Demands rise.
The new LEXION.
Further ahead.
Only one force could make the LEXION the success it is today: our customers. Therefore your opinion is our benchmark.

We listened to your needs, understood your wants and improved. We integrated new technology and fine-tuned the existing, and gave it a new, bold image. The result is the new LEXION.

There are certain top quality functions, services and solutions that CLAAS is known for, and there are superior, groundbreaking innovations found from no other manufacturer in the world but CLAAS. Systems like the APS HYBRID SYSTEM, the unbeatable combination of two technologies. Or the new premier residue management options.

The performance advantage from these developments is supported by numerous other outstanding innovations, such as the new deluxe cab, offering industry-leading comfort, CEBIS with improved operating functions, TERRA TRAC with a road speed up to 25 mph (40 km/h), and ParaDyme™ guidance to make the most out of every pass.

Once again, the LEXION is ahead of its time delivering performance and efficiency a cut above the rest, setting a convincing standard for all. In the field, on the road and in the market there is no competition.

The new LEXION. Further ahead.
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The new cab:
Further ahead.
“My operators always have long work days. They need a cab that is even more comfortable.”
For the best working conditions.

With even more space than previous models, the new LEXION gives the operator unmatched freedom of movement, an overview of controls, and excellent visibility in every direction. The air conditioning provides a consistent, comfortable atmosphere, which together with superb soundproofing and a three-position adjustable steering column and leading leg room provides first-class working conditions.

Cushions, supports, ventilates and keeps you warm: The deluxe operator’s seat (770).

Active comfort control ensures optimal seat ventilation. Air cushioning with height control adjusts automatically to the operator’s weight and absorbs up to 40% of vertical seat movement. A pneumatic, dual-zone lumbar support keeps your back in shape while the seat’s automatic thermostat keeps you warm and comfortable.

Full value: Trainer seat with integrated cooler.

- Integrated left arm support on the door
- Backrest folds down into desk/work station
- Larger 45 qt (43 l) cooler (770) with integrated cupholder
- Ample storage space

The cooler and trainer seat add to the cab’s superior comfort.
The steering column is adjustable in three positions.

Turn night into day.

The advanced lighting systems ensure the best visibility for the entire field work area and machine parts even at night. Intelligent features such as the programmable overhead light panel make for a customizable package. Powerful H9 Halogen and Xenon lights turn night into day.

- Up to 14 forward and 5 rear working lights
- Side lights, stubble lights, steering axle lights
- Automatic lighting of the unloading auger
- Automatic reverse lights
- Lighting for the cleaning system, grain tank and returns
- Service lights below the side doors
- Portable work light
- All working lights can be turned on during road transport

The overhead light panel allows the operator to select exactly the lights needed. User defined lights can be programmed on CEBIS.
The name says it all.

The electronic expertise of CLAAS can be summarized in one word: EASY: Efficient Agriculture Systems, and it lives up to the name. Combine settings, steering systems, software solutions and more: EASY makes it all simple. These systems can be matched perfectly, enabling you to get the best performance from your combine and top results for your operation.

Go on. Go EASY.

Four components make one EASY concept. Each one has its own specialty, and when combined, they form a powerful team.

- on board – Combine control and performance optimization from the cab
- on field – Increased productivity directly in the field
- on track – Equipment monitoring and diagnostics
- on farm – Software solutions for your operation

Go on. Go easy.

Efficient Agriculture Systems by CLAAS.
“Our machines have multiple drivers with different skills. We expect these machines to perform at an optimum.”
Everything under control. The new CEBIS.

Operator focused.

The CEBIS display - CLAAS Electronic on-Board Information System - is tasked with total machine monitoring and control, which is distinguished by its clear, intuitive menu structure.

A quick look is all it takes: the new generation CEBIS display provides a thorough overview of the combine’s status. Separate road and harvest screens provide a clear, organized display of machine performance, whether on the road or in the field. All messages are delivered with an audible tone and visual icons and text.

Discover the benefits of simple push-button control with CEBIS: You’ll find a demo version online at www.claasofamerica.com.

CEBIS on the road.

1 Menu bar
2 Travel speed and engine rpm
3 Operating hours
4 Fuel and temperature display

CEBIS in harvest.

5 Throughput monitoring
6 Yield and moisture monitoring
7 Custom display (up to 40 user-defined options)
8 Message window (for alarms and information)
9 Header position (AUTO CONTOUR / cutting height)
10 Returns monitor (MOG volume and grain quantity)
All's clear on the operating panel!

