



***XERION***

***12.650 | 12.590 | TERRA TRAC | TRAC***

***CLAAS***



# Strength is more than power.

Up to 650 horses and so much more.

Stronger on profitability.

Stronger on tractive power.

Stronger on comfort.

Stronger on assistance.

The new XERION 12 Series.



## Contents

stronger on profitability	4
stronger on tractive power	6
stronger on comfort	8
stronger on assistance	10
CLAAS Service & Parts	12
Drive train	14
Mounting points and ballasting	18
Comfort cab	20
Digital solutions	22
Seed Green fleet	24
Technical data	26



Discover how the XERION completely redefines  
the top-of-the-range tractor segment up to 650 hp.  
[xerion.claas.com](http://xerion.claas.com)



▼ No one knows your farm and its figures better than you. The new XERION helps you further improve your results and boost your profitability.  
Page 22



► With our customisable service, parts and warranty packages, you can always count on maximum operational reliability. CLAAS Service & Parts is there for you whenever you need it.  
Page 12



▼ Your operations run more efficiently and profitably with high-performance machines from CLAAS  
Page 24



▲ An engine oil change only once every 1000 operating hours greatly reduces downtimes.  
Page 12



CEMOS makes good operators even better.  
ceмос.claas.com

▲ The CEMOS assistance system is designed to increase your profitability. It optimises your machine settings, increases area output and reduces fuel consumption.  
Page 22



## Stronger on profitability.

The XERION 12 Series has been developed with reliable and efficient technology designed to save you time, reduce your costs and improve your operating results. With its durable, high-performance CMATIC transmission, proven Mercedes-Benz engine and customisable service packages tailored to your needs, the new XERION allows you to work round the clock with complete peace of mind.

- Help with calculating the total cost of ownership ensures cost transparency
- CLAAS service and warranty packages (24/7/365) provide complete peace of mind
- Engine oil change interval of 1000 operating hours and reliable 15.6-litre Mercedes-Benz engine reduce downtimes
- The CEMOS assistance system delivers cost savings
- Intelligent engine and transmission management ensures fuel efficiency
- With the XERION 12.650, CLAAS is the only manufacturer to offer a tractor with continuously variable transmission in the 650 hp segment
- A Seed Green fleet gets more done and offers several worthwhile advantages: unique control concept, familiar user interface, CLAAS connect networking, reliable CLAAS Service



▲ Power to the ground: the robust drive train efficiently converts engine output to tractive performance.  
Page 14



▼ With crawler tracks or dual tyres – the stronger tractive power of the XERION will blow you away. The reliable CMATIC transmission transfers the force straight to the axles.  
Page 16



Discover how the XERION tackles the toughest of draught work.



▲ The XERION TRAC is the only tractor in this segment with 800/70 R42 dual tyres.  
Page 16



▼ »The TERRA TRAC crawler tracks developed by CLAAS specifically for the XERION efficiently transfer power to the ground while protecting the soil.«  
Sebastian Wagemann,  
Head of R&D TERRA TRAC  
Page 16



## Stronger on tractive power.

The new XERION is designed to tackle even the toughest of draught work efficiently. With a hydraulic output of up to 537 litres per minute, continuously variable CMATIC transmission with the low-engine speed concept launched in 2009 and further refined for this latest XERION generation, and the intuitive CEMOS assistance system, you'll achieve amazing results.

- Tractive power with 653 hp / 3100 Nm or 585 hp / 2850 Nm
- Efficient power output and maximum torque at low engine speeds
- Hydraulic output of up to 537 l/min with three hydraulic pumps and eight spool valves
- 42" dual tyres for maximum contact area and enhanced power transmission
- CLAAS TERRA TRAC crawler tracks for efficient, soil-friendly transfer of power to the ground
- CEMOS and the CLAAS modular ballasting concept for optimum distribution of weight on both axles, whatever the application
- Proven full-frame construction ensures long service life and protects the vehicle even under high loads

▼ At 537 litres per minute, even at low engine speeds the XERION delivers enough oil to operate the most demanding implements with exceptional efficiency.  
Page 19



▼ CEMOS helps the operator find the right machine settings for every type of field work.  
Page 22



▼ The modular ballasting concept makes it easy to adjust the ballast to the task and so ensure that the XERION is only ever as heavy as it needs to be.  
Page 18







## Stronger on comfort.

Experience the unrivalled comfort of the new XERION. The largest cab in the premium segment combines a new sense of space with ample fixtures and fittings. In addition, various cab enhancements and a fully adjustable seat provide an optimum all-round view. An intelligent damping system and the continuously variable CMATIC transmission ensure maximum driving enjoyment – and thus optimum results.

