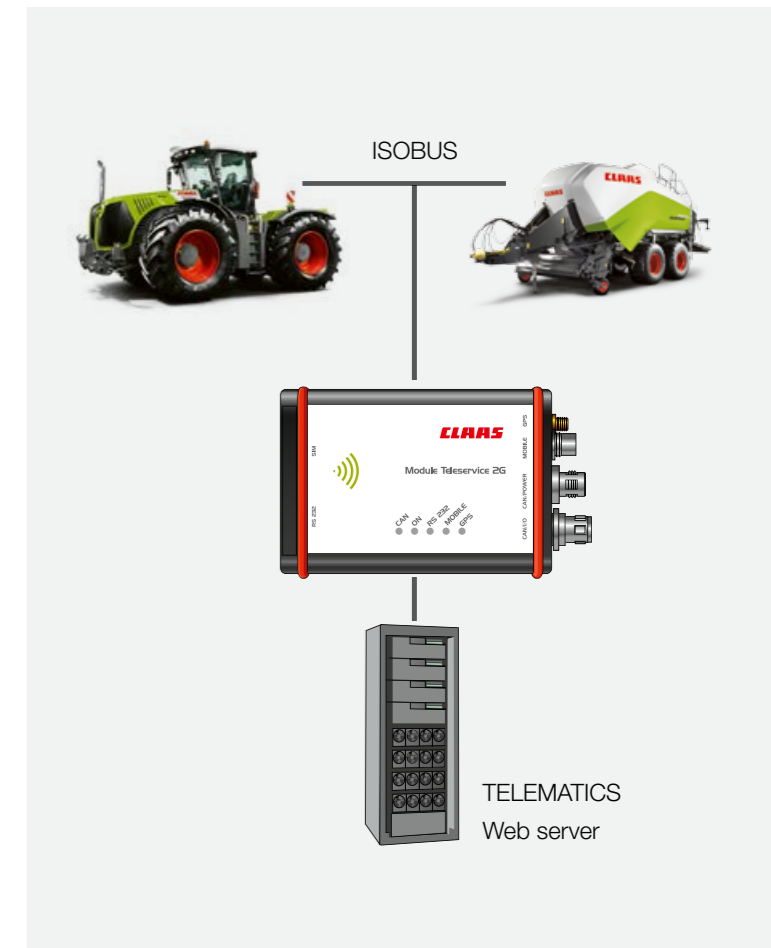
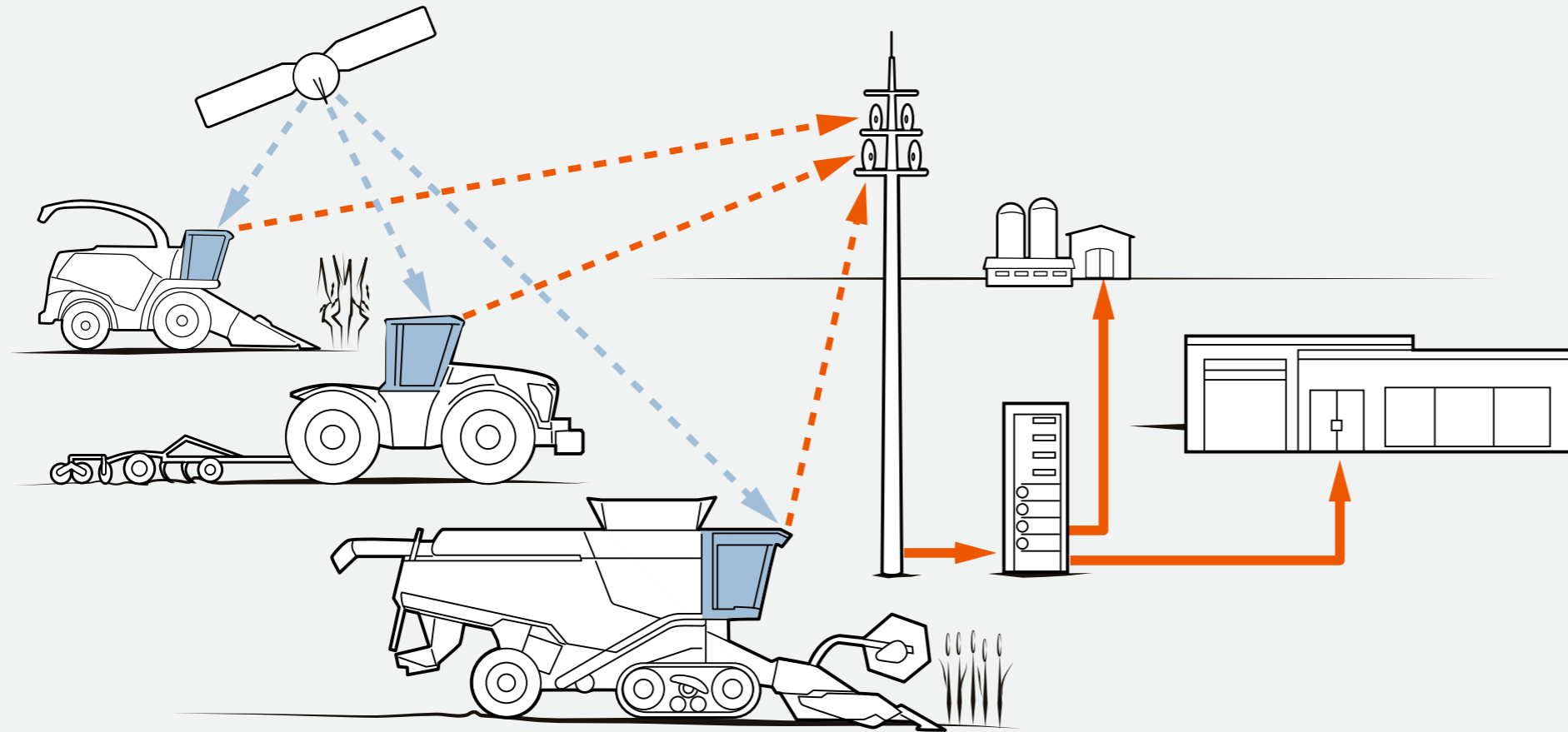
CRUISE CONTROL.