Integrated with the operator’s seat, its flexible functions can be adapted as needed. Function switches include:

A CEBIS click dial
B CEBIS rotary dial
C ESC key
D HOTKEY click dial
E HOTKEY rotary dial
F Info button
G CEBIS screen
H Header engagement ON / OFF
I Threshing/Separating ON / OFF
J Feederhouse reverser
K VARIO side-knife (left) ON / OFF
L Multifunction trigger (VARIO fore/att, MAXFLEX cutterbar, lateral tilt, MAXFLO draper reverser)
M Transmission gear select
N Parking brake
O AUTO PILOT ON / OFF
P 4-TRAC (rear wheel assist)
Q Rear axle speed HI / LOW
R Throttle (3 positions)

An eye-catching 8.4 inch color display.

The 8.4" (21 cm) color CEBIS display offers an ideal view. The ball mount enables the monitor to be positioned exactly where the operator needs it.

An eye on everything for simpler, faster operation.

In working mode, basic combine settings are made using the CEBIS rotary dial (B). An additional HOTKEY rotary dial (E) enables direct access to key functions. The position of the dial is shown on the CEBIS screen (G). Menu navigation and settings take place with the CEBIS and HOTKEY click dials (A and D). A compact flash card makes data exchange particularly simple.
CEBiS is simple. It displays a wealth of machine information, allowing the operator to make the best decisions based on the most accurate machine intelligence possible.

- Automatic crop settings plus up to 20 personal settings
- CRUISE PILOT – automatic forward travel control
- GPS Steering, LASER PILOT and AUTO PILOT – automatic steering
- QUANTIMETER – yield and moisture monitoring
- Acre counter
- Fuel consumption monitoring
- Yield mapping
- Percent engine load and fuel time until empty
- Work order management
- Service interval display with tasks
- On-board diagnostics, alarm list with history
- Speed monitoring, slippage display (e.g., threshing drum)
Intuitive, intelligent – simply ideal.

One control, greater comfort.

The multifunction handle is integrated into the right armrest, which offers outstanding comfort as well as convenience of driving and operating the new LEXION. With the multifunction handle, you can control the ground speed and direction while managing a number of functions easily and smoothly, such as:

1. Header height control
2. AUTO PILOT, LASER PILOT, GPS Steering
3. Swing out the grain tank unloading auger
4. Swing in the grain tank unloading auger
5. Feederhouse stop
6. Reel operation
7. Grain tank unloading ON / OFF

The trigger switch on the back of the multifunction handle enables VARIO fore/aft, MAXFLEX cutterbar, lateral tilt, MAXFLO draper reverser.
CLAAS TELEMATICS
making good operators even better.

A full overview with just a click.

The CLAAS TELEMATICS option allows you to access important information about your combine, from your combine, anytime using the Internet.

Optimize your settings.

Quickly compare the performance and harvesting data for your combines on the Internet so you can fine tune the settings for the best results.

Reduce service time.

CLAAS TELEMATICS can transmit service data to your LEXION dealer, enabling them to perform remote diagnostic checks to determine the source of problems more quickly and prepare to provide the most effective assistance in the field as quickly as possible.

Improve work processes.

An analysis report detailing current machine status can be sent by e-mail each day. This enables you to review the specific data from the previous day and determine when and how efficiently the combine operated before you start threshing again. The working tracks of the thresher can be viewed together with the event log, which enables the transport logistics to be optimized.

CLAAS TELEMATICS enables planned fleet management and avoids unprofitable downtime, because work orders issued in the job management module can be monitored online. A locally sourced SIM card and data plan are required.

Operator, farm manager, and local dealership service departments can each observe their required data off the machine individually to optimize output results.
Operating time analysis.

- Travel time: 0.7%, 11 min 54 sec
- Unloading while stopped: 1.3%, 13 min 15 sec
- Unloading while harvesting: 12.8%, 2 h 10 min 33 sec
- Idle time with full grain tank: 3.2%, 32 min 36 sec
- Turning time: 10.2%, 1 h 43 min 55 sec
- Harvesting time: 67%, 11 h 24 min 26 sec
- Idle time: 4.8%, 48 min 57 sec

Simplified documentation.