- Advice from your local CLAAS dealer
- Rapid availability of ORIGINAL parts and services for peace of mind
- Integrated exhaust system, slender cab frame, powerful 360° lighting package and fully adjustable seat for best all-round view
- Range of footrest options for more legroom
- Four-point cab suspension, rigid frame concept and an integrated damping system in the crawler track assembly redefine driver comfort
- Rapid 40 km/h at only 1400 rpm with the TERRA TRAC crawler tracks and 50 km/h with the wheeled version at a fuel-efficient 1800 rpm.
- Continuously variable CMATIC transmission reduces the driver's workload

▲ Rapid availability of ORIGINAL parts and services gives you peace of mind.  
**Page 12**

▼ The perfectly balanced four-point cab suspension makes long working days more comfortable and allows the driver to exploit the machine's full potential without tiring.  
**Page 21**



▲ Perfectly attuned to the needs of the operator, the XERION cab offers almost 4 cubic metres of space – making it the largest in the premium segment. This means considerably more legroom, ample space for larger drivers and a wide choice of storage areas.  
**Page 20**

▶ Ingo Kirchbeck, Product Manager XERION, works on cab development with drivers from all over the world.  
**Page 21**



▼ For us, comfort means more than just a seat or a damping system. Comfort begins with your CLAAS dealer, who offers advice and service tailored to your needs.  
**Page 12**



▼ Up to 22 work lights illuminate your work area with 53,400 lm – giving you the perfect all-round view of field and implements.  
**Page 21**



▲ The unique integrated damping system in the crawler track assembly provides an excellent level of ride comfort  
**Page 21**





▼ The future of farming is digital. Machine connect links the XERION to all CLAAS digital services. So you can use the CLAAS connect platform to keep track of key telemetric data such as tank fill levels, location and operating hours.  
Page 22



▼ CEMIS 1200 means automatic steering, ISOBUS control and task management rolled into one. You can use the terminal on any CLAAS machine that has been set up in advance.  
Page 22



▼ Plan your tasks in your farm management software and transfer them to the XERION along with field boundaries, reference tracks and applications maps.  
Page 22



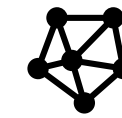
▲ The CLAAS connect app gives you easy access to all CLAAS solutions so you can manage your business successfully.  
Page 23



▲ CEMOS enables even inexperienced drivers to operate both tractor and implement as efficiently as possible throughout their entire shift. The operator assistance system offers continuous guidance – from ballasting and tyre pressure before you start work, to optimising the engine and transmission settings while work is underway.  
Page 22



▼ With CEMOS you can be sure of optimal traction and soil protection in the field. It enables you to increase the area output, improve the quality of your work and reduce fuel consumption by up to 16.8%, according to the DLG test report.  
Page 22



## Stronger on assistance.

The XERION provides the best possible assistance for your drivers in the field. At the same time, digital solutions from CLAAS help you optimise your business operations. With the new CEMIS 1200 terminal, you can use efficient online task management as well as the GPS PILOT steering system. The dialogue-based CEMOS assistance system helps you continuously optimise your tractor while work is underway.

- Extensive support in the field and on the farm with CLAAS digital solutions
- Quick and easy adjustment of basic settings via the CEBIS terminal
- Time-saving remote transfer of tasks in the CEMIS 1200 terminal
- Intuitive navigation with the familiar CLAAS user interface
- Relaxed control with the ergonomic and intuitive CMOTION multifunction control lever
- Maximum efficiency with the user-friendly CEMOS assistance system
- Complete control on the job or in the office with CLAAS connect



# Whatever it takes. CLAAS Service & Parts.

Low maintenance costs and customisable service, parts and warranty packages give you total peace of mind. We are there for you – round the clock, 7 days a week, 365 days a year – so you can put your worries aside and count on maximum operational reliability in your day-to-day work.

The figures speak for themselves. Twenty five years' experience in developing large tractors. Dealership networks on five continents. Rapid delivery of 200,000 parts worldwide. A shared belief: strength is more than power.

## Expertise just around the corner.

Wherever you are – your skilled CLAAS Service partners are on hand in your local area, ready to support you and your XERION around the clock. With know-how, experience, commitment and the best technical equipment.

## A XERION is undemanding.

The machine does whatever it can to minimise downtimes. Take the engine, for example; it needs servicing only every 1,000 operating hours. Engine oil and cab air filters are easy to access, and the one-piece bonnet provides easy access to all service points.



