

**CLAAS**

# **XERION**

**12.650 | 12.590**

**TERRA TRAC | TRAC**



# Strength is more than power.

Up to 650 hp and so much more.

More profitability.

More pulling power.

More comfort.

More operator assistance.

The all-new XERION 12 Series.



Discover how the XERION completely redefines the 4WD tractor class with up to 650 hp.



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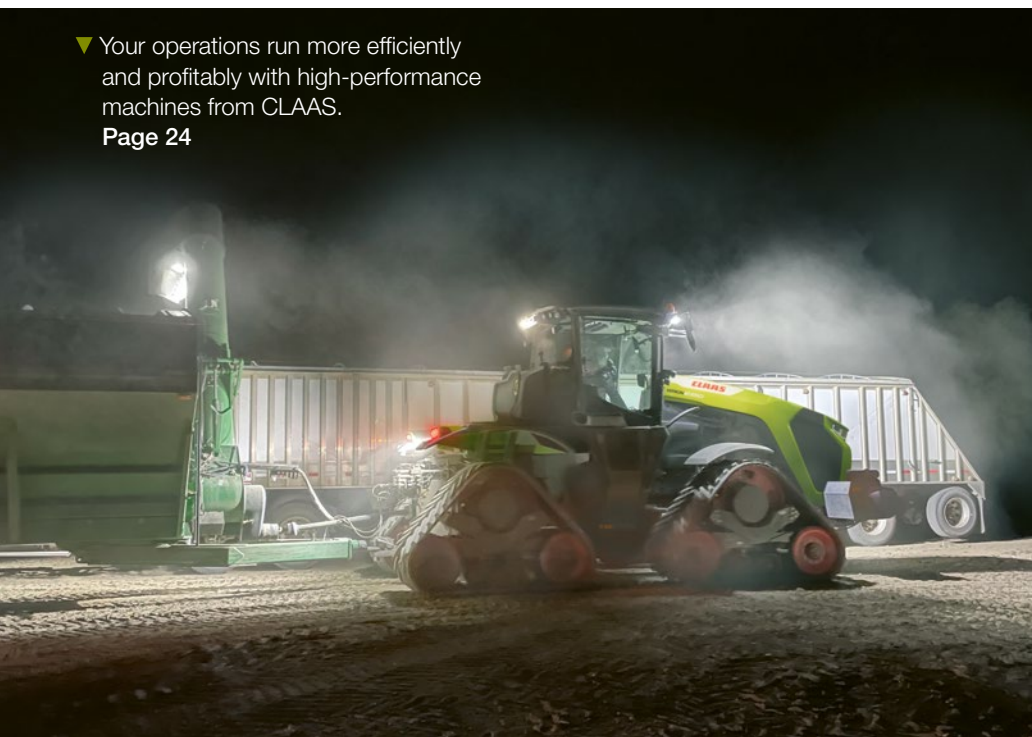
▼ No one knows your business better than you do.  
The new XERION helps you achieve even better results  
and boosts your return on investment.  
**Page 22**



► With our customizable 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**





# More profitability.

The XERION 12 Series was developed with reliable and efficient technology that saves you time, lowers your costs and yields better results. With its durable, high-performance CMATIC transmission, proven Mercedes-Benz engine and customizable service packages tailored to your needs, the new XERION allows you to work around 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
- An engine oil change interval of 1,000 operating hours and a reliable 15.6-litre Mercedes-Benz engine minimize downtime
- The CEMOS operator assistance system saves time and money
- Intelligent engine and transmission management ensures fuel efficiency
- With the XERION 12.650, CLAAS is the only manufacturer to offer a tractor with a continuously variable transmission in the 650 hp segment
- A Seed Green fleet gets more done and offers several valuable advantages: unified operating concept, familiar user interface, CLAAS Connect network integration, reliable CLAAS Service

▲ An engine oil change only once every 1,000 operating hours reduces downtime.  
**Page 12**



CEMOS makes good operators even better.  
[ceмос.claas.com](http://ceмос.claas.com)



▲ The CEMOS operator assistance system is designed to increase your return on investment. It optimizes your machine settings, increases area output and improves fuel economy.  
**Page 22**

▲ Power to the ground: the robust drivetrain efficiently converts engine power into pulling performance.  
**Page 14**

▼ On tracks or duals, the stronger pulling power of the XERION exceeds expectations. The reliable CMATIC transmission transfers the power straight to an upgraded heavy-duty RÁBA axle system.  
**Page 16**



Discover how the XERION tackles the toughest of pulling jobs.