With TELEMATICS you can export data to your field catalog, saving you valuable time. For example, you can import data regarding harvest quantities for specific parts of the fields. You can also display the following data graphically for quick analysis:

- Yield maps
- Moisture maps
- Loss maps

The location and path of the combine are shown against the background of satellite photos from Google™ Earth.
New MACH 5 electronics system.

Data can be processed and sent faster than ever. The new electronics system improves the control of the LEXION. Its faster on-board network speeds makes the LEXION ready for the challenges of the future, today.

Field data management.

You can manage your field data using optional software from Ag Leader or Farm Works Software.

- All data is backed up when a specific task is completed or the working day comes to an end.
- The data can be printed out in the combine (via optional printer) or transferred via external storage card.
- All data can be viewed and processed further on a PC.
- Daily counts, crop counts and total counts can also be displayed and printed in CEBIS.

Yield mapping.

Precision farming is key to harvesting efficiency, and customers want the flexibility of choice. At CLAAS, we allow you that flexibility to choose your back office software. Yield mapping with sensors in the LEXION measures the yield and grain moisture while either the CEBIS or Ag Leader INTEGRA™ displays add geographic coordinates using satellite data.

The working tracks can be displayed in CEBIS thanks to GPS.
CRUISE PILOT: Automatic forward travel control.

The CLAAS CRUISE PILOT option automatically controls the harvesting speed for best results. Depending on the travel mode, the system monitors multiple parameters simultaneously including: ground speed, crop volume in the feederhouse, engine load and grain losses.

The following user defined preferences are available:
- Constant speed
- Constant throughput
- Constant throughput with losses

To enable superior control of productivity with the LEXION, you can set a maximum speed and control response at five levels with quick, easy operation via the HOTKEY.

CRUISE PILOT anticipates peak system loads before they occur to maximize output efficiency. This keeps the LEXION running consistently at the upper limit of productivity at all times and gives you better harvest results.

<table>
<thead>
<tr>
<th>Engine Load</th>
<th>Loss rate</th>
<th>Crop volume in feederhouse</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.75 mph</td>
<td>5 mph</td>
<td>2.5 mph</td>
</tr>
</tbody>
</table>

The optional printer gives operators an immediate print-out of your harvesting or performance data.
Automatic steering systems to meet the growing demands for precision farming.

At CLAAS, we offer you the flexibility of choice by offering LEXION combines which can be equipped with three automatic steering systems – according to your application:

- GPS Steering – satellite based guidance system
- LASER PILOT – optical guidance system
- AUTO PILOT – row-sensing guidance system

With the new CLAAS CAN Bus interface, yield data from the QUANTIMETER is displayed and mapped on the Ag Leader INTEGRA™ display. In the same way, intelligent steering commands from Ag Leader’s ParaDyme steering system are controlling the LEXION AUTO PILOT steering valve. This industry exclusive feature allows you further flexibility to move the INTEGRA™ display and ParaDyme antenna to different vehicles in your farming operation.
In line. Down to the inch.

GPS Steering.

The satellite based GPS Steering uses global positioning to guide the LEXION automatically through the field with accuracy down to the inch. No more wasted time overlapping.

The Ag Leader ParaDyme™ steering system operates the CLAAS AUTO PILOT valve, which can be activated via the AUTO PILOT button on the Multi-Function handle.

LASER PILOT.

Optical sensors of the LASER PILOT use pulses of light to scan the edge between the crop and stubble, guiding the LEXION automatically along the crop border.

When not in use, LASER PILOT can be pivoted into transport cradles to equip either the left, right or both sides of the cutterbar. Being mounted on the header gives the LASER PILOT optimal positioning ensuring high functional reliability on gradual corners or slopes.

AUTO PILOT.

When both the combine and header are equipped with the option, digital row sensors attached to the center row of the corn head guide the harvester through the rows of corn automatically maintaining productivity and operator comfort.

Your benefits.
- High reliability and safety regardless of visibility
- Full utilization of the cutterbar width all the time
- Greater precision for mapping areas and yields
- Reduced fuel consumption
- Lower turning times
- Increased seasonal performance
- Reduced operator strain for more concentration on harvesting
The combine must feed as efficiently as possible, so I need a header that meets these needs.
Unrivalled intake.

Standard feederhouse.

The standard feederhouse works for all crops. A shallow intake angle to the APS threshing system optimizes crop flow. Heavy duty conveyor chains with interconnected feederhouse slats ensure high durability. Dual heavy duty hydraulic cylinders carry the header as well as provide lateral tilt compensation for the AUTO CONTOUR (optional).