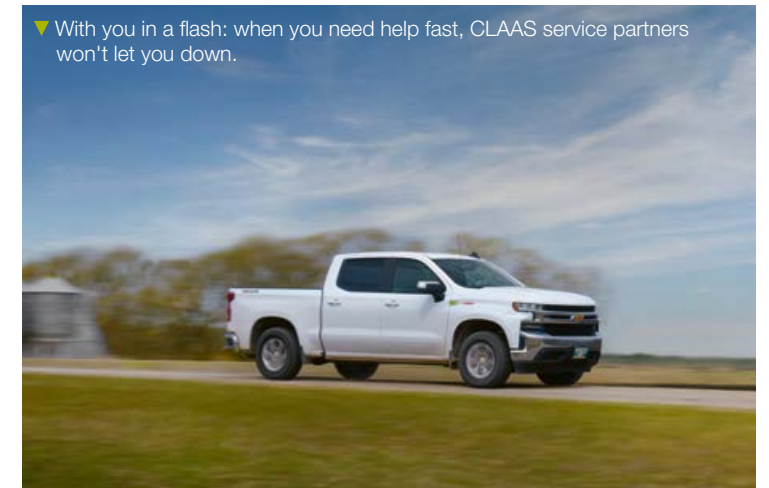
Maintenance  
maintains the  
value.

◀ Stronger on comfort? It all begins with your CLAAS dealer. They offer advice tailored to your needs, supply you with ORIGINAL parts and guarantee rapid availability of services.

▲ XERION 12.590  
- One-piece bonnet > rapid access  
- 1000-hour interval > reduces downtime  
- Reversible fan > simplifies radiator cleaning  
- Easy access to all filters > saves time



▼ With you in a flash: when you need help fast, CLAAS service partners won't let you down.



## MAXI CARE connect simplifies servicing.

MAXI CARE connect plays an important role in ensuring the operational reliability of your machines. The machine informs the service partner of an upcoming maintenance requirement or notifies them immediately if a fault arises. The service partner has access to the relevant data, so they are ideally prepared to intervene in both scenarios.

## MAXI CARE provides all-round protection for your machine.

Few factors are more crucial to the success of your business than the reliability of your machines. Which is why we offer transparent and predictably priced service products for your CLAAS machine.

## CLAAS delivers worldwide.

The CLAAS Parts Logistics Center stocks almost 200,000 different parts on an area overing over 183,000 m². This central spare parts warehouse delivers all ORIGINAL parts quickly and reliably all over the world.

CLAAS Service & Parts  
is there for you 24/7.  
[service.claas.com](http://service.claas.com)





# All the muscle you could wish for.



653 hp > tractive force  
CMATIC > ride comfort



▲ XERION 12.650 TERRA TRAC  
- 6-cylinder Mercedes-Benz engine  
- 15.6 l cubic capacity  
- 3100 Nm torque



[ceмос.claas.com](http://ceмос.claas.com)

## Unique in the market.

CLAAS is the only manufacturer to offer a continuously variable transmission for tractors up to 650 hp in the premium segment. And even inexperienced drivers can operate these machines efficiently. CEMOS is on hand to help you to find the optimum machine settings. According to the DLG test report, it enables you to make fuel savings of up to 16.8% during tillage work.



▼ A LEXION needs a strong partner. Smoothly cushioning the bumps, the XERION can tow the fully loaded chaser bin quickly off the field on undulating terrain.



CEMOS makes good operators even better. The assistance system takes full advantage of the potential of the XERION, streamlining every task and optimising fuel-efficiency.

Power when you need it. CLAAS POWER SYSTEMS combines a powerful 6-cylinder Mercedes-Benz engine with a robust drive train. The XERION 12.650 delivers its enormous torque of 3100 Nm even in the low engine speed range – ensuring maximum performance with minimum fuel consumption. This level of efficiency pays off every single day of use. Then there's the continuously variable CMATIC ride comfort, which is so much fun that many a driver is tempted to extend their working day!

## Horsepower equals efficiency.

The XERION features the latest-generation Mercedes-Benz engines. Thanks to the CLAAS low engine speed concept, the 6-cylinder in-line engines achieve their maximum torque at just 1,300 rpm and feature a constant torque curve. This ensures that they have sufficient reserves for any application and attain high area outputs while saving on fuel.

XERION		12.650	12.590
Performance	kW / hp	480 / 653	430 / 585
Cubic capacity	cm³	15.6 l	15.6 l
Torque	Nm	3100	2850

## Power equals efficiency.

In combination with the chassis, the continuously variable CMATIC transmission converts engine power to impressive tractive performance. The linear drivetrain ensures that engine output reaches the axles by the most direct route.

