

XERION
5000 4500

CLAAS

Absolutely superior.
4x4 high-horsepower
tractor.



In a class of its own.

4x4 high-horsepower tractors from CLAAS.

The XERION creates a tractor class of its own with its unique design attributes, delivering the application capabilities of a modern standard tractor. With four large, equal-sized tyres with all-wheel drive.

A 4x4 high-horsepower tractor that is not simply powerful, and it's also not intended simply for pulling one thing in particular – in fact, it's the machine for almost any application, flexible and manoeuvrable, and rising to the most formidable of challenges. The XERION 5000 / 4500 successfully combines power and intelligence.









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Absolutely spacious.

The working area.

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Absolutely EASY.

Simply get more done.

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Absolutely well thought out.

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The image shows the interior of a CLAAS 5000 XERION tractor cab. The view is from the driver's perspective, looking out through the windshield. The cab is modern and spacious, with a light-colored interior. The steering wheel is on the right side. The dashboard and instrument cluster are visible. The CLAAS logo and model name "5000 XERION" are prominently displayed on a green panel in the foreground. The background shows a bright, open landscape, likely a field or a body of water, under a clear sky.

Absolutely spacious. The working area.

At CLAAS, comfort and convenience mean that everything is designed to enable you to work with optimal efficiency – from the impeccable 360° view right down to the tiniest action.



Working area

Absolutely superior. The comfort features.

Comfort on the go.

The XERION offers incredible visibility with a superb all-round view in the 500 hp class. Generous legroom, comfortable air conditioning at all times, an exceptionally low noise level (69 dB) and a three-way adjustable steering column provide a first-class working environment. The driver's seat is available in three different models and a deluxe seat (pivotal sideways by up to 20°) is also available, offering an even more expansive view of the cultivation zone to the rear.

A generously sized cooler compartment with 43-litre capacity to the left of the driver's seat and a radio system with CD, MP3 and Bluetooth hands-free functionality add the finishing touches to this outstanding luxury working area.





New terminal holder.

An additional terminal can be positioned between the A- and B-pillar, depending on the driver's preference. The new fixture offers sufficient space for several terminals.



Effective cab suspension system.

The XERION air suspension system for the cab absorbs powerful shocks effectively, giving operators a smooth and gentle ride, even over rough terrain.



The steering column is adjustable in three directions.

Comfort



New lighting concept.

The lighting concept of the XERION 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. The improved light quality produced by the higher-power voltage network ensures excellent illumination for effective deployment at night.

Throughout even the longest night, the driver's view of the implement is lit up as bright as day.

- Up to six spotlights at the rear, with two optional Xenon lights available
- Up to twelve spotlights at the front, with two optional Xenon lights available

Optimal light for long working days.

The working lights can be operated effortlessly via a clear and concise control panel. The lighting configuration specified by the driver is stored in the memory as soon as the main switch is deactivated.

The intelligent afterglow function for exiting the cab safely in the dark and the optionally available Xenon headlights add the finishing touches to the sophisticated XERION lighting system.



Absolutely bright.
The lighting.



Lighting

Absolutely rotatable. The cab.

Ultra-convenient reverse-drive system.

The XERION cab can be rotated through 180° in less than 30 seconds at the push of a button.

The introduction of the XERION firmly established the rotatable cab on the market.





Convenience in all directions.

The rotatable cab gives the driver a perfect view of the rear attachment.

The most impressive aspect is that the position of all operating elements remains unchanged after cab rotation. Whichever direction the XERION cab is rotated, the controls remain as they were, regardless of the direction of travel.

- Rotatable though 180° in less than 30 seconds at the push of a button
- Full comfort in both directions of travel
- Perfect view of all implements
- All controls remain in their original positions



Rotatable cab

Absolutely EASY.
Simply get more done.

Go on. Go easy.

EASY

Efficient Agriculture
Systems by CLAAS.



on board



on field



on track



on farm

The name says it all.

The combined electronics expertise of CLAAS can be summed up in a single word: EASY. This stands for Efficient Agriculture Systems and lives up to its name.

Equipment settings, steering systems, software solutions and more: EASY makes it all simple. Your systems can be matched perfectly with one another, enabling you to get the best performance from your machines and top results from your farm.

Go on. Go easy.

EASY can be broken down into four areas – each a specialisation, together a powerful team.

- on board – machine control and performance optimisation directly from the cab
- on field – increased productivity directly in the field
- on track – machine monitoring and remote diagnostics
- on farm – software solutions for your business



EASY



Always well informed.

Information, registration, control and monitoring are the tasks of the CEBIS electronic on-board information system. It is distinguished by its clear, logical organisation of 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 driving screen and an operations 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 texts.

An eye on everything for even simpler, faster operation.

In working mode, the basic tractor setting is made via the CEBIS dial. An additional HOTKEY dial allows quick access to control other functions. The position of the dial is shown on the CEBIS display. Menu navigation and settings changes take place with the CEBIS and HOTKEY step buttons.

A Compact Flash Card makes data exchange particularly easy.

Absolutely well laid out. CEBIS.



An eye-catching 21 cm screen.

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

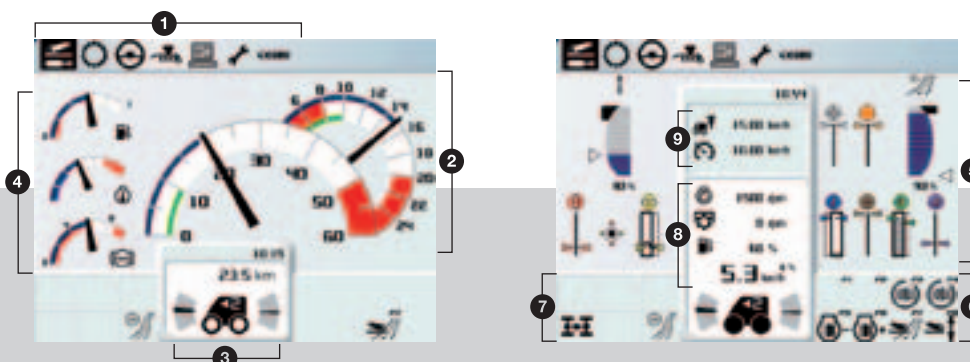
By clicking through just a few menu options, all the functions can be accessed quickly, so you can change basic as well as more advanced settings in a flash. Basic function settings can be made via the CEBIS increment control.

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 hydraulics status
- 6 Assignment of function keys F1 to F8 on multifunction control lever
- 7 Message window
- 8 Configurable display area
- 9 Variable display area dependent on selected menu item



CEBIS

Absolutely simple. CMOTION.

CMOTION multifunction lever.

The new CMOTION multifunction lever completes the XERION operating concept. The assignment of functions to the thumb, index and middle fingers reduces fatigue in the arm and wrist.

New armrest.

The newly designed armrest offers the driver improved functionality and an enhanced view. The wide arm support forms part of the driver's seat guaranteeing relaxed operation. All frequently required functions can be operated from the wrist.





ISO function keys (F3/F4)

Cruise control

CSM headland management
+ ISO function keys (F1/F2)

GPS PILOT

Front linkage / hydraulics
+ ISO function keys (F7/F8)

ISO toggle switches (F5/F6)

Rear linkage

Starting off / reversing

ISO function keys can be assigned various functions via CEBIS, e.g. hydraulic spool valve, engine rpm and CLAAS SEQUENCE MANAGEMENT (CSM).

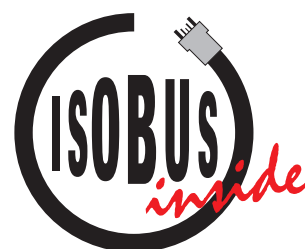
CMOTION



GPS PILOT with CEBIS MOBILE Terminal.

GPS PILOT uses the multifunctional colour CEBIS MOBILE display. The ISOBUS-compatible terminal has a 6.4" colour screen and uses the same operating structure as the well-known CEBIS on board.

The CEBIS MOBILE system can be used on the tractor both for GPS-guided steering and to simultaneously control the working implements via the ISOBUS terminal.



Absolutely accurate. GPS PILOT.



Steering systems are indispensable.