HP feederhouse.

The features of the standard feederhouse plus HP (header pitch) option allows fast, simple adjustment (no tools required) of the cutting angle to adapt to changing field conditions. From the standard zero position, the cutting angle can be moved 8° back and 11° forward. Optional AUTO CONTOUR function is also available.

CRUISE PILOT throughput sensor.

To set the forward ground speed automatically during harvest, the CRUISE PILOT option uses sensors in the feederhouse to measure crop volume.

Dust suction fan.

The optional dust suction fan can be equipped on the feederhouse to ensure optimal visibility of the header even in dry and dusty harvest conditions.

Hydraulic reverser.

Reversing the feederhouse (and header) is done by a powerful hydraulic motor that is engaged from the cab. The reel also reverses automatically (while the threshing system is engaged) with the feederhouse reverser to push exiting material off of the cutterbar.
Multi-Link Connector.

Make seven connections in one step.
Fast and efficient.
- Simple user interface.
- Easy to connect, even under pressure.
- Environmentally friendly, self-sealing hydraulic connections.

Easy locking system.

A single lever on the left side of all grain platform headers operates all locks simultaneously.

Spare knife and crop lifters.

All CLAAS platform heads are equipped with a spare knife.
All knife sections are made from hardened material for extreme durability.

Crop lifters (standard on VARIO heads) enable easy pickup of lodged crop while minimizing foreign object ingestion.
Crop lifters can be stored conveniently on the back side of the cutterbar.

Automatic soft start system.

Controlled engagement of the header drive avoids peak loads.

Hydraulic reel drive.

Reel speed can be automatically adjusted relative to ground speed or manually controlled on the HOTKEY.
- Fast adjustment of the reel speed
- Large reel clearance height

Header drive.

Harvest at optimum levels with three options:
- Fixed speed feederhouse (for small grains)
- Variable speed feederhouse (for standard corn heads)
- Heavy-duty variable speed feederhouse (for chopping corn heads.)
Versatility meets productivity.

CLAAS corn heads are available in a range of sizes, from six rows to the industry's first 16 rows, and now to the all-new 18-row option. Incorporated with a broad range of row-spacing available: 20", 22", 30", 36" and 38-inch, this allows you to match your combine to your specific needs.

- 18-20
- 16-30
- 12-30, 12-22, 12-20
- 8-38, 8-36, 8-30
- 6-30

Powerful row units.

All CLAAS corn heads feature powerful and precise cutting action from its proven parallel “knife-to-knife” stalk roll design. Feeding is gently optimized using tapered gathering chains and advanced poly snouts* to ensure that each ear is picked, keeping material build-up to a minimum.

Adjusting to changing conditions is done quickly and easily with in-cab controls for header, feederhouse speed*, and deck plate adjustments. Every row unit is protected by an individual ratcheting slip clutch and flexible chain-coupled shafts. All row units use hardened bolt-on knives and rolled-edge deck plates for added durability.

Other CLAAS corn header standard features:

- Gear case driven row units and auger (20" and 22" row spacing)
- Front supported stalk rolls with adjustable, heat-treated knives
- Gathering chain with hardened pins and poly idler sprockets for extended life
- Durable poly snouts* for reduced friction and smooth feeding
- Single-unit coupling system for all hydraulic and electric connections

Please consult your LEXION dealer for header / machine compatibility.
A successful harvest next year begins with good residue management this year. Chopping corn heads in 30-inch row spacing available from CLAAS are the 8- and 12- row models. Each row unit is fitted with three rotating blades which are driven right from the row unit gearbox, allowing for stalks to be chopped while gently picking the ear.

*depending on model and configuration

A horizontal rotating knife under each row unit chops stalks finely so they will decompose quickly.
MAXFLO. New from CLAAS.

The MAXFLO is a revolution in draper head technology, providing optimal crop flow from a rigid platform header in all crop conditions without the need of a center feed belt.

Different from the usual systems.

CLAAS engineers have designed an innovative new intake system using an intake auger instead of the traditional center feed belt. Compression augers mounted laterally onto the intake auger provide a natural transition into the feederhouse.

This patented new flow design results in higher efficiency for greater machine performance and is ideal for wheat, soybeans and small grains.

