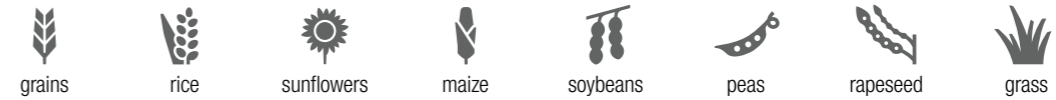


A successful harvest begins with the front attachment.



Effective and highly productive from the very first minute.

You can instinctively feel when the cutterbar is matched perfectly to the crop and the combine harvester. Harvesting becomes easier, faster and more convenient for all the family. Choose the cutterbar you need and your EVION will be ready to work effectively right from the start.

Cutterbars for every crop.

Whether you are harvesting grain, such as wheat, rye, barley, oats and triticale or rapeseed, maize, sunflowers, rice, soybeans, flax, beans, lentils, millet, grass or clover – you can make full use of the performance potential of your EVION with the right front attachment from CLAAS.

Automatic front attachment detection saves time.

The EVION configures the key parameters automatically. It does this based on the following information it receives from the front attachment module: cutterbar type, working width, number of sections, reel position, parking position and the AUTO CONTOUR set values for working height and hectare counter.

VARIO 680 / 620 / 560 / 500	
CERIO 680 / 620 / 560	
Standard cutterbars C 490 / C 430 / C 370	
Folding cutterbars C 540 / C 450	
MAXFLEX 680 / 620 / 560	
SUNSPEED 12-75 / 12-70 / 8-75 / 8-70	
CORIO 675 / 670 / 575 / 570	
SWATH UP 450	

Short conversion times.

The EVION uses the same proven CLAAS front attachment interface as the LEXION and the TRION. Locking of both sides of the cutterbar is actuated from the left-hand side. Convenient multicouplers take care of all hydraulic and electrical connections. You are therefore able to benefit from short conversion times and can switch quickly from one field to the next. A rugged box to hold the rapeseed knives is available for the transport trailer.

Universal feeder housing.

The universal feeder housing with three feeder chains is suitable for all cutterbars up to a working width of 6.80 m or for maize pickers up to 6 rows. Two lowering speeds allow you to position the front attachment precisely. Cutterbar and feeder housing are equipped with an automatic "soft start" system to reduce belt and drive wear. A slip clutch provides overload protection for the feeder housing.

Protective reversing.

You can clear blockages in the feeder housing or front attachment by hydraulic reversing with high starting torque. This is actuated by means of an easily accessible switch on the armrest. The slow intake feeding after reversing avoids load peaks.



A powerful feeder unit makes you more productive.

- CLAAS has front attachments that precisely match your requirements
- The proven interface used in the LEXION and TRION also simplifies attachment and removal for the EVION
- Short conversion times let you switch quickly from one field to the next
- AUTO CONTOUR (BUSINESS equipment package) adjusts every cutterbar to the terrain precisely

AUTO CONTOUR in the BUSINESS equipment package.

AUTO CONTOUR increases the output of your EVION and makes it even more cost-effective. The system automatically compensates for ground undulations parallel and transverse to the direction of travel. The required cutting height is programmed via CEMIS 700. AUTO CONTOUR then adjusts the active cutting height to the ground conditions. You are able to override both the lateral and the longitudinal control manually at any time.

Let us take a weight off your mind.

You benefit from AUTO CONTOUR in particular at night, in laid crops, on side slopes and on stony ground. Another advantage of the system is that it damps and protects your front attachment.

B CONTOUR in the TREND equipment package.

Cutterbars which are operated with CONTOUR automatically adjust to ground undulations parallel to the direction of travel. You only have to set the required cutting height in CEMIS and everything else is taken care of by CONTOUR. The system uses the signals from the sensor bands on the front attachment for active control of the cutting height. As with AUTO CONTOUR, you can override the automatic longitudinal control manually at any time.

T

Choose the right front attachment.
combine-front-attachments.claas.com

Scan me.

Don't waste a single grain.



Benefit from a straight, fast crop flow.



Effective straw walker technology.

Every grain counts. The cleaner it is, the higher the revenue you can achieve. The EVION is in its element here. Both its straw walker area and the cleaning area are unsurpassed in this market segment. Practically all the residual grains are separated reliably and cleaned efficiently.

Five long straw walkers make the most of your crop.

Five closed-bottomed straw walkers, each of which has four steps and a length of 4.40 m, feed the residual grains to the preparation floor. Cleaning the walker is fast thanks to maintenance openings which can be accessed easily without tools.

Two sensors reliably measure straw walker performance. AUTO CROP FLOW continuously monitors the crop flow on the walkers.