Optimises the performance and work quality of the baler by controlling the tractor's forward speed. The speed is continuously adjusted to suit the conditions, enabling you to get the best out of your machine combination.

AUTO STOP for the PTO.

If an overload is detected in the QUADRANT 3400, the ICT AUTO STOP automatically switches off the PTO. This protects the entire drive train throughout long working days and reduces the driver's workload.

Monitoring the whole picture. TELEMATICS.



All the key data. Any time.

CLAAS TELEMATICS enables you to monitor all of your performance data and the position of your machine from any location, whether you are in the office or the workshop, wherever internet access is available.

GPS positioning enables the exact location of the XERION to be determined, in the field or on the road. Even when you're on the move, you have full access to all the information you require via a mobile connection.

Monitoring, analysis and comparison provide the ideal basis for making sound business decisions to increase the capacity utilisation of machines for enhanced efficiency.

Good reasons to use TELEMATICS:

- Improve work processes: operating time analysis
- Optimise settings: remote monitoring
- Simplify documentation: data collection
- Faster servicing: remote diagnostics.
- Installed on the XERION as standard equipment



TONI (TELEMATICS ON IMPLEMENT).

TONI is an extension of TELEMATICS. It enables the user to use data from the attached implement in addition to tractor data. The only requirements are that the tractor is ISOBUS-compatible and that the implement is controlled via ISOBUS.

Always ready for action.
Maintenance and service.

XERION

The XERION never lets you down.