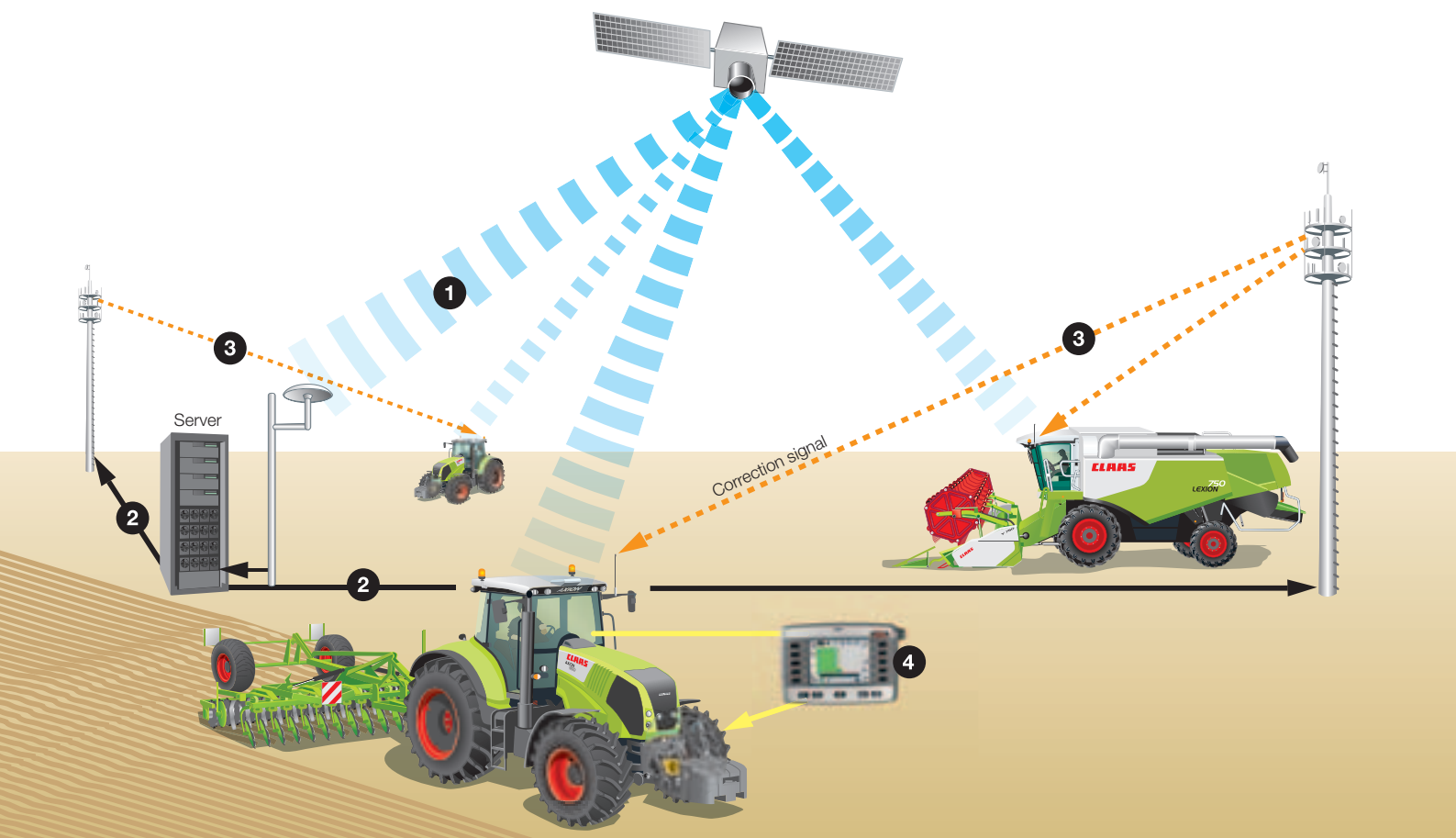
CLAAS GPS PILOT supports your work in the field.
Precision to the nearest centimetre is now made easy.

- Your work is now much more relaxed, allowing you to concentrate your efforts fully on creating the perfect machine configuration
- Reduce fuel, operating, seed, pesticide and fertiliser costs
- Make every track exactly the same as the previous one
- Make full use of the working width
- Reduce overlapping
- Save valuable operational time, or extend it into the night-time hours
- Optimise the cost-efficiency of all your working processes

The interface between GPS PILOT and AGROCOM NET – CLAAS farm management software – allows tramlines, reference lines and job-specific information to be easily exported to the farm's PC by way of simple transfer via a USB stick.

Preliminary planning for the next job in hand enables all field-related and job-related data to be uploaded without having to repeat the data gathering process.

Absolutely straight. GPS PILOT – RTK NET.



- 1 The machine and the RTK network receive signals transmitted by GPS satellites.
- 2 The central server calculates a correction signal from networked reference stations.
- 3 The machine additionally receives the high-precision RTK correction signal via cellphone network.
- 4 The GPS PILOT converts both signals into steering signals.



Working independently.

When it comes to centimetre precision in sowing or harvesting applications, the CLAAS GPS PILOT with RTK NET is the ideal technology.

The system functions on the basis of the transfer of correction signals via mobile radio communication, and is ideal for regions where there is no access to permanent RTK stations. RTK NET works independently of any radius, and is hence the ideal solution for contractors and farms seeking to work with the highest repeatable precision.

The GPS PILOT is available for all XERION models ex factory.

Working benefits.

- Correction signal via cellphone network
- Access to existing RTK networks
- Unrestricted working radius
- Individual machine operation
- Highest possible repeatable accuracy
- Very quick signal availability



GPS PILOT
RTK NET



Everything in full view.

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

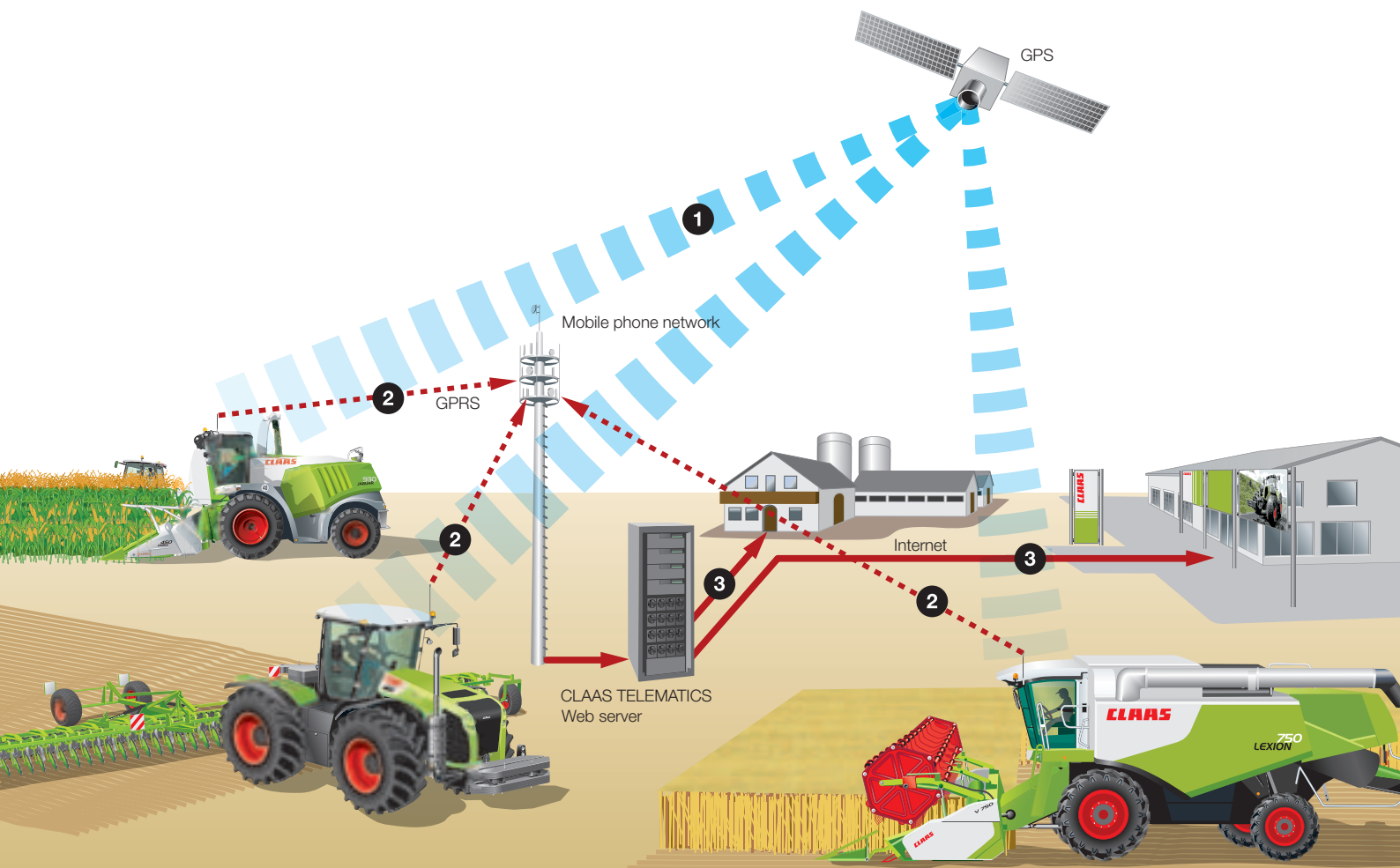
GPS positioning enables the exact location of the XERION in the field or on the road to be determined. Even when you're on the move, you have full access to all the information you require via a mobile connection.