AUTO SLOPE manages cleaning on slopes.

Hilly fields are a challenge for the grain cleaning system. Uphill, the fan speed has to be reduced, downhill it has to be increased. AUTO SLOPE reduces your workload by controlling the fan speed on the basis of the longitudinal tilt.

This ensures that the cleaning performance always remains stable and the crop flow in the cleaning system is maintained. In this way, you are able to increase throughput and reduce grain losses on slopes.

For particularly light crops.

As grass seeds and small seeds are very light, it is important to adjust the fan speed in order to keep losses to a minimum. A retrofit kit is available to reduce the fan speed for such situations.

1 Threshing system

The threshing unit of the EVION guarantees powerful threshing and separation performance throughout the entire harvest.

2 Straw walkers

Five long straw walkers, each with four steps, ensure effective residual grain separation and provide the largest separation area in this combine harvester segment.

3 Preparation floor

Increases the cleaning capacity of the EVION and simultaneously reduces the load on the upper sieve. Grain and non-grain constituents, such as chaff, straw and ear tips are pre-sorted. The light plastic preparation floor elements can be removed to the front for cleaning.

4 Radial fan

The speed of the radial fan with a hydraulic variator is adjusted via the CEMIS control terminal or by means of a direct switch on the armrest.

5 Step

Effective cleaning starts at the first step. The airflow causes initial separation of the constituents and reduces the load on the upper sieve.

6 3D cleaning system

The maintenance-free system operates in the background. Using active transverse control, it distributes the material evenly across the upper sieve. This ensures that the cleaning performance remains stable when operating on slopes.

7 Upper and lower sieve

A number of upper and lower sieve variants are available. As with the TRION and LEXION, all of them can be adjusted electrically.

8 Returns

Ear parts which have not been threshed completely are fed back to the threshing drum here.

9 Cleaning throughput monitor

Sensors in the cleaning system detect losses. The values displayed in CEMIS 700 provide the operator with important information about the machine settings.

10 Straw walker throughput control unit

The straw walkers are equipped with sensors which detect the straw walker losses and enable rapid assessment of the machine settings.

11 Chopper

The chopper delivers very short-chopped straw and promotes sustainable tillage.



A connected EVION is more productive.

Digitalisation pays.

Intelligent digitalisation matched to the requirements of your farm reduces your workload and increases your productivity. Data generated in completely different places can be collected and evaluated centrally. This conserves your resources and improves your farm operations.

To enable you to get more out of the EVION and your other machines, CLAAS offers a range of modules which allow systems, technology and working processes to be connected with each other, regardless of the manufacturer.

Forward planning in the office.

- Use 365FarmNet to determine the harvest sequence per crop on the basis of maturation
- Prepare jobs including reference tracks and transfer them to CEMIS 1200

Optimisation on the machine.

- Create and manage all jobs directly on the machine with CEMIS 1200
- All job data are documented online as an automatic background operation
- Transmit data from different manufacturers' products into the cloud smoothly
- Use CLAAS connect and the CEMOS Advisor app to monitor the performance of the combine harvester and make full use of it
- Save valuable maintenance and service time with remote diagnostics

Detailed assessment in the office.

- Transfer and document job and harvest data quickly
- Analyse fields easily and map yields precisely
- Assess work processes intensively and identify scope for improvement

CLAAS connect links you up with CLAAS.

CLAAS connect links people, machines and systems. This app helps you keep track of your machine fleet, check the most important telemetry data and make use of CEMOS Advisor to optimise your combine harvester. You can find the right operator's manual quickly and view service and licence contracts. Lubricants and parts can be obtained conveniently by ordering them from the shop around the clock. What's more, you have access to many other CLAAS applications.

Machine connect links your EVION into the network.

Machine connect allows you to use the full scope of CLAAS connect. It gives you a real-time overview of the tank fill levels, the location, the operating hours and maintenance dates. You also benefit from other digital CLAAS services, such as CLAAS TELEMATICS and MAXI CARE connect. With CEMIS 1200 and Machine connect you can take care of job management tasks on the machine itself and transfer the data online to TELEMATICS, 365FarmNet or other connected systems.

TELEMATICS records your success.

Work data, tracks and yield data for your combine harvester can be retrieved and recorded continuously by means of TELEMATICS. All data are transmitted via the mobile phone network from the machine to the server, where they are processed and stored. You can access and evaluate your data online in real time or retrospectively via the TELEMATICS portal or the app.

DataConnect, developed by CLAAS, 365FarmNet, John Deere, Case, Steyr and New Holland, is the first direct multi-manufacturer and industry-wide open cloud-to-cloud solution. It allows you to control and monitor your entire machinery fleet in the CLAAS TELEMATICS portal.