Maintenance, spare parts, service: the CLAAS team does everything it can to minimise downtime. We have developed clever solutions for effective maintenance – and a well-prepared machine provides maximum operational reliability. Ensuring that your machine functions correctly and retains its value are our top priorities. Because we know that your tractor is one of your keys to success.



Very fast. Maintenance.

Fast maintenance.

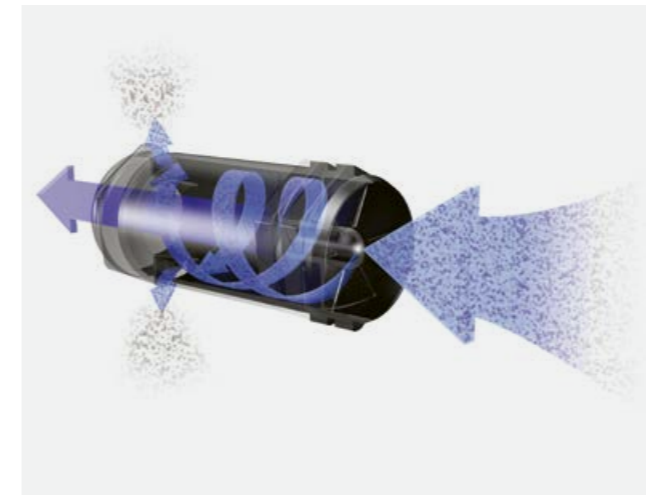
The XERION is highly impressive when it comes to its minimal maintenance requirements. For example, the service interval for transmission, hydraulic and axle oils is 1,500 hours.

When maintenance does become due, it can be carried out quickly and effortlessly. The engine oil filter is positioned within the full frame for easy access.

Unrivalled deployability.

- Oil-change interval for transmission, hydraulic and axle oil: 1,500 hours
- Easy access to the engine oil filter.
- The one-piece bonnet provides easy access to all service points
- A new engine air intake system increases the service life of the filter cartridge considerably
- The service status is shown on the CEBIS display
- Robust, easily accessible battery compartment
- Coolant reservoir can be accessed when the bonnet is closed

These features combine to make daily service and maintenance tasks much easier, helping to preserve the value of your machine.



Cleaning up.

The XERION has an efficient, low-maintenance system for cleaning the engine intake air. Cyclones separate out the coarse dirt which is then removed by the exhaust system.

The integrated PowerCore® engine air intake filter is extremely robust, has high filtration performance and is easy to use.

Whatever it takes. CLAAS Service & Parts.



Your requirements count.

You can always rely on us: we'll be there whenever you need us. Everywhere. Fast. Reliable. 24 hours a day if necessary. With a complete solution for your machine or business. Whatever it takes.

ORIGINAL parts and accessories.

Specially matched to your machine: precision-manufactured spare parts, high-quality consumables and useful accessories. We will supply exactly the right solution from our comprehensive product range to ensure that your machine is 100% reliable. Whatever it takes.

Always quick on the scene.

A tight-knit service network and personal contact partners ensure that we are always easily accessible – from sales staff to technical support and customer service. Whatever it takes.

Always up to date.

CLAAS dealers are among the most efficient agricultural technology businesses in the world. Our service teams are ideally qualified and equipped with the all-important special tools and diagnostic systems. CLAAS Service stands for high-quality work which meets all your expectations with regard to expertise and reliability. Whatever it takes.

Planned reliability.

Our service products help you to increase machine reliability, minimise the breakdown risk and base your calculations on predictable costs. CLAAS MAXI CARE offers planned reliability for your machine. Whatever it takes.

Worldwide coverage from Hamm.

Our central spare parts warehouse delivers all ORIGINAL parts quickly and reliably all over the world. Your local CLAAS partner can supply the right solution for your harvest or your business within a very short time. Whatever it takes.

Always networked with your distributor and CLAAS.