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

CLAAS TELEMATICS components:
communication modules, GPS antennae,
memory cards, mobile telephone SIM card
(not included in package).



Absolutely near. TELEMATICS.



- 1 Machines receive signals transmitted by GPS satellites.
- 2 Machines send the GPS coordinates and machine-related performance data and reports to the TELEMATICS web server via mobile telephony communication.
- 3 This data is directly accessible to farms or service partners via the Internet.

TELEMATICS

Absolutely quick. Remote diagnostics.



How is TELEMATICS used on the XERION?

1 Operating time analysis

- Deployed time analysis
- Reduce downtime
- Review machine settings
- Optimise fuel consumption

2 Asset protection / logistics

- Position indicator in "Google Earth®"
- Where is the machine located?
- What is the machine currently doing?
- Is the machine being used for purposes other than intended?

3 Data collection

- Automatic data collection for documentation
- Secure storage on central server
- Standard interfaces for data export from TELEMATICS

4 Remote monitoring

- Maintenance planning
- Remote diagnostics with CDS

To make sound decisions in business, you need information.

CLAAS TELEMATICS supplies you with more machine data than you'll ever be able to handle in a hurry!

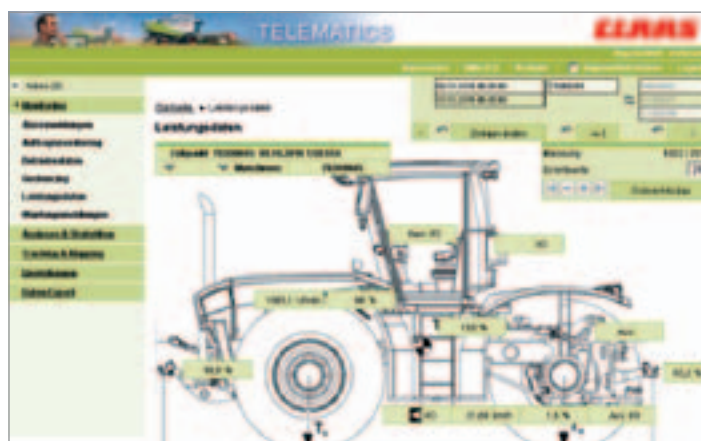


Fault analysis without machine downtime.

Thanks to TELEMATICS and CDS REMOTE, your CLAAS dealer can work with you much more closely than you might think – regardless of where you happen to be operating at any given moment.

CLAAS TELEMATICS is capable of showing current machine error messages and alarm signals online. This remote diagnostics function can be run while the machine is operating.

Specific analysis of error messages allows conclusions to be drawn about possible operating errors or upcoming repairs. In this way, downtime can be reduced significantly and you can save valuable time.



Absolutely well thought out. TRAC concept.

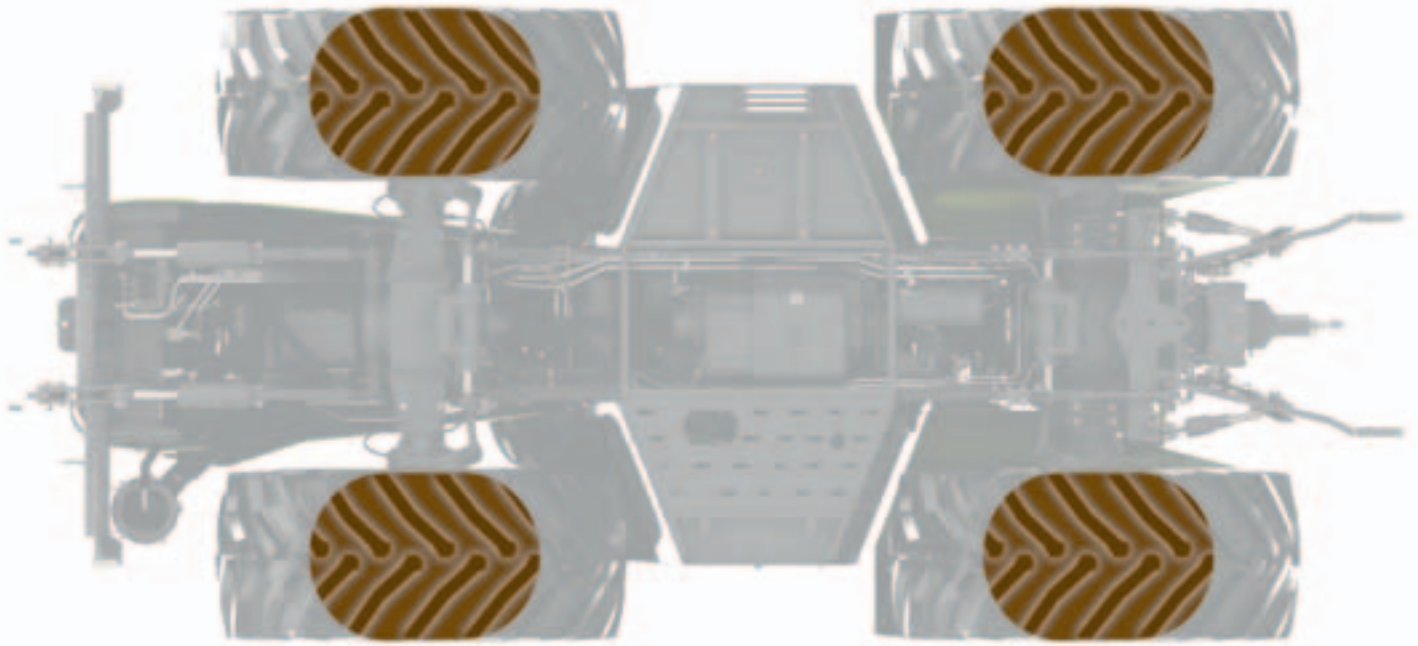
At CLAAS, we are committed to providing you with modern, high-performance machinery for innovative business set-ups. Wherever high work rates, productivity and efficiency are required, the XERION represents the perfect solution.

The XERION delivers unique benefits:

A robust, fully supportive frame supports the machine's full structure and forms the backbone of the XERION. Built for huge loads and extreme stresses, day in, day out. The four large, equal-sized tyres transfer the engine output efficiently to the ground; two steered axles; no twin tyres; permanent all-wheel drive for heavy-duty operations.







TRAC concept.

The most striking characteristics of the TRAC concept are the four large equal-sized tyres with a diameter of up to 2.16 metres. Despite the high potential overall weight of the XERION of up to

- 24 tonnes for pulling operations (up to 50 km/h) and
- 36 tonnes for carrying operations

The large contact area of the tyres ensures optimal ground protection. Tyres with dimensions of up to 900/60 R 42 efficiently convert engine output to tractive power.

The benefits for you:

- Maximum contact area at properly adjusted tyre pressure
- Reduction of wheel slip
- Minimisation of ground pressure
- Perfect traction
- Greater efficiency

TRAC concept.

Key characteristics.

Five key benefits illustrate the unique qualities of the XERION TRAC concept:

- 1 Four large, equal-sized wheels
- 2 Full frame design
- 3 Two steered axles
- 4 4x4 drive concept
- 5 Comfort

Extreme manoeuvrability, extreme comfort.

Despite its size, the XERION remains extremely manoeuvrable, thanks to intelligent four-wheel steering. A choice of gentle-on-the-ground crab steering and all-wheel steering ensures maximum manoeuvrability, with both included in all machines as standard.

The drive comfort of the spring-mounted cab hugely exceeds that of an articulated tractor. Capable of reaching speeds of up to 50 km/h on the road, the XERION's mobility outstrips anything ever seen before in this hp class.

And all within a transport width of three metres.



TRAC concept

Absolutely compact. The full frame.