Connected documentation collects your harvest data.

With the "CLAAS Connected Documentation" licence, the harvest data associated with your combine harvester are automatically collected and assigned to the fields which have been worked. This functionality requires that your field boundaries are specified in the system, either before or after the harvest. Subsequent documentation of any extra areas which happen to be harvested means that no data are lost. Data can be exported to all the current farm management programs at any time.

MAXI CARE connect simplifies servicing.

MAXI CARE connect plays an important role in ensuring the operational reliability of your machines. It simplifies maintenance and service support for you significantly. The machine informs the service partner of an upcoming requirement for maintenance or sends immediate notification if a fault arises. The service partner therefore has access to the relevant data and can prepare optimally for the intervention in both scenarios.



It's a winner
with the whole family.



Because of its convenience.

- The CMOTION multifunction lever and the CEMIS 700 terminal are extremely easy to operate
- The LED work lights and the high level of cab comfort make work less of a strain
- Excellent accessibility makes it extremely easy for any user to perform maintenance tasks and machine adjustments
- The direct view into the returns and grain tank makes it even easier for you to monitor the crop
- CEMIS 1200 (optional) provides support for GPS tracking and documentation

Because of its flexibility.

- Short changeover times mean that you can switch from one crop to another in next to no time
- The MULTICROP threshing concave has what it takes to cope with any crop
- The universal threshing drum handles straw and grain gently, even at high throughput rates
- The differential lock ensures that you can make progress reliably in challenging terrain and on slopes
- AUTO SLOPE adjusts the fan speed automatically and delivers full cleaning performance on slopes

Because of its reassuring dependability.

- CLAAS quality guarantees a long service life and high resale value
- The large CLAAS service network is available 24/7 to supply you with parts which are a perfect fit for your machine
- MAXI CARE maintenance contracts keep the repair and breakdown risk to a minimum
- You can benefit from high efficiency, stable throughput, low fuel consumption and low running costs throughout the life of your machine
- The high level of digitalisation enables optimal integration of the EVION in your farm's digital ecosystem

EVION		450	430	410
Threshing unit and primary separation				
Conventional threshing system		●	●	●
Threshing drum width	mm	1420	1420	1420
Threshing drum diameter	mm	600	600	600
Threshing drum speed	rpm	480-1150	480-1150	480-1150
With reduction gear	rpm	220-630 / 415-1150	220-630 / 415-1150	—
As retrofit set	rpm	420-1080	420-1080	420-1080
Threshing concave wrap angle	degrees	121	121	121
Main concave area	m ²	0.95	0.95	0.95
Secondary separation				
Straw walkers	No.	5	5	5
Straw walker length	mm	4400	4400	4400
Total secondary separation area	m ²	6.25	6.25	6.25
Crop cleaning				
Radial fan		●	●	●
Fan adjustment, hydraulic		●	●	●
3D cleaning system		○	○	○
Total sieve area	m ²	4.80	4.80	4.80
Electric sieve adjustment		●	●	●
Grain tank				
Capacity (as per ANSI/ASAE S312.2)	l	8000	6500	5600
Unloading auger swivel angle	degrees	105	105	105
Pivoting unloading tube spout		○	○	○
Unloading rate	l/s	90	90	90
QUANTIMETER yield and moisture measurement unit		○	○	○
Chopper				
SPECIAL CUT straw chopper, knives	No.	72	72	72
STANDARD CUT straw chopper, knives	No.	52	52	52
Chaff spreader		○	○	○
Chassis				
3-speed manual gearbox		●	●	●
30 km/h		○	○	○
Differential lock		○	○	—
Car-like driving characteristics		●	●	●
Engine				
Manufacturer / Stage V type		Cummins B6.7	Cummins B6.7	Cummins B6.7
Manufacturer / Tier 3 type		Cummins QSB6.7	Cummins QSB6.7	Cummins QSB6.7
Cylinders / displacement	No. / l	6 / 6.7	6 / 6.7	6 / 6.7
Maximum output (ECE R 120)	kW/hp	190 / 258	170 / 231	150 / 205
Fuel consumption measurement		●	●	●
Fuel tank capacity	l	500	500	500
Urea tank capacity, Stage V only		80	80	80
DYNAMIC POWER		●	●	●
Air compressor		○	○	○
Cab				
CEMIS 700		●	●	●
CMOTION multi function lever		●	●	●
Automatic climate control		●	●	●
Operator's seat, air-suspended		●	●	●
LED work lights		●	●	●