▼ At 140 gallons (537 liters) per minute, even at low engine speeds the XERION supplies enough hydraulic flow to operate the most demanding implements with exceptional efficiency.  
**Page 19**



▼ CEMOS helps the operator find the right machine settings in every scenario.  
**Page 22**





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



# More pulling power.

The new XERION is designed to tackle even the toughest of pulling jobs efficiently. With a hydraulic capacity of up to 140 gallons (537 liters) per minute, upgraded continuously variable CMATIC transmission with the low-engine speed concept, and the intuitive CEMOS operator assistance system, achieve game-changing results.

- Pulling power with 653 hp / 2,286 lb-ft or 585 hp / 2,102 lb-ft
- Efficient power output and maximum torque at low engine speeds
- Hydraulic capacity of up to 140 gpm (537 l/min) with three hydraulic pumps and eight electric hydraulic spool valves
- 42" dual tires for maximum ground contact and enhanced power transmission
- CLAAS TERRA TRAC for efficient, soil-friendly transfer of power to the ground
- CEMOS and the CLAAS modular ballasting concept for optimum weight distribution over both axles in every application
- Proven full-frame construction ensures a long service life and protects the machine even under extreme loads



▼ "The TERRA TRAC designed 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**



▼ The modular ballasting concept makes it easy to adjust the ballast to the job, ensuring that the XERION is only ever as heavy as it needs to be.

**Page 18**





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



▼ The perfectly balanced four-point cab suspension makes long workdays more comfortable, allowing the driver to get the most out of this machine.  
**Page 21**

▼ For us, comfort means more than just a seat or a cushioning system. Comfort begins with your CLAAS dealer, who provides individual support and service according to your real needs.  
**Page 12**



► Ingo Kirchbeck, Product Manager XERION, works closely with drivers from all over the world to make the cab more operator friendly.  
**Page 21**



▼ Up to 22 work lights illuminate your surroundings with 53,400 lm, giving you perfect visibility of the field and implements.  
**Page 21**







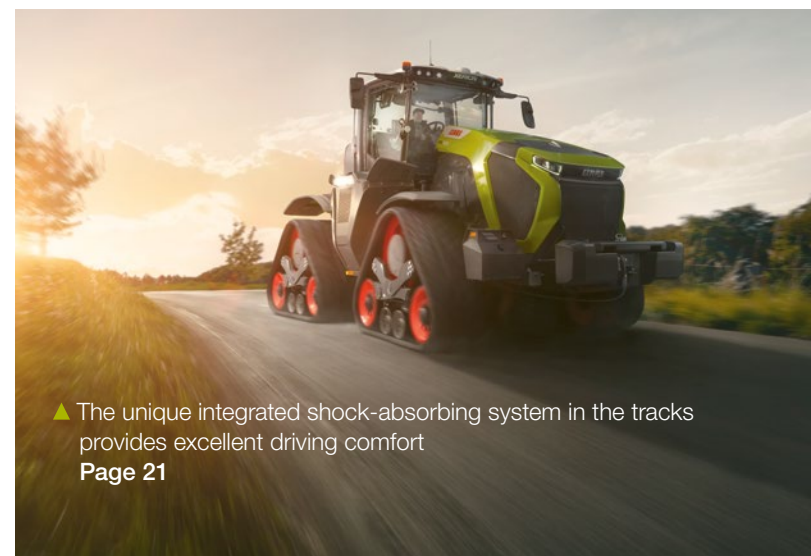
▲ Perfectly attuned to the needs of the operator, the XERION cab offers 21% more leg room, plenty of headroom for taller drivers and an abundance of storage space.  
Page 20



## More comfort.

Experience the unrivalled comfort of the new XERION. Feature rich in a new spacious design. Experience several cab enhancements and a fully adjustable seat that enables 360° visibility. An intelligent suspension system and the continuously variable CMATIC transmission ensure maximum driving pleasure—and optimum results.

- Professional consultation from your local CLAAS dealer
- High 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 optimum visibility
- Multiple footrest options for more legroom
- Four-point cab suspension, rigid frame design and an integrated shock-absorbing system in the tracks redefine driver comfort
- Fast 25 mph (40 km/h) at only 1,400 rpm with TERRA TRAC and 31 mph (50 km/h) on wheels at a fuel-efficient 1,800 rpm
- Continuously variable CMATIC transmission reduces the driver's workload



▲ The unique integrated shock-absorbing system in the tracks provides excellent driving comfort  
Page 21

▼ The future of farming is digital. Machine connect integrates the XERION into all CLAAS digital services. The CLAAS connect platform lets you keep track of key telematics, such as tank fill levels, location and operating hours.