Make the most of outstanding driving comfort from 0.05 to 50 km/h. The drive pedal and multifunction control lever are designed for simple and intuitive operation. The ground speed automatically adapts to the conditions in the field and on the road.



A powerful engine doesn't just promise more torque and greater power reserves. It also delivers more tractive power and thus increases area output day after day.



# Crawler tracks or dual tyres. Your soil will appreciate both.

The XERION transmission converts high engine power to enormous tractive power. Its chassis is designed to deliver power to the ground. There are two options to choose from: with crawler tracks developed specifically for large tractors, the XERION TERRA TRAC transfers power to the ground gently yet effectively, while the XERION TRAC with 800/70 R42 dual tyres offers the largest contact area in this tractor segment.

The soil is your farm's greatest asset. To keep it healthy and avoid damage, you need high-performance machines that are gentle on the soil.

## Built for extreme loads.

The unique frame construction with two steered axles gives the XERION enormous stability and the driver exceptional ride comfort. The heavy-duty axles are designed for maximum load capacities at up to 50 km/h. And it's precisely because of these two steered axles that the XERION remains agile and manoeuvrable despite its size.

## Crawler tracks for maximum tractive performance.

Over the last 35 years we have continuously refined the TERRA TRAC concept. Today the XERION uses the latest CLAAS crawler tracks developed for large tractors. The belts are available in two widths: 914 mm or 762 mm. The 762 mm track belt keeps the width of the entire vehicle under three metres. The 2.15 m tall dual tyres give the XERION a massive contact area that is unrivalled in this tractor class. The tyres are available in sizes ranging from 710/70 R42 to 800/70 R42.

## Short transfer times at 40 or 50 km/h.

The XERION TERRA TRAC reaches a speed of up to 40 km/h at just 1,400 rpm – handy when you need to transfer rapidly from one field to the next. The TRAC with dual tyres is even faster, with a top speed of up to 50 km/h. No other tractor of this size can match this road speed. What's more, the TRAC reaches its top speed at a fuel-efficient 1,800 rpm.

## More flexible steering.

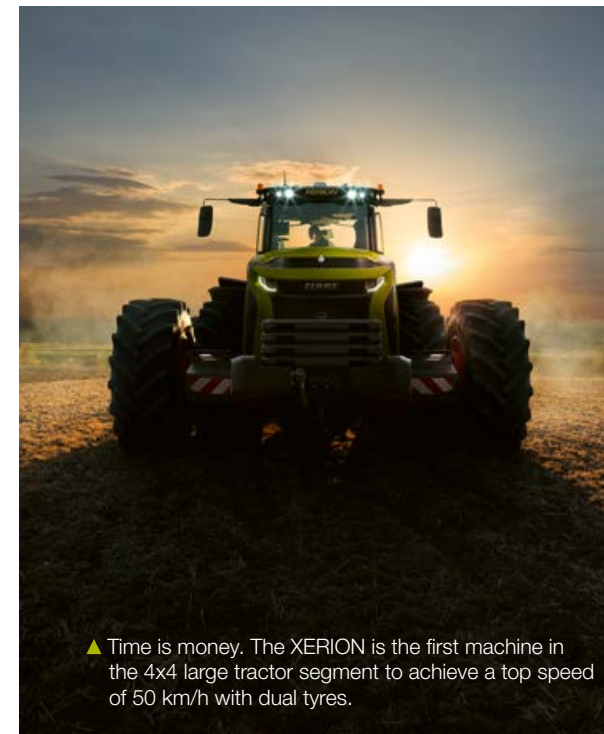
You can control the XERION with standard or DYNAMIC STEERING. The standard steering system controls the steering with the rear axle according to the speed. This allows you to steer safely and comfortably at higher ground speeds. With DYNAMIC STEERING you can reach full lock at the headland with just a few turns of the steering wheel. With four-wheel steering both axles always steer synchronously for speed and manoeuvrability on the field.



 25 years of  
TERRA TRAC.

»We designed a triangular crawler track specifically with the new XERION in mind. The distinctive shape guarantees optimum power transmission. The uniform load transfer along the entire length of the track belt minimises ground pressure.«

Sebastian Wagemann,  
Head of R&D TERRA TRAC



▲ Time is money. The XERION is the first machine in the 4x4 large tractor segment to achieve a top speed of 50 km/h with dual tyres.



◀ A top speed of 40 km/h. You can get around quickly in the XERION TERRA TRAC – and cut time wasted on the road significantly.