Using Remote Service, your CLAAS distributor can access your machine and your specific data. In this way, you can respond together, quickly and directly, in response to maintenance and servicing situations.

Furthermore, TELEMATICS provides the option of using the internet to access important data about your machines at any time and anywhere. Whatever it takes.



The CLAAS Parts Logistics Center in Hamm, Germany, stocks more than 155,000 different parts and has a warehouse area of over 100,000 m².



- 1 Perkins 6-cylinder engine, max. 431-524 hp¹
- 2 One-piece bonnet
- 3 Hydraulic reversible fan.
- 4 1,000 litre fuel tank capacity
- 5 Continuously variable transmission, max. 50 km/h in both directions
- 6 TRAC concept
- 7 Tyres with max. cross-section of 2.15 m
- 8 Up to ten double-acting spool valves (max. three at the front and max. seven at the rear)
- 9 Up to three double-acting auxiliary spool valves
Front linkage with height / depth control
- 10 Rear PTO 1,000 rpm with reduced engine speed (1,730 rpm)
- 11 Armrest with CMOTION multifunction control lever

¹ In accordance with ECE R 120

Outstanding features.

Drive and concept.

- Short, effective drive paths from the engine to the wheels deliver the high tractive power required to cover more ground per day
- Four equal-sized tyres up to 2.16 m in diameter ensure high daily field work rates with less wheel slip
- Simple adjustment of the engine droop via the CMATIC continuously variable transmission reduces fuel consumption during field work
- Even at low engine speeds of 1,400 to 1,600 rpm, all conventional field work can be optimized for fuel efficiency and high torque
- Simple drive train reduces fuel consumption per hour during PTO work such as mowing, mulching or rotary cultivation
- PTO work at 1,000 rpm can be performed at a fuel-efficient 1,730 engine rpm and associated high torque
- Simple, flexible ballasting system enables the optimal operating weight to be quickly matched to the task to boost efficiency
- A power hydraulics circuit with up to 90 kW of additional output with low fuel consumption at reduced engine rpm is available to satisfy high hydraulic power requirements such as a slurry pump or two blowers for large seed drills



Comfort and convenience.

- CMATIC continuously variable transmission for convenient control of vehicle speed
- TRAC VC rotating cab provides clear view of rear-mounted implements for stress-free silage work, wood chipping, etc.
- Stay relaxed and in full control with the ergonomic CMOTION multifunction control lever (wrist is always straight)
- Automatic steering system available with all standard correction signals
- TELEMATICS and TONI for professional documentation and service monitoring
- S7 and S10 (ISOBUS) touchscreen terminals for intuitive operation of steering system and job management functions
- Easy-to-use CSM (CLAAS SEQUENCE MANAGEMENT) headland management system greatly reduces the driver's workload on long days