**Page 22**



▼ The XERION 12 is built for the future. It's more than a workspace. It's a space that works.

**Page 22**



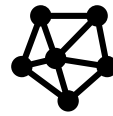
▼ Plan your tasks in your farm management software and transfer them to the XERION along with field boundaries, reference tracks and applications maps.

**Page 22**



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

**Page 23**



## More operator assistance.

The XERION provides the best possible operator assistance for your drivers in the field. At the same time, digital solutions from CLAAS help you optimize 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 dialog-based CEMOS operator assistance system helps you continuously optimize 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 operator assistance system
- Complete control on the job or in the office with CLAAS connect

- ▲ 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 tire pressure before you start work, to optimizing 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 lets you 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**

# Whatever it takes. CLAAS Service & Parts.

Low maintenance costs and customizable service, parts and warranty packages give you total peace of mind. We are there for you—around 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 numbers speak for themselves. 25 years' experience in developing 4WD tractors. Dealership networks on five continents. Fast delivery of 200,000 parts worldwide. One common belief: performance is more than just power.

#### **Professional service is always right around the corner.**

Wherever you are, your skilled CLAAS Service partners are always right around the corner and ready to help you and your XERION, 24/7—with know-how, experience, commitment and the best technical equipment.

#### **A XERION is economical.**

This machine was made to minimize downtime. 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 hood provides easy access to all service points.



▶ More comfort? It all begins with your CLAAS dealer. Your dealer provides individual support tailored to your needs, supplies you with ORIGINAL parts and guarantees high availability of services.



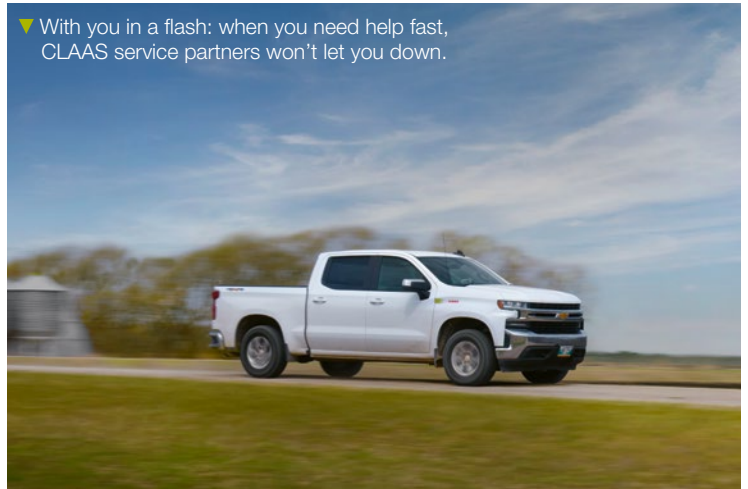
Maintenance preserves value.



- ▲ XERION 12.590
- One-piece hood > quick access
- 1,000-hour interval > for less 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 technical service.**

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. This gives them all the necessary data, so they're well prepared in either case.

**MAXI CARE provides comprehensive protection for your machine.**

Few factors are more crucial to the success of your business than the reliability of your machines. This is why we offer service products for your CLAAS machine which allow you to budget precisely.

**CLAAS has you covered worldwide.**

The CLAAS Parts Logistics Center carries over 200,000 different parts in nearly 2 million square feet of floor space (183,000 m<sup>2</sup>). 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 power you could ever need.



653 hp > pulling power  
CMATIC > driving comfort



Power when you need it. CLAAS POWER SYSTEMS combines a powerful 6-cylinder Mercedes-Benz engine with a robust drivetrain. The XERION 12.650 delivers its peak torque of 2,286 lb-ft even in the low engine-speed range, ensuring maximum performance with minimum fuel consumption. This level of efficiency pays off every single day of operation. Then there's the continuously variable CMATIC transmission, offering entirely new driving and comfort experiences in the high-horsepower 4WD segment.



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



**Without equal 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 helps you find the optimum machine settings. According to the DLG test report, it saves you up to 16.8% fuel in tillage work.



▼ A LEXION needs a strong partner. In rough terrain, the XERION quickly pulls the fully loaded grain cart over the field while comfortably compensating for uneven ground.