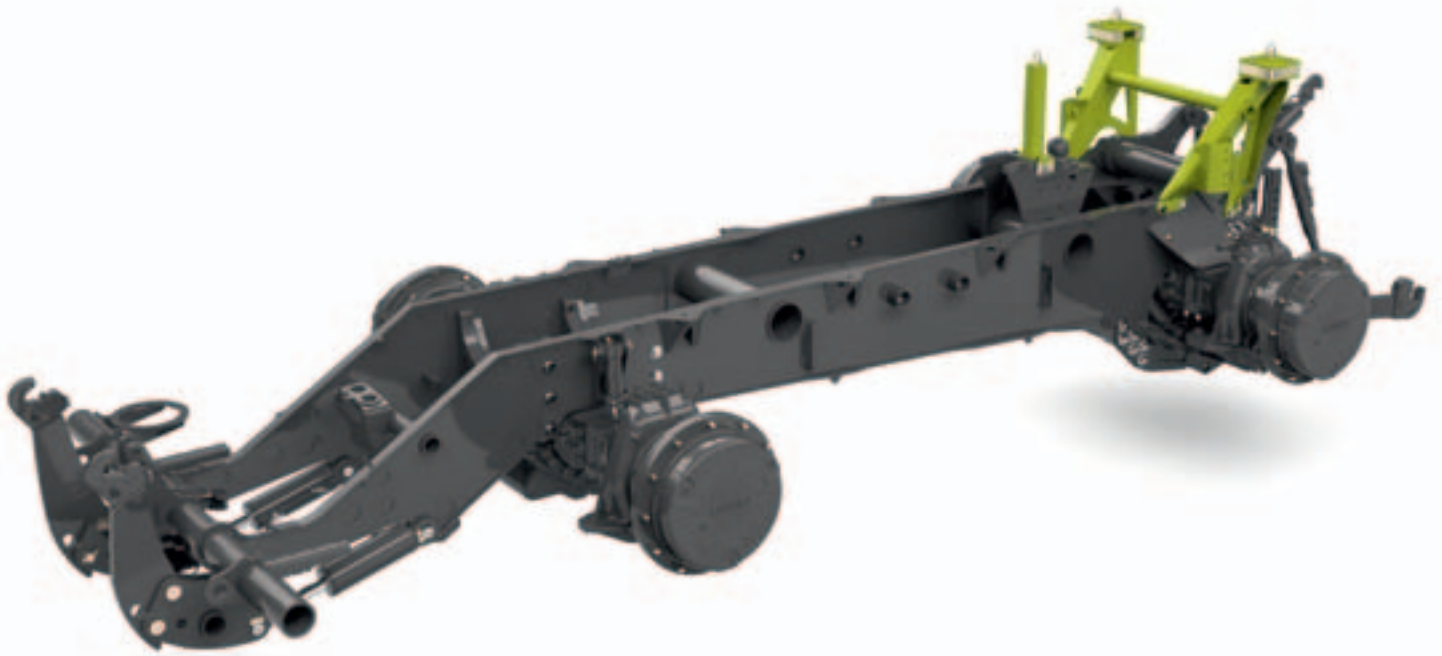
Full support frame.

The XERION has a full support frame. The engine and transmission units feature a modular construction and do not have a load-bearing function.

The mounting of components on silent blocks does more than just increase stability – maintenance and accessibility, too, are simplified and improved.

Vibrations in the cab are reduced to a minimum.





The robust full frame is designed for extreme loads. The two axles are each designed to support loads of up to 15 tonnes at 50 km/h.

Front and rear linkages are fully integrated into the chassis. This guarantees a high load-bearing capacity with attachments of up to 13.6 tonnes at the rear and 8.4 tonnes at the front.

Pivoting axle lock.

The pivoting capacity of the front axle can be restricted by two hydraulic cylinders on each side of the full frame. When working with heavy attachments, for instance, this can increase vehicle stability.

The benefits of a modular construction are self-evident:

- 15 tonnes axle load at 50 km/h
- Low-vibration cab
- Perfect accessibility
- Simple maintenance
- Long service life



The front axle can be additionally equipped with a hydraulic pivoting axle lock.

Chassis



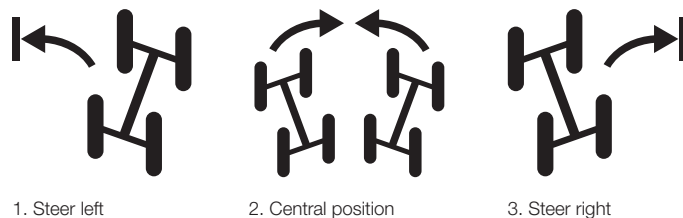
XERION steering programs.

The XERION offers the ideal steering program to suit any purpose. It provides the standard (road) steering program plus six special steering programs:

- 1 All-wheel steering: both axles are steered simultaneously
- 2 Rear-axle offset steering: the rear axle is offset to prevent slipping on slopes
- 3 Gentle mode: axles are offset to prevent multipass effect
- 4 Full crab steering: axles are offset for shuttle work
- 5 Fingertip lever steering: the rear axle is steered via the joystick
- 6 Synchronised steering: offset steering pole, e.g. exclusive rear-axle or front-axle steering

Soil protection.

Gentle mode / crab steering can be configured via CEBIS. Afterwards, it's just a matter of flicking the toggle switch.

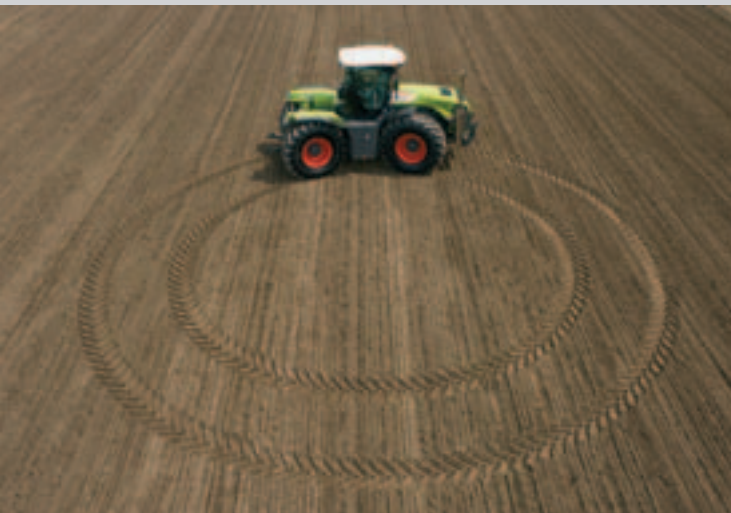


The machine turns through its characteristically tight radius while protecting the soil. The rear axle steers automatically.

Slurry application in crab steering mode also possible with GPS PILOT.



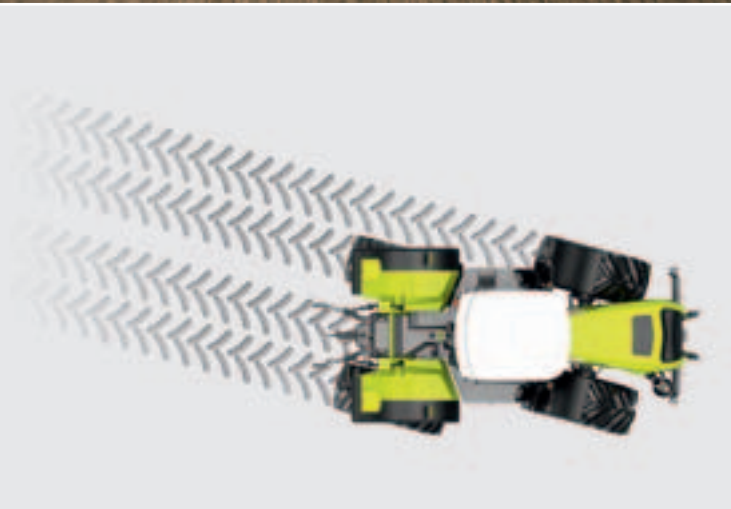
Absolutely agile. The steering axles.



Axle design.

Intelligent four-wheel steering preserves the tremendous manoeuvrability of the XERION.

- Optimal mobility
- Permanent all-wheel drive
- No front wheel lead
- 100% friction discs front and rear + automatic function
- Minimum turning radius of just 7 metres



CLAAS POWER SYSTEMS (CPS).

Optimal drive for best results.

At CLAAS, machine development means an ongoing effort to achieve even greater efficiency and reliability as well as optimal profitability in the field.

In CLAAS POWER SYSTEMS (CPS) we have brought together top-quality components to create a drive system that is in a class of its own – one that always delivers the most efficient power when needed. CPS is ideally matched to the working system, featuring fuel-saving technology that quickly pays for itself.



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Absolutely powerful. The engine.

High-performance and fuel-efficient.