◀ Two belt widths (914 mm or 762 mm) guarantee maximum ground protection. With the narrower track belts, the overall width of the XERION is less than 3 m.



▲ XERION 12.650 TERRA TRAC  
- Tough in the field, gentle on the soil  
- Four crawler track units  
- Uniform tractive force distribution  
- High ride comfort



# You've never been more productive.

Formidable 653 hp, intelligent continuously variable CMATIC transmission, unrivalled 537 litre hydraulic output – the XERION 12 Series is equipped to tackle the toughest applications. On top of that, there's an intelligent ballasting concept which works with CEMOS to suggest the most efficient combination of weights for the job in hand. So you can rest assured that whatever the application, the machine is only ever as heavy as it needs to be – ensuring that you get the most out of your combination on one tank of fuel. This is what makes the XERION so strong on profitability too.

## The right ballast saves fuel.

In the field, the need for ballasting decreases as the ground speed increases. As a result, 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 precisely adjust the ballasting at the front and behind the cab to suit the task. So you can deploy the full power while protecting the soil, thanks to optimal axle load distribution. And it's easy to add and remove weights.

## Power enough for any job.

The optional rear linkage can effortlessly lift up to 13.6 t (10 t continuous lift capacity). When running at 1,000 rpm, the PTO develops its output at a reduced engine speed of 1,800 rpm at 50 km/h.

50 / 50%



Add ballast to a total weight of 30 t.

- ▼ XERION 12.650 TRAC
  - Customised ballasting
  - Maximum ground contact area
  - Efficient tractive performance
  - Overall weight up to 30 t

Less ballast, less soil pressure, lower costs. CEMOS recommends the required ballasting and optimum tyre pressure before the driver has left the farmyard.



▲ With continuous 10 t lift capacity at the rear, the XERION is equipped for any challenge.



## Tips for perfect ballasting.

A good weight distribution with a flexible ballasting concept offers you maximum traction and reduces fuel consumption in the field.

»With flexible ballasting you can lighten the XERION for working at high speeds and quickly add ballast for the heaviest draught work. It's a good idea to estimate in advance the speed at which you plan to work with the attached implement. On a recent job we needed the full 28 t maximum vehicle weight at 9 km/h, but at 12 km/h we needed only 21 t. This example shows that if you ballast for a speed of 9 km/h and then work at 12 km/h, you're carrying almost 7 t of excess ballast – which has a noticeable effect on fuel consumption.«

Jonas Knoche,  
Sales Trainer Tractor

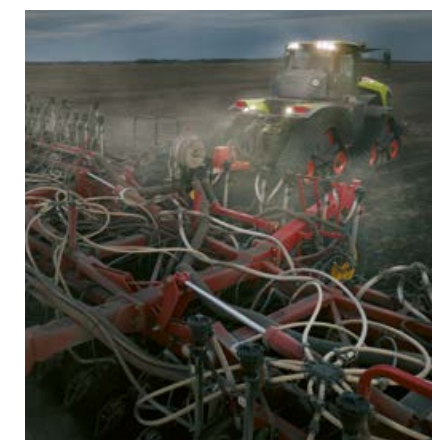
## Unrivalled hydraulic capacity.

Up to three hydraulic pumps and eight spool valves deliver a maximum of 537 litres per minute. That's unrivalled in this segment. So even at low engine speeds, the XERION delivers enough oil to operate complex implements efficiently. Power Beyond connections with large-diameter lines maximise flow.

The hydraulics are easy to control with the CMOTION multifunction control level. You can assign all ten function buttons to individual hydraulic functions.

## Extremely robust drawbar.

All drawbar variants are designed for a drawbar load of up to 5 t. You can choose between category 4 (50 mm) or category 5 (70 mm) pins. The drawbar ensures that a sufficient distance from the crawler tracks or tyres is maintained, whatever the task.



▲ The largest hydraulic specification with up to 537 l/min and eight spool valves offers you the highest level of flexibility and efficiency on the market.



# Comfort translates power to productivity.

The better you feel, the more productive your working day. So make yourself comfortable and get going. The XERION will support you with an intuitive control concept, customisable operator assistance systems and four-point cab suspension.

A new sense of space in the largest cab in the premium class. Long working days have never been so enjoyable.

## Enhanced comfort improves performance.

The XERION cab – the largest in the premium sector – provides a new sense of space and more than enough room for all your needs. It boasts an excellent all-round view and pleasingly low noise levels. On top of that, you'll find comfortable seats, heated windows and ample storage space. With the CEBIS touchscreen and ergonomic CMOTION multifunction control lever built into the armrest, you can operate the machine almost without lifting a finger.