- ▲ XERION 12.650 TERRA TRAC
- 6-cylinder Mercedes-Benz engine
- 15.6 l engine
- 2,286 lb-ft torque

CEMOS makes good operators even better. The operator assistance system makes full use of the XERION's potential, streamlining every task and optimizing fuel-efficiency.

**Horsepower equals efficiency.**

The XERION features the latest generation of 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 power 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
Engine size	cm <sup>3</sup>	15.6 l	15.6 l
Torque	lb-ft	2286	2102

**Power equals efficiency.**

In combination with the chassis, the continuously variable CMATIC transmission converts engine power into impressive tractive performance. The linear drive train ensures that the engine's power reaches the axles by the most direct route.

Experience first-class driving comfort from 0.03 to 31 mph (0.05 to 50 km/h). The accelerator pedal and multifunction control lever are designed for simple and intuitive operation. In the field and on the road, the driving speed automatically adjusts to the conditions.

# TERRA TRAC or dual tires. Your soil will appreciate both.

The XERION transmission converts high engine power to tractive power. Its chassis is designed to deliver power to the ground. There are two options to choose from: with tracks developed specifically for large tractors, the XERION TERRA TRAC transfers power to the ground gently yet effectively, while the XERION with 800/70 R42 dual tires offers the largest ground contact in the 4WD tractor segment.

The soil is your farm's greatest asset. To keep it healthy with minimal destruction, 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 more stability and the driver exceptional comfort. The heavy-duty axles are designed for maximum load capacities at up to 31 mph (50 km/h). And it's precisely because of these two steered axles that the XERION remains agile and maneuverable despite its size.

#### **TERRA TRAC for maximum pulling power.**

Over the last 35 years we have made numerous improvements to the TERRA TRAC design. Today the XERION is equipped with the latest CLAAS tracks developed for large tractors. The belts are available in 30- or 36-inch width options (762 or 914 mm) while 7-foot (2.15 m) tall dual tires give the XERION a massive ground contact area that is unrivaled in this tractor class. Tires are available in sizes ranging from 710/70 R42 to 800/70 R42.

#### **Short transfer times at 25 mph (40 km/h) or 31 mph (50 km/h).**

The XERION TERRA TRAC reaches a speed of up to 25 mph (40 km/h) at just 1,400 rpm—convenient when you need to quickly transfer from one field to the next. Transport even faster on wheels at a top speed of up to 31 mph (50 km/h) at a fuel-efficient 1,800 rpm. No other tractor of this size can match this road speed.

#### **More flexible steering.**

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



## 25 years of TERRA TRAC.

"We designed a triangular track specifically with the new XERION in mind. The distinctive shape guarantees optimum power transmission, and an even load transfer along the entire length of the track belt minimizes ground pressure."

Sebastian Wagemann,  
Head of R&D TERRA TRAC





- ▲ Time is money. The XERION is the first dual-tire machine in the 4x4 large tractor segment with a top speed of 31 mph (50 km/h).



- ◀ A top speed of 25 mph (40 km/h). You can get around quickly in the XERION TERRA TRAC—and cut a lot of time wasted on the road.



- ◀ Two belt widths (35.98 inches / 914 mm or 30 inches / 762 mm) guarantee maximum ground protection. With the narrower track belts, the overall width of the XERION is less than 10 feet (3 m).



- ▲ XERION 12.650 TERRA TRAC
  - Tough in the field, gentle on the soil
  - Four track units
  - Even pulling power distribution
  - More operator comfort

# You've never been more productive.

653 hp of raw power, intelligent continuously variable CMATIC transmission, unrivalled 140 gpm (537 l) hydraulic output, the XERION 12 series is equipped to tackle the toughest jobs. The XERION 12 also features an intelligent ballasting concept that works with CEMOS to recommend the most efficient combination of weights to do the job at hand. So you can rest assured that whatever the job, 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. Just another reason why the XERION gives you such an excellent return on investment.

## The right ballast saves fuel.

On the field, the faster the driving speed the less weight you need. As a result, tractors often carry too much weight even though it doesn't do anything to boost its tractive performance—it simply increases fuel consumption. With the XERION it's easy to adjust the ballasting to the exact weight you need for the job at the front and behind the cab. 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 ballast.