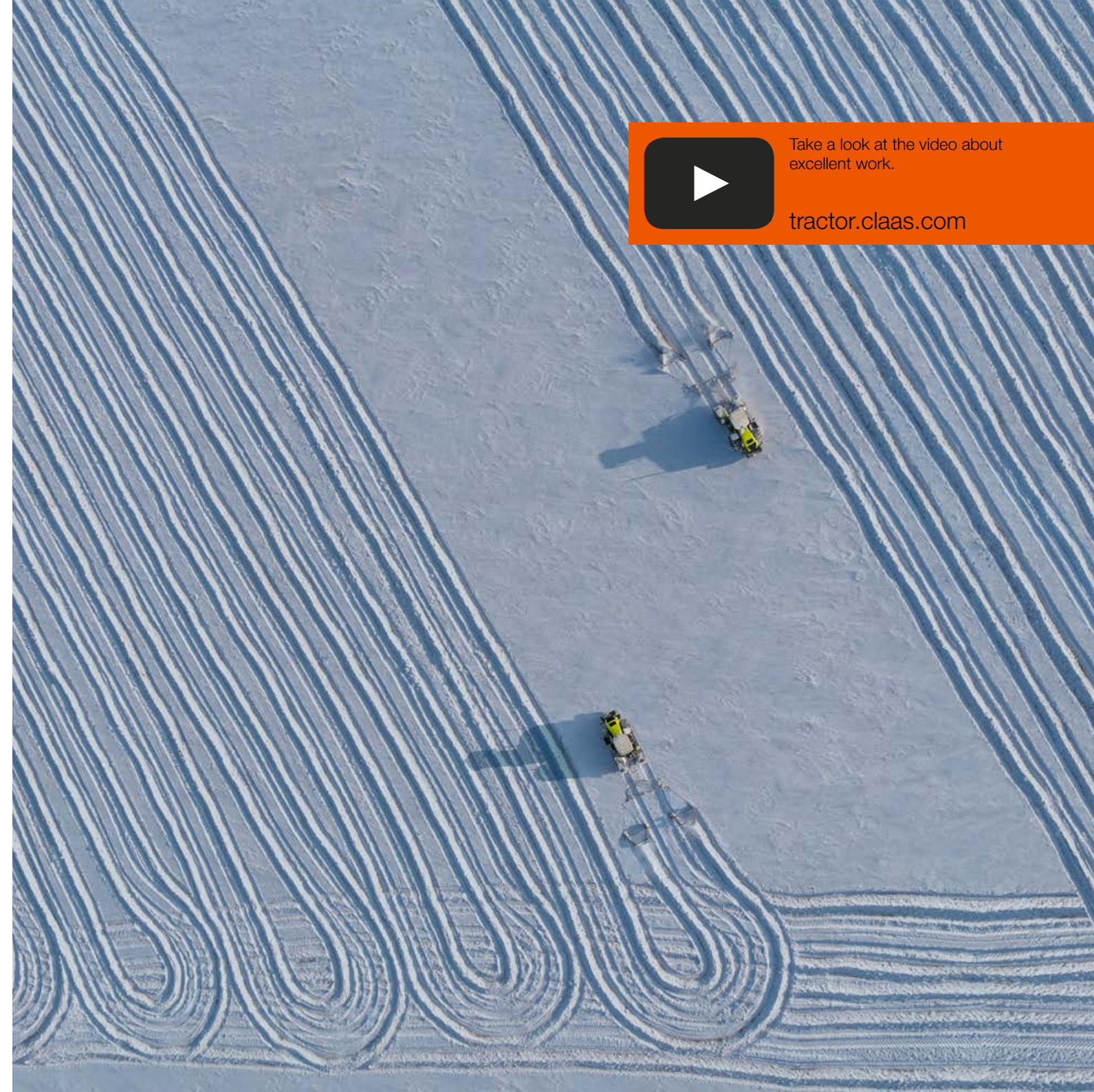
| XERION | | 5000 | 4500 | 4000 |
|---------------------------------------|-----------------|--|--|--|
| Engine | | | | |
| Engine | | Perkins | Perkins | Perkins |
| Cubic capacity | cm ³ | 12500 | 12500 | 12500 |
| Nominal engine speed | rpm | 2000 | 2000 | 2000 |
| Lower engine idling speed | rpm | 800 | 800 | 800 |
| Upper engine idling speed | rpm | 2080 | 2080 | 2080 |
| Rated output (ECE R 120) ¹ | kW/hp | 358/487 at 2000 rpm | 330/449 at 2000 rpm | 295/401 at 2000 U/min |
| Max. output (ECE R 120) ¹ | kW/hp | 385/524 at 1800 rpm | 355/483 at 1800 rpm | 317/431 at 2000 rpm |
| Max. torque (ECE R 120) ¹ | Nm | 2353 at 1400 rpm | 2203 at 1400 rpm | 1932 at 1400 rpm |
| Fuel tank capacity | l | 1000 | 1000 | 1000 |
| Electrical system | | | | |
| AC generator | A/V | 100 / 24 + 135 / 12 | 100 / 24 + 135 / 12 | 100 / 24 + 135 / 12 |
| Batteries | Ah/V | 3 x 100 Ah, total 100 / 24, 100 / 12 | 3 x 100 Ah, total 100 / 24, 100 / 12 | 3 x 100 Ah, total 100 / 24, 100 / 12 |
| Transmission | | | | |
| Transmission | | Eccom 4.5/5.0 | Eccom 4.5/5.0 | Eccom 4.5/5.0 |
| Transmission type | | Hydrostatic-mechanical split-power | Hydrostatic-mechanical split-power | Hydrostatic-mechanical split-power |
| Output | | Permanent all-wheel drive | Permanent all-wheel drive | Permanent all-wheel drive |
| Longitudinal differential | | 100% lockable, lamella construction | 100% lockable, lamella construction | 100% lockable, lamella construction |
| Powered steering axles | | | | |
| Differential locks | | 100% lockable, electrohydraulic actuation, lamella construction, with automatic function | 100% lockable, electrohydraulic actuation, lamella construction, with automatic function | 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 | Hydraulically actuated wet multi-disc brakes, auxiliary-power-reinforced, acting on all wheels | Hydraulically actuated wet multi-disc brakes, auxiliary-power-reinforced, acting on all wheels |
| Parking brake | | Electrohydraulically released spring-loaded brake | Electrohydraulically released spring-loaded brake | Electrohydraulically released spring-loaded brake |
| Hydraulic system | | | | |
| Max. hydraulic tank capacity | l | 120 | 120 | 120 |
| Max. drawable volume | l | 80 | 80 | 80 |