Beneath the one-piece bonnet of the XERION is a high-performance, 12.5 litre, six-cylinder Caterpillar engine with charge-air cooling.

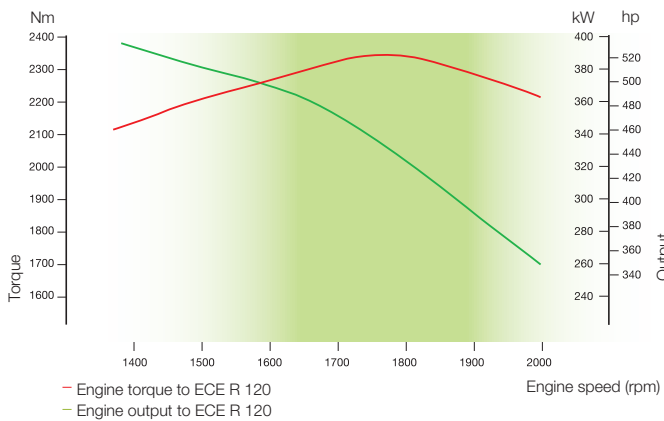
The engine meets emissions standard Stage IIIA (Tier 3) and is renowned for its performance, economy and reliability.

Two performance classes are available:

	XERION 5000	XERION 4500
Cylinders	6	6
Cubic capacity	12.5 l	12.5 l
Nominal engine speed	2000 rpm	2000 rpm
Rated output ECE R 120, 97/68/EC	358 kW 487 hp	330 kW 449 hp
Max. output ECE R 120, 97/68/EC	385 kW 524 hp	355 kW 483 hp
Max. torque	2353 Nm	2203 Nm
Fuel tank	1000 l	1000 l

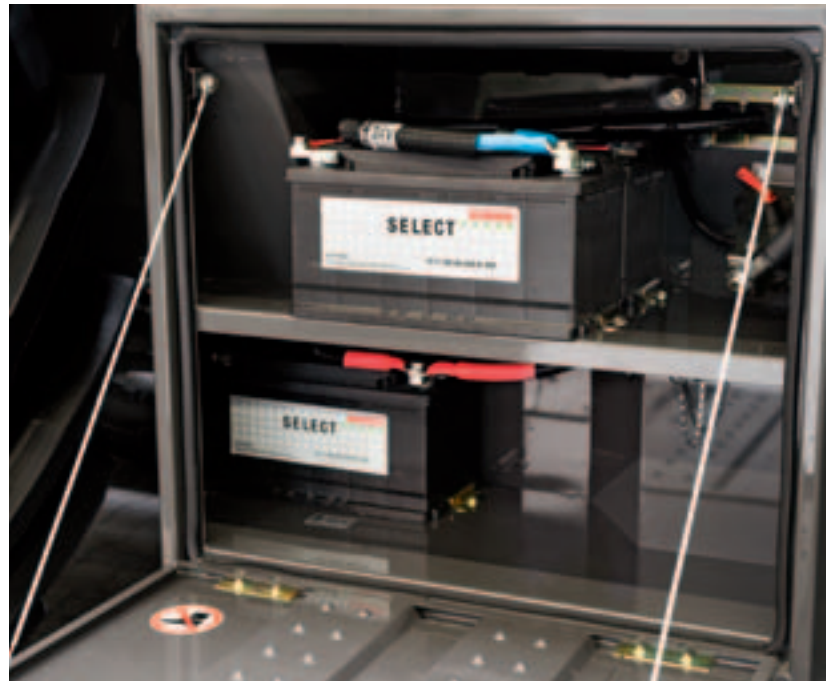
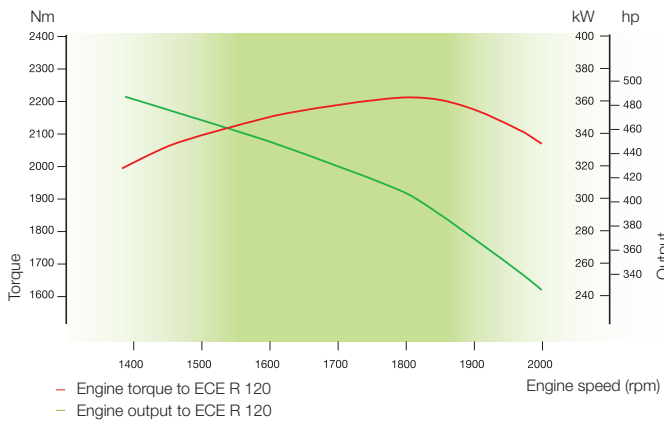


XERION 5000 engine performance curve

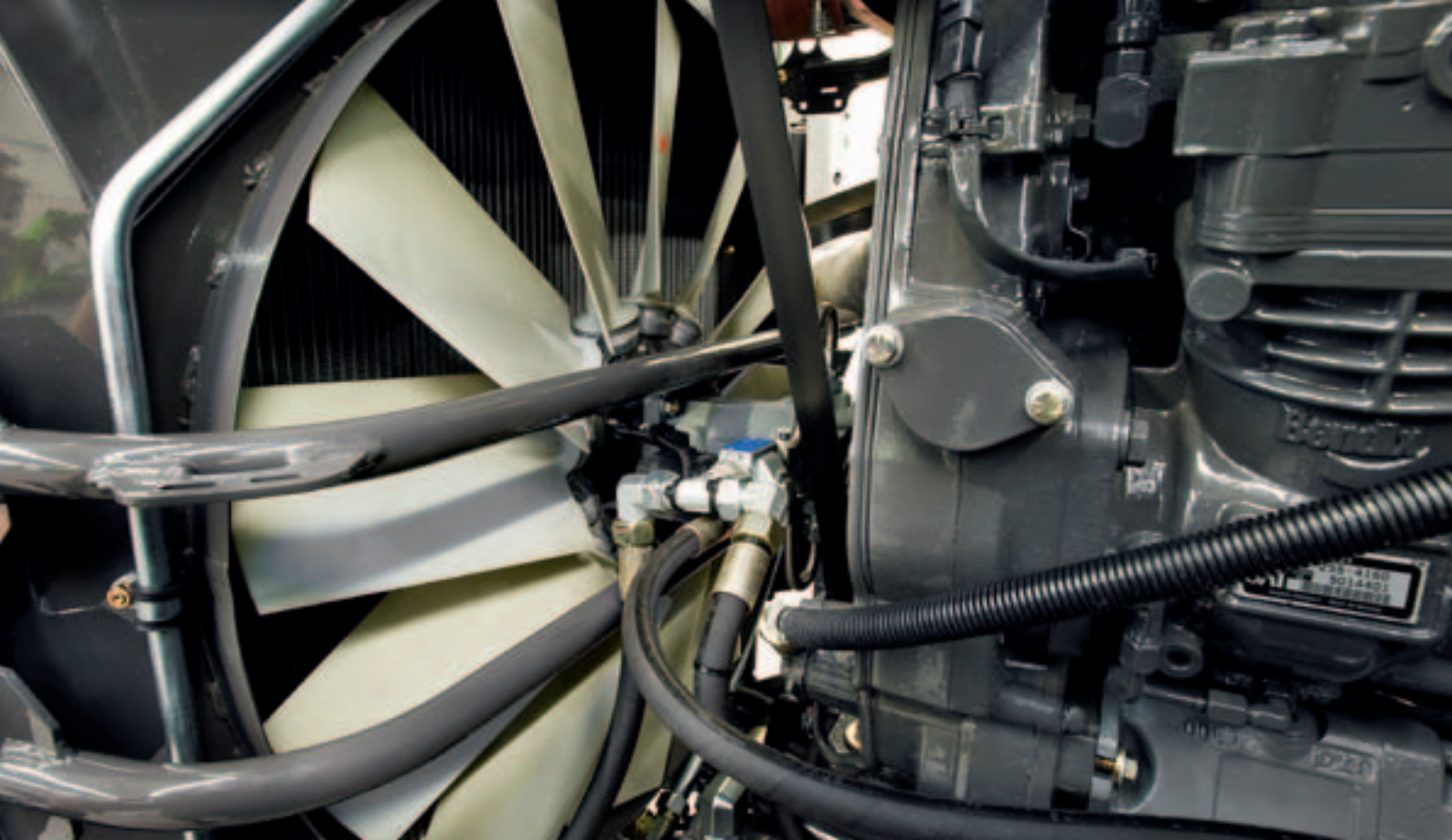


The onboard voltage network of the XERION is powered by a 24 V system. This ensures reliability and smoothness when cold-starting the engine at low temperatures.