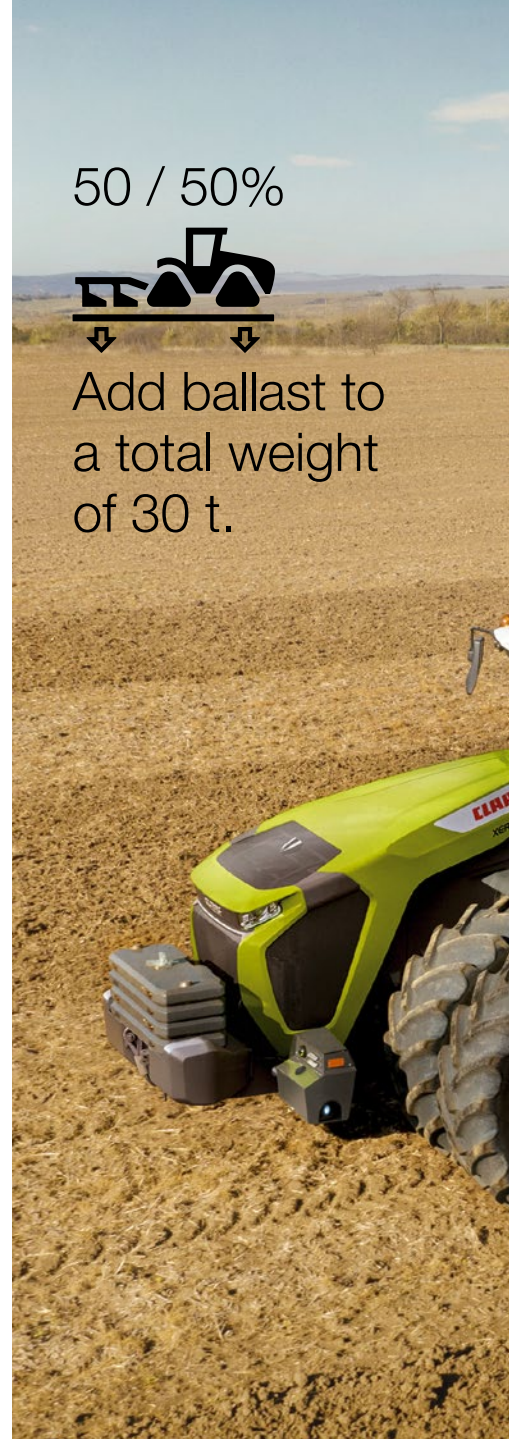
## Enough power for any job.

The optional rear linkage can effortlessly lift up to 13.6 t (10 t continuous lift capacity). 1000 rpm PTO speed is achieved at an efficient 1500 engine rpm with full power available.

50 / 50%



Add ballast to a total weight of 30 t.



## 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 pulling jobs. 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 of maximum vehicle weight at 5.6 mph (9 km/h), but at 7.5 mph (12 km/h) we needed only 21 t. This example shows that if you ballast for a speed of 5.6 mph (9 km/h) and then work at 7.5 mph (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



- ▼ XERION 12.650 TRAC
  - Customized ballasting
  - Maximum ground contact area
  - Efficient pulling power
  - Overall weight up to 30 t

Less ballast, less soil pressure, less cost. CEMOS recommends the necessary ballast level and optimum tire pressure before the driver leaves the yard.



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

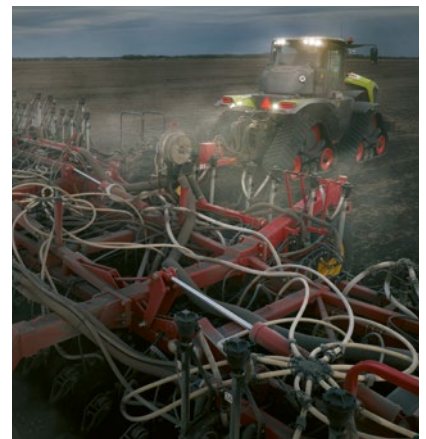
#### Unrivaled hydraulic capacity.

Up to three hydraulic pumps and eight spool valves supply a maximum of 140 gallons per minute. That's unequaled in this class. So even at low engine speeds, the XERION supplies enough oil to operate complex implements efficiently. Power Beyond connections with large-cross-section lines maximize hydraulic fluid 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 (1.96"/50 mm) or category 5 (2.75"/70 mm) pins. The drawbar ensures that a sufficient distance from the tracks or tires is maintained for every job.



▲ The largest hydraulic specification with up to 140 gpm (537 l/min) and eight spool valves offers you the highest level of flexibility and efficiency on the market.