¹ Identical to ISO TR 14396

| XERION | | 5000 / 4500 / 4000 |
|---|-----------|--|
| Main circuit (linkage, spool valves) | | |
| Max. operating pressure | Mpa (bar) | 20 (200) |
| Max. flow rate | l/min | 205 |
| Number of spool valves | | Max. 7 rear, max. 3 front |
| Max. flow rate per disc | l/min | 105 |
| Max. hydraulic output, total | kW | 61 |
| Power hydraulics (optional) | | |
| Operating pressure | Mpa (bar) | 26 (260) |
| Max. flow rate | l/min | 224 at 2000 rpm |
| Max. hydraulic output, total | kW | 90 |
| Hitch type | | |
| Automatic hitch, D38 pin, spherical | kg | Drawbar load 2000 |
| Hitch with hitch ball, ball system 80 | kg | Drawbar load 4000 |
| D40, D50 variable drawbar + Piton Fix | kg | Drawbar load 4000 |
| Drawbar with ball system 80 | kg | Drawbar load 4000 |
| Hitch ball, 110 mm | kg | Drawbar load max. 15000 |
| Front linkage | | |
| Category | | III N, double-acting |
| Continuous lift capacity / max. lift capacity / max. lift range | mm | 81 kN / 84 kN / 905 |
| Selectable function | | Raise, lower (press) |
| Control function | | Position control, vibration damping |
| Rear linkage | | |
| Category | | IV N, double-acting |
| Continuous lift capacity / max. lift capacity / max. lift range | mm | 100 kN / 136 kN / 763 |
| Selectable function | | Raise, lower (press) |
| Control function | | Position control/draught resistance, vibration damping |
| Dimensions and weights | | |
| Overall length including linkages | mm | 7493 |
| Overall width | mm | Min. 2490 to 3300 |
| Overall height depending on tyres | mm | 3651 to 3801 |
| Wheelbase | mm | 3500 |
| Ground clearance depending on equipment | mm | 375 to 525 |
| Smallest turning circle | m | 15 |
| Tare weight (full fuel tank, with driver) | kg | 17230 |

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.

Fit for the road.



Take a look at the video about excellent work.

tractor.claas.com

Excellent work. Tractors from CLAAS.

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