- ▼ XERION 12.650
- 4 m³ cab > plenty of space for larger drivers
  - Slender cab pillars > 360° all-round view
  - 4-point cab suspension > total relaxation
  - CMOTION multifunction control lever > intuitive operation



## Three-finger operation.

Even inexperienced drivers will find the XERION easy to operate. You can control it intuitively using the CMOTION multifunction control lever and the CEBIS touchscreen built into the armrest. Complex operations can be performed using just your thumb, index and middle finger. CEMOS helps you optimise the machine settings.

The new CEMIS 1200 terminal is also within easy reach. It supports you with track guidance, ISOBUS applications and task documentation.

## Turns night into day.

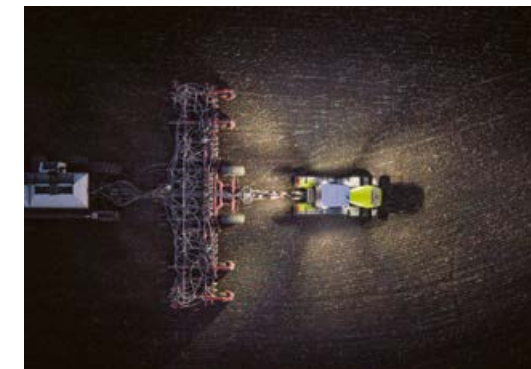
High-end lighting packages with up to 22 work lights flood your working area with light as bright as day – so you always have a perfect view of field and implements.



▲ User-friendly operation, intuitive machine settings and unmatched ease of use with the CEBIS on-board information system and CMOTION multifunction control lever.

»When we refine one of our cabs, we work with operators all over the world. Together, we take the important decisions relating to comfort and operation.«

Ingo Kirchbeck,  
Product Manager XERION



◀ The high-end lighting package with up to 22 LED headlight provides 53,400 Lumen to illuminate your working area in a 360° radius.



◀ The suspension concept – from the damping capabilities of the crawler track assembly to the 4-point cab suspension and the sprung premium seat – makes the XERION an exceptionally comfortable ride.



# The XERION is built for the future.

The future of a farming is digital, the benefits are here-and-now. Digital solutions make you more precise in the field, more productive at work and more efficient at job processing. Day after day, you work with optimal machine settings, benefit from rapid service and record fewer downtimes. That's how you capitalise on the full potential of your machines and systems.

## Digitalisation makes your day-to-day work easier.

### More support in the cockpit.

CEMOS is the only system of its kind on the market to optimise the performance of both the tractor and attached implements directly. It helps the operator with ballasting and makes recommendations for all the important settings.

This helps to ensure optimum traction and soil protection at all times. With CEMOS you can increase your area output, improve the quality of your work and reduce your fuel consumption by up to 16.8%, according to the DLG test report.

### Take it easy at the headland.

The headland management system takes the load off you during all turning manoeuvres in the field. In CEBIS you can record recurring operating sequences and then run them at the touch of button, leaving you free to concentrate on the job and your surroundings.

### Better connected with Machine connect.

Use the full scope of CLAAS connect by networking your XERION with Machine connect. This gives you an overview of tank fill levels, locations, operating hours and maintenance schedules in real time. What's more, you can take advantage of other digital CLAAS Services such as CLAAS TELEMATICS and MAXI CARE connect.