XERION 4500 engine performance curve



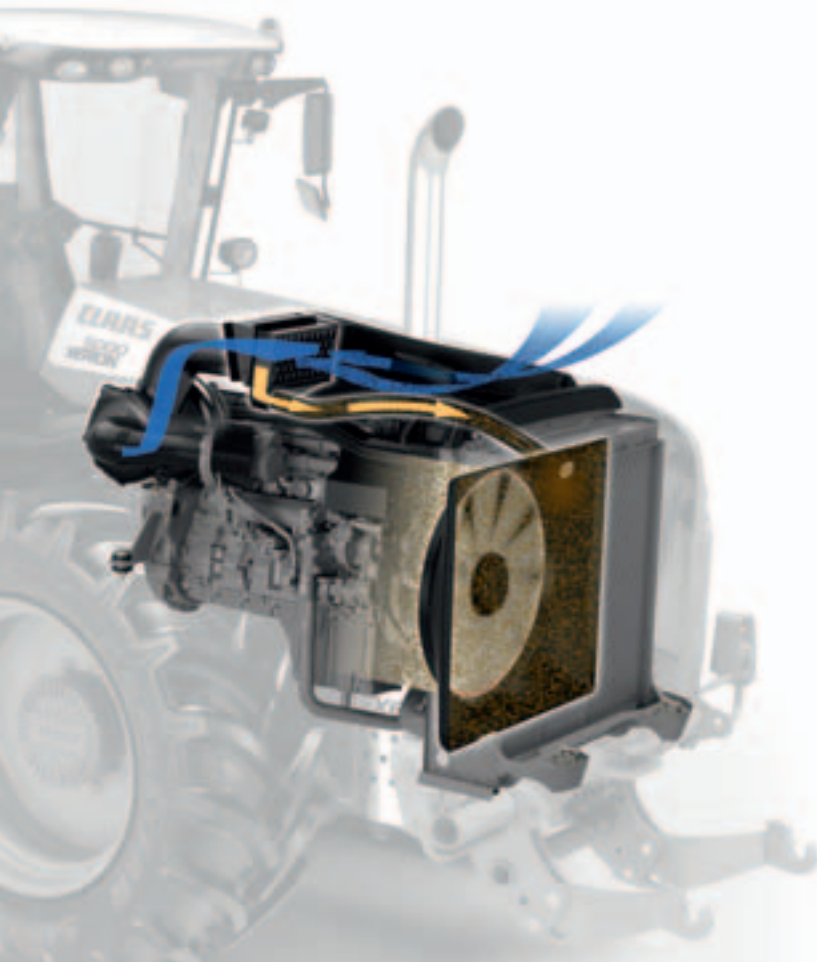
Engine



New engine air intake system.

Air is drawn into the engine via a coarse dirt separator through a grille in the bonnet. The coarse dirt particles are constantly discharged via a conduit running from the dirt separator to the engine cooling fan under the existing negative pressure.

The pretreated engine air subsequently reaches the air filter where it is further purified by the engine air filter.



The dirt particles are reliably separated by the coarse dirt separator.



Absolutely cool. The fan.

Hydraulic fan with reverse function.

The XERION can be equipped with a hydraulically variable fan with reverse function.

The fan rotation speed and the angle of the fan blades can be controlled automatically depending on engine temperature via the hydraulic drive system. This ensures that the fan operates at full power only when required, enabling efficient savings to be made with regard to engine output and fuel consumption.

The fan can be cleaned at any time at the push of a button from the cab.

The benefits for you:

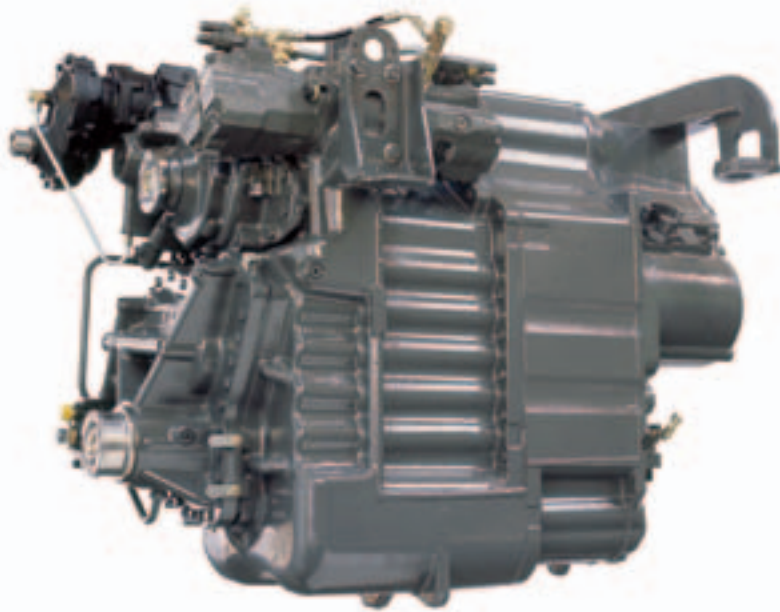
- Reduced power and fuel consumption
- Less maintenance
- Optimal fan output at any time
- No need to leave the cab to clean



The new air intake system significantly increases the service life of the engine air filter.

Fan

Absolutely robust. The transmission.



Infinitely variable over 500 hp with CMATIC.

The ZF-Eccom transmission ensures perfectly efficient conversion of built-in engine power.

- Infinitely variable transmission from 0.05 to 50 km/h (optional 40 km/h) in both directions of travel
- Permanent all-wheel drive
- Max. speed of up to 50 km/h with reduced engine speed – unique in this performance class
- Optimal engine speeds for minimal fuel consumption





Drawing on unparalleled resources.

The XERION develops its high output when using the PTO at 1,000 rpm at a reduced engine speed of just 1,730 rpm, enabling you to benefit from reduced fuel consumption at full engine output.

Available PTO stubs:

- 1¼", 20 splines
- 1¼", 6 splines
- 1⅝", 6 splines
- 1⅝", 21 splines
- 2¼", 22 splines (Ø 57.5 mm)

Absolutely strong. The power lift.

Enormous power for simplified operations.

All CLAAS developments and innovations are designed to simplify your work as greatly as possible.

The rear and front linkages of the XERION 5000/4500 are therefore not just exceptionally strong, but can also be operated extremely easily via the CMOTION multifunction control lever – enormous output at the push of a button.







Rear linkage.

The rear linkage is easily operated via the multifunction control lever, while the electronic linkage control is conveniently set via the CEBIS system.

- Continuous lifting power of 10 tonnes
- Category IV N, dual-acting
- Hydraulic side stabilisers
- Load control
- Vibration damping for comfortable travel on the road

Front linkage.

The front linkage is fully integrated into the chassis and can be controlled conveniently via the multifunction control lever.

- Continuous 8.1-tonne lift capacity
- Position control, vibration damping
- Simple, external operation



The rear and front lift linkages can be controlled externally for added convenience.

The linkage.



Front linkage operation

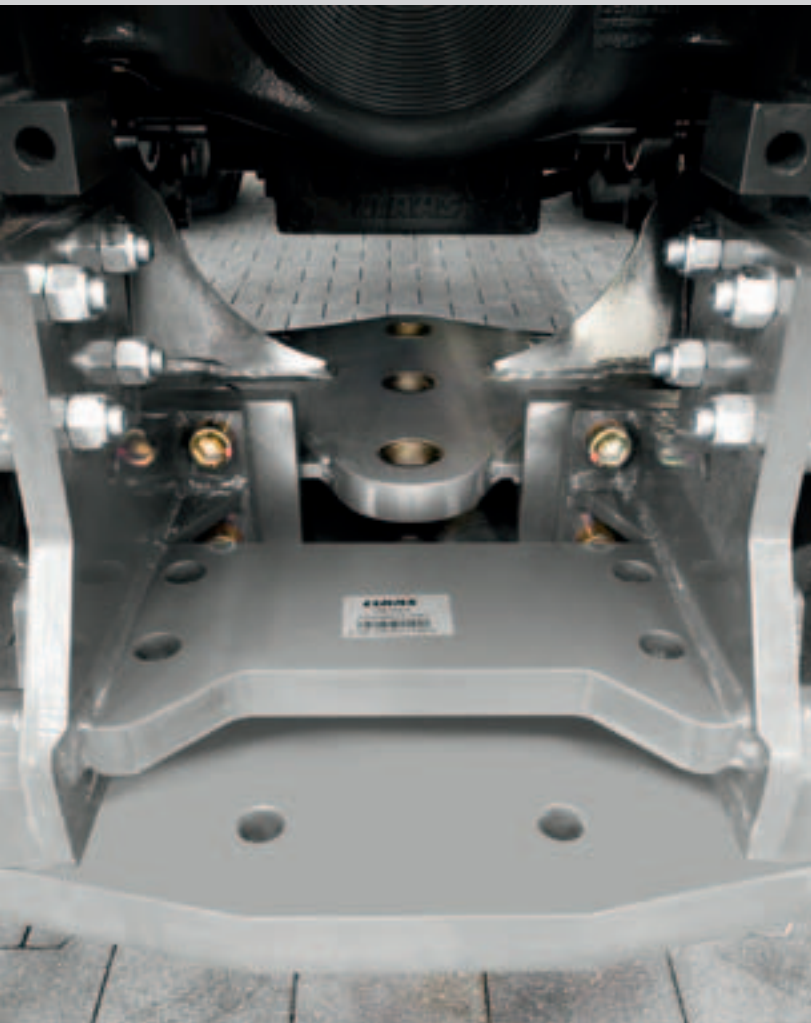
Rear linkage operation

Rear and front linkages can be controlled effortlessly using the thumb, thanks to the new CMOTION operating concept.