# More than a workspace. A space that works.

The better you feel, the more productive you'll be. So make yourself comfortable and get to work. The XERION makes your job easier with its intuitive operating concept, customizable operator assistance systems and four-point cab suspension.

Experience a new spacious feel in the largest cab in the premium class.  
Long workdays have never been more enjoyable.

## Enhanced comfort improves performance.

The XERION cab—the largest in the premium class—provides a new spacious feel and more than enough room for all your needs. It boasts excellent 360° visibility and comfortably low noise levels. It also features comfortable seating, heated windows and lots of space to store odds and ends. 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

- Over 140 cubic foot (4 m<sup>3</sup>) cab > plenty of space for taller drivers
- Narrow cab pillars > 360° visibility
- 4-point cab suspension > total comfort
- 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 optimize 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.

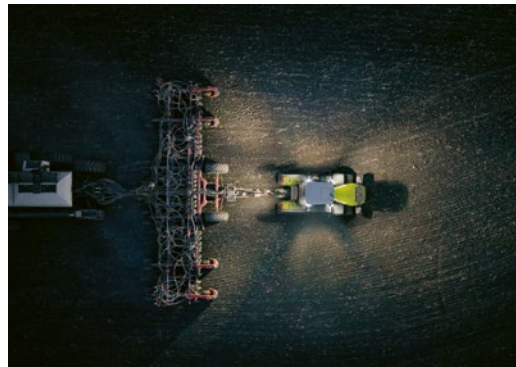
High-end lighting packages with up to 22 work lights flood your working area with light as bright as day, so you always have a perfect view of field and implements.



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

“We work with operators from all over the world to make our cabs even better. Important decisions when it comes to comfort and operational convenience are made based on user feedback.”

Ingo Kirchbeck,  
Product Manager XERION



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



◀ The suspension design—from the shock-absorbing capabilities of the track assembly to the 4-point cab suspension and the cushioned premium seat—makes the XERION an exceptionally comfortable ride.

# The XERION is built for the future.

The future of farming is digital with multiple immediate benefits. Digital solutions make your work in the field more accurate, effective and more efficient. You always work with the optimum machine settings, benefit from fast service and are susceptible to fewer downtimes. This allows you to take full advantage of your machine's and system's full potential.

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

### **More support in the cockpit.**

CEMOS is the only system of its kind on the market that optimizes the performance of both the tractor and its 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 16.8%, according to the DLG test report.

### **Take it easy on the headland.**

The headland management system makes turning on the headland easier. In CEBIS you can record recurring operating sequences and then run them at the touch of a button, leaving you free to concentrate on the job and your surroundings.

### **Be better connected with Machine connect.**

Use the full potential of CLAAS connect by network-integrating your XERION with Machine connect. Never lose track of tank fill levels, location, operating hours or maintenance schedules with real-time status monitoring. You can also 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 job. It includes an automatic steering system which will make your XERION feel like it's running on rails. The automatic track guidance system is controlled intuitively via CEMIS 1200 and assists you with any task that requires a high level of track-to-track 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 license, 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.



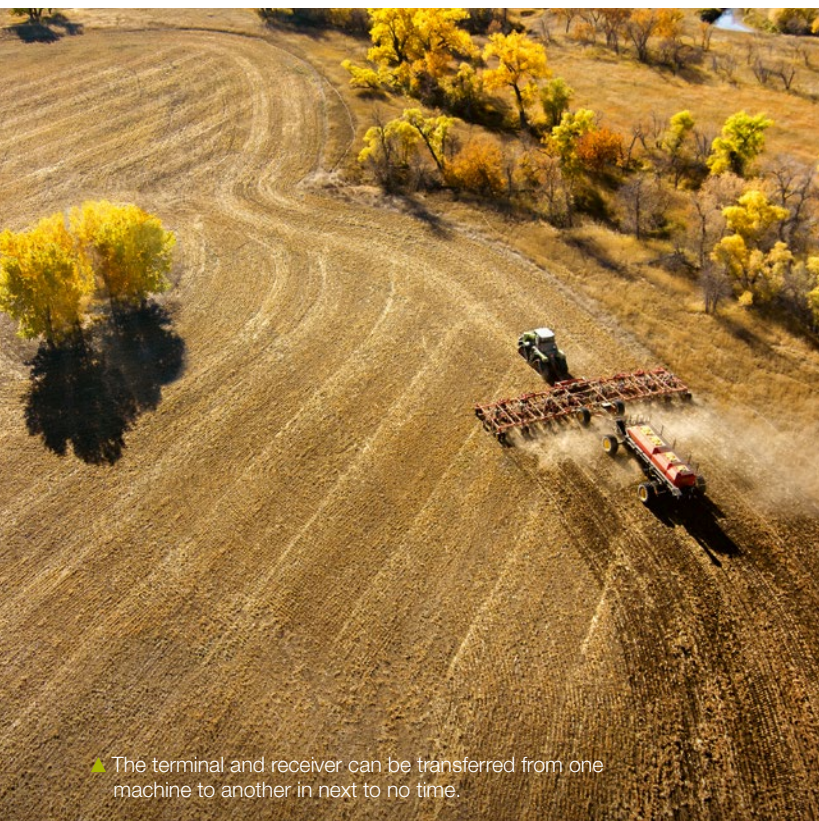
"Your whole fleet fits into your pocket. With CLAAS connect you can go from your field or yard to your machines, applications and configurations in just one click."