### More precision with GPS PILOT CEMIS 1200.

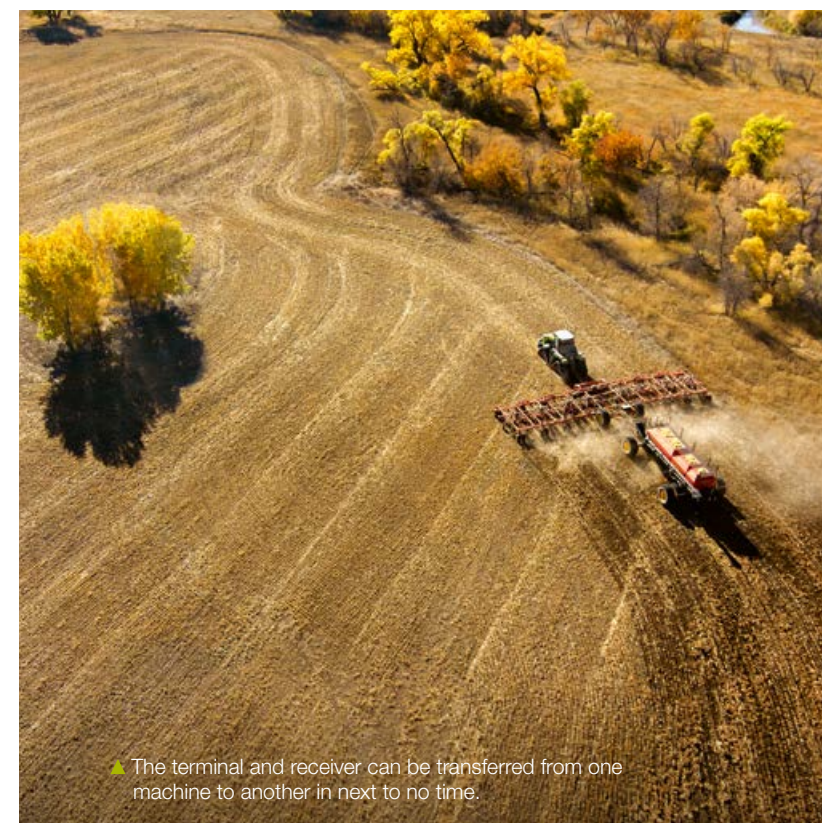
The CEMIS 1200 terminal is the perfect all-rounder for every agricultural application. It includes an automatic steering system which will make your XERION feel like it's running on rails. The automatic steering system is controlled intuitively via CEMIS 1200 and assists you with any task that requires a high level of pass-to-pass accuracy. You can also use CEMIS 1200 to control all ISOBUS implements and for data exchange and task management. The system can be used on any CLAAS machine that has been set up in advance.

With CEMIS 1200 and the Machine connect licence, you can do your task management online with just a few clicks. Plan your tasks in your farm management software and transfer them to the XERION either directly or via TELEMATICS. The operator has all the tasks in sight and can quickly send the data back to the office via Machine connect on completion.

»Your whole fleet fits in your trouser pocket. With CLAAS connect you can go from your field or farmyard to your machines, applications and configurations in just one click.«  
Bernadette Wullengerd,  
Product Marketing Manager Digital Solutions



- ▲ XERION 12.650
- CEMOS > eases the workload
- GPS PILOT CEMIS 1200 > precision
- ISOBUS universal terminal > overview
- TC-GEO > documentation
- TC-SC > section switching
- RTK correction signal > ± 2-3 cm accuracy



- ▲ The terminal and receiver can be transferred from one machine to another in next to no time.



### CLAAS connect.

#### The whole world of CLAAS in one app.

The CLAAS connect app gives you easy access to all CLAAS solutions so that you can manage your business successfully. Use it to connect your machines, access your CLAAS applications, find the right parts in the CLAAS Parts Shop or configure a new CLAAS machine.



# Together, they are unbeatable.

Some machines only feel good when they are being pushed to their limits. Doing what they are built to do. Like the LEXION and the AXION. With the XERION 12 Series, two formidable sparring partners have now joined them on the field. The powerful top-of-the-range XERION 12.650 and 12.590 tractors are the latest additions to the XERION family. Welcome to the Seed Green fleet!

For decades CLAAS has been supplying farming professionals throughout the world with high-performance machines tailored to their field activities which facilitate the smooth running of all operations. The intelligently connected machines and systems enable farmers to be the best in their field.

»The soil is agriculture's most precious commodity and the farmer's greatest asset. To feed the world together, we must treat it like the valuable resource it is.«

Lukas Große Wienker,  
Product Market Manager Tractor



A Seed Green fleet  
gets more done.





Technical data.



- ▲ Drive train
- Perfectly coordinated drive components
  - Linear drive train for efficient power transmission
  - Durable, continuously variable CLAAS CMATIC transmission



- ▲ Chassis
- Available with crawler tracks or dual tyres

- ▲ Horsepower
- Mercedes-Benz 6-cylinder engines with 15.6 l cubic capacity
  - 653 and 585 hp at 1600 rpm
  - 3100 and 2850 Nm torque at 1300 rpm

▼ Dimensions and weights



XERION		12.650 TERRA TRAC	12.650 TRAC	12.590 TERRA TRAC	12.590 TRAC
Engine					
Manufacturer		Mercedes-Benz	Mercedes-Benz	Mercedes-Benz	Mercedes-Benz
Number of cylinders		6	6	6	6
Cubic capacity	cm³	15600	15600	15600	15600
Nominal engine speed	rpm	1900	1900	1900	1900
Idle speed	rpm	650	650	650	650
Rated output (ECE R 120) <sup>1</sup>	kW / hp	450 / 612	450 / 612	425 / 578	425 / 578
Max. output (ECE R 120) <sup>1</sup>	kW / hp	480 / 653	480 / 653	430 / 585	430 / 585
Maximum torque	Nm	3100	3100	2850	2850
Engine speed at maximum output	rpm	1600	1600	1600	1600
Engine speed at max. torque	rpm	1300	1300	1300	1300
Fuel tank	l	1400	1400	1400	1400
Urea tank	l	90	90	90	90
Oil-change interval	h	1000	1000	1000	1000