Linkage

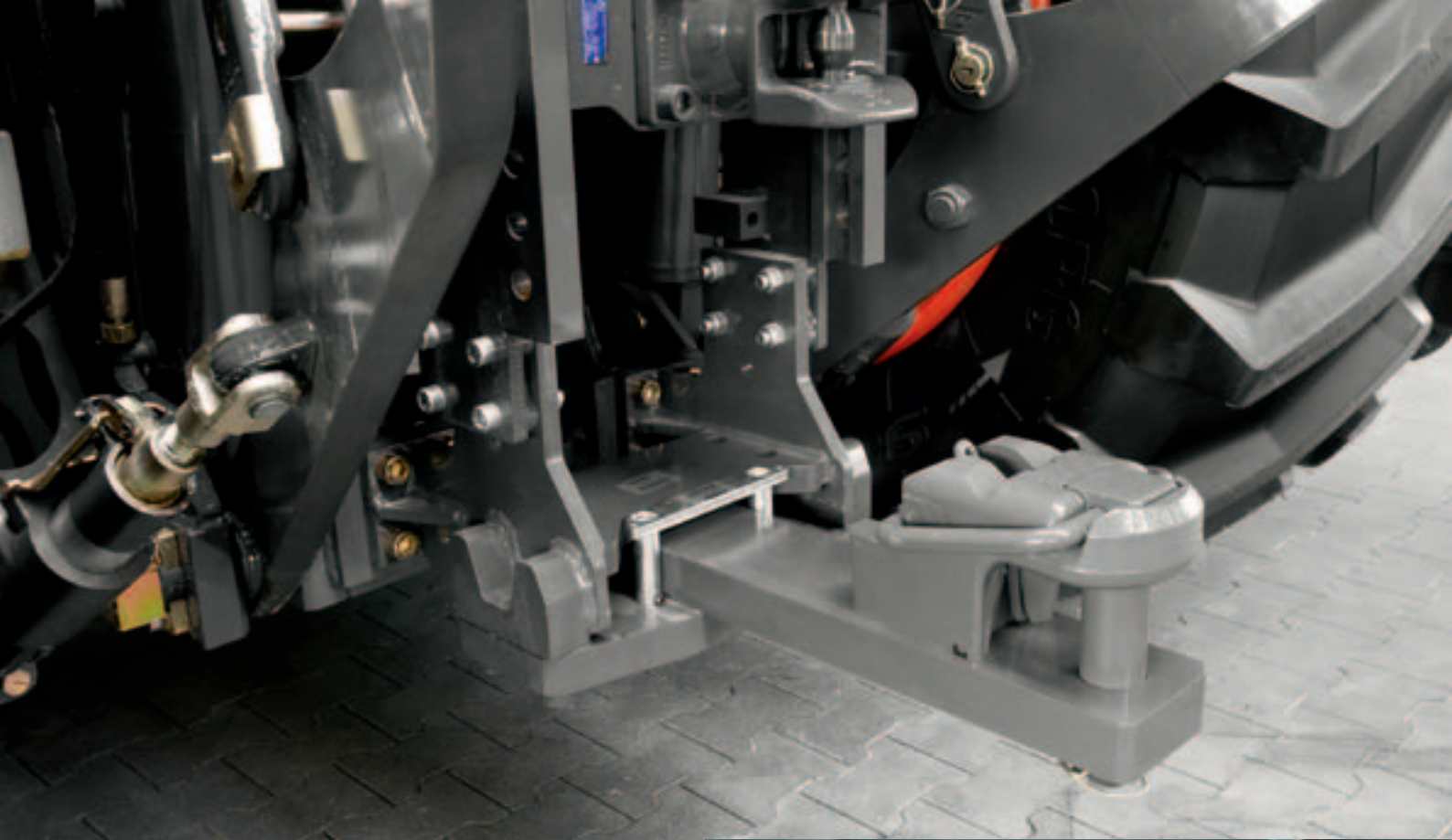
Absolutely well attached. The coupling system.



Hitching variants.

On the XERION, you have a choice between various hitching options. The drawbar length can be adjusted effortlessly in three different stages.

- Automatic hitching
- Ball system hitching (80 mm)
- D40 / D50 drawbar, variable
- Drawbar ball system (80 mm)
- Piton Fix drawbar
- 110 mm hitch ball behind cab



Ball hitch behind cab.

The proven swanneck concept for implement attachment can also be used on the XERION 5000/4500.

The 110 mm thick drawbar hitch behind the XERION cab supports a maximum tongue load of 15 tonnes, ensuring that large drawbar loads can be safely carried and that slurry application is possible with tanks of up to 30 m³ plus incorporation equipment.



Coupling system.



The XERION is equipped with two hydraulic circuits:

The primary circuit operates the linkages and spool valves, while the secondary circuit operates the oil cooler as well as the steering system and brakes. Timing and volume control are infinitely variable via CEBIS on all spool valves.

- 200 bar operating pressure at 205 l/min
- Flow rate max. 105 l/min per spool valve
- 120 litre capacity
- 80 litres drawable oil volume
- 61 kW max hydraulic output

Between three and six spool valves (max. seven spool valves without rear linkage) are available at the rear. The XERION can be equipped with two spool valves at the front. Three spool valves are available if a front linkage is not used.



The front and rear spool valves can be effortlessly operated using the external controls.

Absolutely quick. The hydraulics.

Optional power hydraulic system.

The XERION can be optionally equipped with a third hydraulic circuit. The power hydraulic system serves as the basis for further applications.

Used with a swanneck slurry tanker, this represents a fuel-saving alternative for PTO operation.

- Max. 260 bar operating pressure
- Max. 235 l/min oil flow
- Max. 90 kW output
- Ease of operation via toggle switches and ISO terminal



Absolutely flexible. The tyres.

524 hp – totally suited to road travel.

The XERION is built for comfortable travel on the road at speeds of up to 50 km/h. Even with 800-series tyres, the XERION does not exceed three metres in width.





Industrial tyres

540/80 R 38 172A8, 167D NOI	Track width 1962 mm, machine width 2512 mm	Nokian TRI 2
650/65 R 42 176A8, 171D NOI	Track width 2100 mm, machine width 2890 mm	Nokian TRI 2

Forest tyres

650/85 R 38 NOF	Track width 2132 mm, machine width 2782 mm	Nokian Forest Rider
650/85 R 38 173A8, 173B MI	Track width 2240 mm, machine width 2930 mm	Michelin MachXBib
650/85 R 38IF 179A8, 175D MI	Track width 2240 mm, machine width 2930 mm	Michelin AxioBib

Agriculture

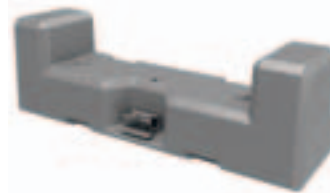
710/85 R 38IF 178A8, 174D MI	Track width 2260 mm, machine width 3000 mm	Michelin AxioBib
710/75 R 42 178A8, 175D GV	Track width 2240 mm, machine width 2975 mm	Goodyear
710/75 R 42 175D, 172E TR	Track width 2240 mm, machine width 2975 mm	Trelleborg
800/70 R 38 173D, 176A8 GY	Track width 2290 mm, machine width 3100 mm	Goodyear Optitrac R1
800/70 R 38 173A8, 173B MI	Track width 2290 mm, machine width 3100 mm	Michelin MachXBib
800/70 R 38IF 179A8, MI wide	Track width 2400 mm, machine width 3200 mm	Michelin AxioBib
900/60 R 38 172A8, 169B CO	Track width 2400 mm, machine width 3260 mm	Continental SVT
900/60 R 42 180D, 177E TR	Track width 2400 mm, machine width 3300 mm	Trelleborg



CLAAS has developed a simple ballasting concept for optimal tractive power. Individual ballast plates at both the front and rear are provided to cover a range of applications. Ease of attachment and detachment guarantees high flexibility.