EVION		450	430	410
Data management				
TELEMATICS		○	○	○
Job management		○	○	○
Yield mapping		○	○	○
MAXI CARE connect		○	○	○
Operator assistance systems				
AUTO SLOPE		○	○	○
AUTO CROP FLOW		○	○	○
Steering systems				
GPS PILOT CEMIS 1200, AUTO PILOT		○	○	○
Weights (can vary depending on equipment) without front attachment, straw chopper and chaff spreader, full fuel tank, full urea tank	kg	11500	11500	11500

EVION		450	430	410
Tyres on drive axle				
Tyre size		ø cat.	External width	
650/75 R 32 167 A8	m	1.85	3.22	3.22
650/75 R 32 172 A8, Michelin	m	1.85	3.22	3.22
800/65 R 32 167 A8	m	1.85	3.58	3.58
800/65 R 32 172 A8	m	1.85	3.47	3.47
800/65 R 32 178 A8, Michelin	m	1.85	3.56	3.56

EVION		450	430	410
Tyres on steering axle				
Tyre size		ø cat.	External width	
16.5/85 24 14PR IMP	m	1.35	3.22	3.22
500/70 R 24 164 A8 IMP	m	1.35	3.27	3.27
500/70 R 24 164 A8	m	1.35	3.27	3.27
500/85 R 24 x 205 IMP	m	1.50	3.27	3.27

Front attachments	
VARIO cutterbars	VARIO 680, VARIO 620, VARIO 560, VARIO 500
CERIO cutterbars	CERIO 680, CERIO 620, CERIO 560
Standard cutterbars	C 490, C 430, C 370
Rapeseed equipment	For all VARIO cutterbars, not available for CERIO cutterbars
Folding cutterbars	C 540, C 450
Maize pickers	rows 6, 5
SUNSPPEED	rows 12, 8
MAFLEX	MAXFLEX 680, MAXFLEX 620, MAXFLEX 560
SWATH UP	SWATH UP 450

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 to present the function more clearly in photographs. To avoid any risks, you should never remove these protective panels yourself. In this context, 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.

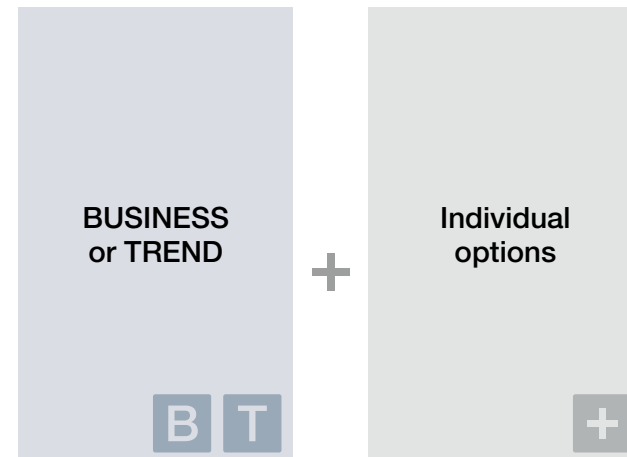
EVION configuration.

Models

EVION 450 258 hp, 8,000 l grain tank capacity	MAXI MULTICROP
	CLASSIC Universal Grain
EVION 430 231 hp, 6,500 l grain tank capacity	MAXI MULTICROP
	CLASSIC Universal Grain
EVION 410¹ 205 hp, 5,600 l grain tank capacity	CLASSIC Universal Grain

¹ Only as Stage V

Equipment packages



Models	MAXI	CLASSIC
Front attachments (max. size)	Cutterbars up to 6.80 m Maize picker, 6-row	Cutterbars up to 6.80 m
Front axle	With diff. lock	Without diff. lock
Rear axle	Variable	Rigid
Engine	With air compressor	Without air compressor
Threshing drum speed	2 ranges, 220-630 / 480-1150	1 range, 480-1150
Threshing concave	Threshing concave segment can be swapped out	One piece

Equipment packages

	BUSINESS B	TREND T
Front attachment guidance	AUTO CONTOUR	CONTOUR
Crop cleaning	3D	–
Chopper	SPECIAL CUT	STANDARD CUT
Operation	CEMIS 700 incl. rear camera	CEMIS 700 incl. rear camera
Work lights	LED Plus	LED
Cab comfort and convenience	Air-suspended seat, instructor's seat with refrigerator box, foot rests, electrically adjustable rear-view mirrors	Air-suspended seat, instructor's seat with storage compartment, manually adjustable mirrors

Individual options

Digital packages	Operator assistance systems
Individual cab comfort and convenience features	Multicrop capability
Lighting	Convenient maintenance
Ground speeds	Crop types and conditions



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