CMATIC continuously variable transmission					
Transmission type		Hydrostatic-mechanical, split-power			
Output		Four-wheel drive, permanent			
Min. speed at rated engine speed	km/h at rpm	0.05 at 1900	0.05 at 1900	0.05 at 1900	0.05 at 1900
Max. speed at engine speed	km/h at rpm	40 at 1400	50 at 1800	40 at 1400	40 at 1400
PTO speed at engine speed	rpm	1000 at 1500	1000 at 1500	1000 at 1500	1000 at 1500
Automatic PTO engagement/ disengagement		standard	standard	standard	standard

Axles					
Differential lock		100% lockable, electrohydraulic actuation, lamella construction, with automatic function			

Hydraulics					
Type		Load sensing system (pressure- and volume-controlled)			
Max. pressure	bar	200	200	200	200
Max. output with 1 pump (standard)	l/min	220	220	220	220
Max. output with 2 pumps (option 1)	l/min	445 (220+225)	445 (220+225)	445 (220+225)	445 (220+225)
Max. output with 3 pumps (option 2)	l/min	537 (220+225+92)	537 (220+225+92)	537 (220+225+92)	537 (220+225+92)
Max. number of spool valves		4 / 5 / 6 / 8	4 / 5 / 6 / 8	4 / 5 / 6 / 8	4 / 5 / 6 / 8
Max. flow rate per spool valve	l/min	105 / 140	105 / 140	105 / 140	105 / 140
Hydraulic oil tank	l	120	120	120	120
Max. drawable oil volume	l	80	80	80	80

Hitches					
Drawbar, cat. 4	max. kg	5000	5000	5000	5000
Drawbar, cat. 5	max. kg	5000	5000	5000	5000
Drawbar with K 80 hitch ball	max. kg	5000	5000	5000	5000

Rear linkage					
Category		4N, double-acting	4N, double-acting	4N, double-acting	4N, double-acting
Max. lift capacity	kg	13600	13600	13600	13600
Continuous lift capacity	kg	10000	10000	10000	10000

Cabs					
Display		CEBIS 12" touchscreen			
Suspension		4-point cab suspension, mechanical			
Driver's seat	variants	Fabric / wool / leather, swivels 40° to the right, heated, ventilated, high backrest			
Infotainment	standard / optional	Radio with sound system / radio with sound system and DAB+ incl. subwoofer, gooseneck microphone			
Comfort	variants	Spacious cab, automatic climate control, cool box with active cooling, footrests at front / side			
Lighting	standard / optional	20 LED 360° - 32,600 lm / 22 HP LED 360° - 53,400 lm			

Digital systems					
Steering system	standard / optional	GPS PILOT Ready / GPS PILOT CEMIS 1200 incl. 5-year SATCOR 15 by Trimble RTX or RTK ± 2-3 cm			
Networking	standard	Machine connect 5 years incl.			

Dimensions and weights					
Overall length to end of drawbar, without front weight	mm	7160	7160	7160	7160
Overall length to end of drawbar, with front weight	mm	7760	7760	7760	7760
Overall length, without front weight and with rear linkage in horizontal position	mm	7350	7350	7350	7350
Overall length with front weight and with rear linkage in horizontal position	mm	7980	7980	7980	7980
Overall height	mm	3965	3736-3870	3965	3736-3870
Max. overall width with 762 mm belts	mm	2980	–	2980	–
Max. overall width with 914 mm belts	mm	3285	–	3285	–
Max. overall width with 800/70 R 42 dual tyres	mm	–	5225	–	5225
Wheelbase	mm	3600	3600	3600	3600
Kerb weight (with tyres / crawler tracks, full tank, 75 kg driver, without rear linkage and PTO)	kg	25400	19000	25400	19000

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.

– not available  
<sup>1</sup> Meets ISO TR 14396



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In everything we do, the focus is on you, our customers. We understand your daily challenges. Together with you, we develop agricultural technology ensuring you can farm successfully and sustainably today and in the future. Our digital solutions simplify complex processes and make your work so much more convenient.



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