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 >  $\pm 2-3$  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 farming 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're unbeatable.

CLAAS machines are built to push the limits. Like the LEXION and the AXION. With the XERION 12 series, two formidable sparring partners have now joined them on the field. The powerful 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 specific needs for smooth operation. The intelligently connected machines and systems enable farmers to be the best and a step ahead of the competition.

"The soil is a farmer's most precious commodity and 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.



# Specifications.



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

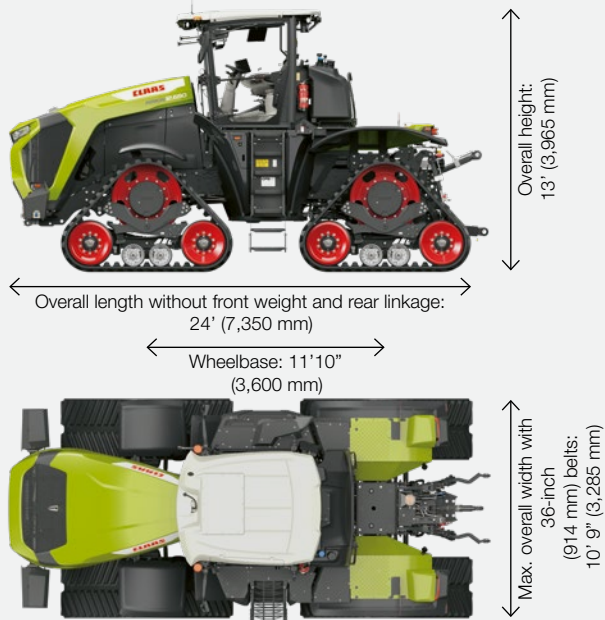


- ▲ Horsepower
- Mercedes-Benz 6-cylinder 15.6 l engines
  - 653 and 585 hp at 1,600 rpm
  - 2,286 and 2,102 lb-ft torque at 1,300 rpm



- ▲ Chassis
- Available with tracks or duals

▼ Dimensions and weights



## XERION

### Engine

- Manufacturer
- Number of cylinders
- Engine size
- Nominal engine speed
- Idle speed
- Rated output (ECE R 120)<sup>1</sup>
- Max. output (ECE R 120)<sup>1</sup>
- Maximum torque
- Engine speed at maximum output
- Engine speed at max. torque
- Fuel tank
- DEF tank
- Oil-change interval

### CMATIC continuously variable transmission

- Transmission type
- Output
- Min. speed at rated engine speed
- Max. speed at engine speed
- PTO speed at engine speed
- Automatic PTO engagement / disengagement

### Axles

- Differential lock

### Hydraulics

- Type
- Max. pressure
- Max. output with 1 pump (standard)
- Max. output with 2 pumps (option 1)
- Max. output with 3 pumps (option 2)
- Max. number of spool valves
- Max. flow rate per spool valve
- Hydraulic oil tank
- Max. drawable oil volume

### Hitches

- Drawbar, cat. 4
- Drawbar, cat. 5 (standard)

### Rear linkage

- Category
- Max. lift capacity
- Continuous lift capacity

### Cab

- Display
- Suspension
- Driver's seat
- Infotainment
- Comfort
- Lighting

### Digital systems

- Steering system
- Networking

### Dimensions and weights

- Overall length to end of drawbar, without front weight
- Overall length to end of drawbar, with front weight
- Overall length, without front weight and rear linkage horizontal
- Overall length with front weight and rear linkage horizontal
- Overall height
- Max. overall width with 32-inch (762 mm) belts
- Max. overall width with 36-inch (914 mm) belts
- Max. overall width with 800/70 R 42 dual tires
- Wheelbase
- Curb weight (with tires / tracks, full tank, 165 lb. driver, without rear linkage and PTO)