Two ballasting variants are available ex factory:

- 18 t machine operational weight
- 21 t machine operational weight



1,800 kg as permanently mounted base weight.



1,800 kg as base weight for front hydraulics.



400 kg modular plate.

Absolutely well balanced. The ballasting.



The front ballast can be increased to max. 3,200 kg with up to four plates.



The baseplate for the rear ballast weighs approx. 200 kg and offers sufficient space for a maximum of eight plates.



With eight plates attached, the total weight at the rear is 3,400 kg.

Absolutely short.
The maintenance.





Fast maintenance.

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

When servicing does become due, it can be performed quickly and effortlessly, thanks to ease of access. The engine oil filter is positioned between the full frame where it can easily be accessed.

Unrivalled deployability.

- Transmission, hydraulic and axle oil change only after 1,500 hours
- Easy access to engine oil filter
- The one-piece bonnet provides easy access to all service points
- The new engine air intake system increases the service life of the filter cartridge considerably
- CEBIS indicates service status

These features combine to make daily service and maintenance tasks much easier. These measures will safeguard the value of your machine.





Round-the-clock assistance.

You can rely on the professional and dependable FIRST CLAAS SERVICE® team whenever you need us. CLAAS importers and sales partners provide optimum spare parts supply and reliable round-the-clock customer service worldwide.

We provide accurate diagnoses.

Many years of experience and the use of the most advanced diagnostic systems such as CDS enable our service engineers to pinpoint malfunctions in no time at all, and set up dependable configurations and download CEBIS updates.

We speak the same language.

CLAAS dealers are highly trained and equipped with all the specialist tools required. Just as important is the fact that they also have intimate knowledge of the workings of your farm or contractor business, and know exactly what you expect in terms of skill and reliability.

We're there where you need us.

Our central spare parts warehouse delivers all ORIGINAL CLAAS parts quickly and reliably all over the world. The extensive network of CLAAS dealers ensures that they reach their destination as quickly as possible – wherever you happen to be.

Absolutely dependable. CLAAS Service.

Service is close, even when it's far away.

With CLAAS remote diagnostics, you gain valuable time, and so do we. Our service staff have direct access via the Internet to all the performance and electronic data of your XERION, often enabling the problem to be solved remotely. If a service technician is required on site, we have all the necessary information in advance and can send any spare parts required right away.

MAXI CARE® service.

It's possible to plan for reliability and peace of mind. Maximum operational reliability combined with maximum cost security – this is the principle of CLAAS MAXI CARE®. With a range of performance packages, MAXI CARE® offers a quality of service tailored perfectly to the needs of each and every business.



FIRST CLAAS SERVICE®
MAXI CARE®

The XERION at a glance.

GPS PILOT
CLAAS TELEMATICS

Deluxe cab

CEBIS integrated in armrest
CMOTION multifunction lever

One-piece bonnet with wasp-waist design

New air intake system

Caterpillar C13 engine up to max. 524 hp

Infinitely variable hydraulic reversible fan

Front linkage with height-depth control and
vibration damping

External operation for front linkage and hydraulics
Hydraulic connections can be controlled separately





Up to 18 24-volt headlights

Simple ballasting concept for entire vehicle

110 mm hitch ball for swanneck hitching

24 V on-board network available for mounted implements

Up to six hydraulic valves, retrofitting simple and easy

External operation for hydraulics

Heavy-duty drawbar adjustable in length for high tongue loads

Hydraulic system with 205 l/min capacity

1000 rpm PTO at 1730 rpm, new 2¼" PTO shaft stub

Infinitely variable ZF transmission up to 50 km/h above 500 hp, incl. auxiliary output shaft for power hydraulics

1000 l fuel tank

Tyre diameters up to 2.16 m

The XERION at a glance

Dimensions and weight distribution.



XERION

		5000	4500
Engine			
Engine		Caterpillar C13	Caterpillar C13
Cubic capacity	cm ³	12,500	12,500
Nominal engine speed	rpm	2000	2000
Lower engine idling speed	rpm	800	800
Upper engine idling speed	rpm	2080	2080
Rated output (97/68/EC ¹)	kW/hp	358/487 at 2000 rpm	330/449 at 2000 rpm
Rated output (ECE R 120 ²)	kW/hp	358/487 at 2000 rpm	330/449 at 2000 rpm
Max. output (ECE R 120 ²)	kW/hp	385/524 at 1800 rpm	355/483 at 1800 rpm
Max. torque (ECE R 120 ²)	Nm	2353 at 1400 rpm	2203 at 1400 rpm
Fuel tank capacity	l	1000	1000
Electrical system			
AC generator	A/V	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
Transmission			
Transmission		Eccom 4.5	Eccom 4.5
Transmission type		Hydrostatic-mechanical power-splitting	Hydrostatic-mechanical power-splitting
Output		Permanent all-wheel drive	Permanent all-wheel drive
Longitudinal differential		100% lockable, lamella construction	100% lockable, lamella construction
Powered steered axles			
Differential locks		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
Parking brake		Electrohydraulically disengaged spring-loaded brake	Electrohydraulically disengaged spring-loaded brake
Hydraulic system			
Max. hydraulic tank capacity	l	120	120
Max. drawable volume	l	80	80

¹ Performance data fit criteria for admissibility. Performance as per 97/68/EC is identical to 2000/25/EC. ² Identical to ISO TR 14396

XERION

		5000	4500
Main circuit (linkage, auxiliary spool valves)			
Max. operating pressure	Mpa (bar)	20 (200)	20 (200)
Max. flow rate	l/min	205	205
Number of auxiliary spool valves		Max. 6 rear, max. 2 front	Max. 6 rear, max. 2 front
Max. flow rate per disc	l/min	105	105
Max. hydraulic output total	kW	61	61
Power hydraulic system (optional)			
Operating pressure	Mpa (bar)	26 (260)	26 (260)
Max. flow rate	l/min	224 at 2000 rpm	224 at 2000 rpm
Max. hydraulic output total	kW	90	90
Connection unit			
Automatic hitch, D38 bolts, spherical	kg	Drawbar load 2000	Drawbar load 2000
Hitch with hitch ball, ball system 80	kg	Drawbar load 4000	Drawbar load 4000
D40, D50 + Piton Fix variable drawbar	kg	Drawbar load 4000	Drawbar load 4000
Drawbar with ball system 80	kg	Drawbar load 4000	Drawbar load 4000
Hitch ball, 110 mm	kg	Drawbar load max. 15,000	Drawbar load max. 15,000
Front linkage			
Category		III N, dual-acting	III N, dual-acting
Continuous lift capacity / max. lift capacity, max. lift range	mm	81 kN / 84 kN / 905	81 kN / 84 kN / 905
Shifting function		Raising, lowering (pressing)	Raising, lowering (pressing)
Control function		Position control, vibration damping	Position control, vibration damping
Rear linkage			
Category		IV N, dual-acting	IV N, dual-acting
Continuous lift capacity / max. lift capacity, max. lift range	mm	100 kN / 136 kN / 763	100 kN / 136 kN / 763
Shifting function		Raising, lowering (pressing)	Raising, lowering (pressing)
Control function		Locational/tractional resistance, vibration damping	Locational/tractional resistance, vibration damping
Dimensions and weights			
Overall length including power lift	mm	7493	7493
Overall width	mm	Min. 2490 to 3300	Min. 2490 to 3300
Overall height depending on tyres	mm	3651 to 3801	3651 to 3801
Wheelbase	mm	3500	3500
Ground clearance depending on equipment	mm	375 to 525	375 to 525
Smallest turning circle	m	15	15
Tare weight (fuel tank full, with driver)	kg	17,230	17,230

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.

Outstanding features.

- Infinitely variable transmission over 500 hp
- 50 km/h for rapid transfer between fields
- Fully road-compatible in all European countries
- Four equal-sized tyres with widths up to 2.16 m diameter (710 + 900 series) for perfect traction
- Large range of options for optimal customer-specific application
- New ergonomic operating concept with innovative multifunction lever
- Full output potential at low engine speeds for fuel optimisation
- New 2¼" PTO stub shaft for efficient power transfer
- Easy-to-adjust ballasting for optimal vehicle use
- TELEMATICS to monitor operation and servicing

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