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

	12.650 TERRA TRAC	12.650 TRAC	12.590 TERRA TRAC	12.590 TRAC
	Mercedes-Benz	Mercedes-Benz	Mercedes-Benz	Mercedes-Benz
	6	6	6	6
cm <sup>3</sup>	15600	15600	15600	15600
rpm	1900	1900	1900	1900
rpm	650	650	650	650
kW / hp	450 / 612	450 / 612	425 / 578	425 / 578
kW / hp	480 / 653	480 / 653	430 / 585	430 / 585
lb-ft	2286	2286	2102	2102
rpm	1600	1600	1600	1600
rpm	1300	1300	1300	1300
gal	370	370	370	370
gal	23	23	23	23
h	1000	1000	1000	1000
	Hydrostatic-mechanical, split-power			
	Four-wheel drive, permanent			
mph (km/h) at rpm	0.03 (0.05) at 1,900	0.03 (0.05) at 1,900	0.03 (0.05) at 1,900	0.03 (0.05) at 1,900
mph (km/h) at rpm	25 (40) at 1,400	31 (50) at 1800	25 (40) at 1,400	31 (50) at 1800
rpm	1000 at 1500	1000 at 1500	1000 at 1500	1000 at 1500
	standard	standard	standard	standard
	100% lockable, electrohydraulic actuation, lamella construction, with automatic function			
	Load sensing system (pressure- and volume-controlled)			
psi (bar)	2900 (200)	2900 (200)	2900 (200)	2900 (200)
gpm	58	58	58	58
gpm	118 (58+60)	118 (58+60)	118 (58+60)	118 (58+60)
gpm	142 (58+60+24)	142 (58+60+24)	142 (58+60+24)	142 (58+60+24)
	4 / 5 / 6 / 8	4 / 5 / 6 / 8	4 / 5 / 6 / 8	4 / 5 / 6 / 8
gpm	27 / 37	27 / 37	27 / 37	27 / 37
gal	31	31	31	31
gal	21	21	21	21
max. lb. (kg)	11023 (5000)	11023 (5000)	11023 (5000)	11023 (5000)
max. lb. (kg)	11023 (5000)	11023 (5000)	11023 (5000)	11023 (5000)
	4N, double-acting	4N, double-acting	4N, double-acting	4N, double-acting
lb (kg)	29983 (13600)	29983 (13600)	29983 (13600)	29983 (13600)
lb (kg)	22046 (10000)	22046 (10000)	22046 (10000)	22046 (10000)
	CEBIS 12" touchscreen			
	4-point cab suspension, mechanical			
variants	Fabric / leather, swivels 40° to the right, heated, ventilated, high backrest			
standard / optional	Radio with sound system / radio with sound system and DAB+ incl. subwoofer, gooseneck microphone			
variants	Spacious cab, automatic climate control, cool box with active cooling, foot rests at front / side			
standard / optional	20 LED 360° – 32,600 lm / 22 HP LED 360° – 53,400 lm			
standard / optional	GPS PILOT Ready / GPS PILOT CEMIS 1200 incl. 5-year SATCOR 15 by Trimble RTX or RTK ± 2-3 cm			
standard	Machine connect 5 years incl.			
in (mm)	281 (7160)	281 (7160)	281 (7160)	281 (7160)
in (mm)	305 (7760)	305 (7760)	305 (7760)	305 (7760)
in (mm)	290 (7350)	290 (7350)	290 (7350)	290 (7350)
in (mm)	314 (7980)	314 (7980)	314 (7980)	314 (7980)
in (mm)	156 (3965)	147-152 (3736-3870)	156 (3965)	147-152 (3736-3870)
in (mm)	117 (2980)	–	117 (2980)	–
in (mm)	129 (3285)	–	129 (3285)	–
in (mm)	–	205 (5225)	–	205 (5225)
in (mm)	141 (3600)	141 (3600)	141 (3600)	141 (3600)
lb. (kg)	55997 (25400)	43120 (19600)	55997 (25400)	43120 (19600)



## A Seed Green fleet gets more done.

The LEXION is designed to deliver top performance. And so is the XERION family. With the XERION 12.650 und 12.590 high-powered 4WD tractors, two formidable sparring partners have joined them on the field.

Together, they're unbeatable.



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