New patented flow design.
How the technology works:

- Power is transferred to the synchronized knives via PTO shafts.
- No bulky additional adapter required.
- Feed drum speed can be adjusted to three settings (150, 200, and 250 rpm)
- The speed of the draper belts can be adjusted in CEBIS via the HOTKEY.
- The belts can be reversed from inside the cab.
- The unique form of the center-bearing supported reel prevents the crop from wrapping.

Header guidance with sensors.

On equipped combines and headers, six sensor bands are utilized for AUTO CONTOUR control and header guidance. Gauge wheels on the MAXFLO assist in maintaining header stability.

A CLAAS innovation: Two in one.

In areas where swathing is needed, the MAXFLO can be converted. A simple changeover enables the MAXFLO to convert into a swather platform:

- Remove the feed auger in the header
- Slide one of the two draper belts over, closing off the center feederhouse opening.
- Change the direction of the draper belts so both move in the same direction

Swathing is possible to the right or left. The result is an ideal windrow that can be harvested later.
The MAXFLEX header: down-to-earth quality.

To prevent substantial losses during harvesting crops close to the ground, maximum flexibility is needed in a header.

MAXFLEX 1200 and MAXFLEX 1050 headers from CLAAS are equipped with a flexible cutting knife that automatically adjusts to the changing ground contours (requires HP Feederhouse option). The cutting bar with a flex range up to 7 inches (180 mm). The split reel, split auger, and dual knife design works together with the HP feederhouse adjustments to maximize header performance in all field conditions.

MAXFLEX headers are also capable of harvesting small grain crops because the MAXFLEX technology has the ability to be locked into a rigid position. With the optional AUTO CONTOUR sensing bands the MAXFLEX header is able to closely follow the ground contour in even the toughest terrain while the stainless steel floor ensures excellent feeding at the same time.
Harvesting lentils and soybeans. Fast and easy.

Unmatched ground-contour capability.

The F900 and F750 both allow four inches of vertical flex range. All headers can also be locked rigid for use in small grains.

Both the F900 and F750 cutting angles can be adjusted using a spacer system to angle the knife up or down. The optional poly skid plates eliminate dirt buildup and reduce friction, resulting in better performance.

Other LEXION flex header standard features:

- Automatic reel speed/height control
- Adjustable reel fore/aft position from the cab
- Hydraulic reel drive
- Poly reel tines with adjustable tine pitch
- Adjustable, spring supported crop dividers for easy flotation
- Auger fingers across the full width of the header
- Single coupling system for all hydraulic and electric connection
- Spare knife
Consistent crop flow to enhance performance.

Using the VARIO head’s exclusive fore/aft cutter-bar adjustment, the operator is able to maintain a more consistent crop flow to the APS threshing system by adjusting the depth of the cutterbar (on-the-go) to match the needs of the crop.

- Ensures a more consistent performance
- Smooths crop flow
- Protects drive from unnecessary slugs

The new VARIO 1200 and VARIO 1050.

- New knife drive design with dual synchronized planetary drives offer unmatched smoothness and linear performance for maximum cutting performance
- Centrally supported reel and intake auger provide improved stability and optimal crop flow.
- Larger 26 inch (660 mm) diameter intake auger (on VARIO 1200) enhances crop flow and provides greater anti-wrapping protection, especially in tall crops like canola.
- External adjustable stripper plates make fine-tuning the header fast and easy.
- Hydraulically-driven side knives (optional) can be switched on and off as needed when harvesting canola.
- New overload protection feature ensures greater durability for more efficient and reliable performance.
Canola requires particular attention.

Ripe canola pods require careful handling while being harvested to prevent shatter loss. A rear grain catch pan and floor extensions are key components on VARIO headers.

With the VARIO, you have your choice of a 30 ft, 35 ft, or 40 ft cutting width.

The right cut.

The cutterbar table can be extended forward by 8 inches (20 cm) or shortened by as much as 4 inches (10 cm) from the standard rigid head position to keep the crop flow steady and ensure efficient operation.

When harvesting canola, the cutterbar table can be moved forward an additional 20 inches (50 cm) by installing the extension plates.

Hydraulically driven vertical side knives (optional) are installed when straight cutting canola and attach easily via quick connects.
The right technology for every challenge.

Dual blade rice knife.

The dual blade rice knives equipped on LEXION rice heads ensures maximum cutting performance when harvesting tough green straw.

Hardened intake auger.

LEXION rice heads are equipped with specially hardened table augers to protect against wear.

A powerful wobble box knife drive is a perfect match for the tough conditions often encountered during rice harvest. Optional AUTO CONTOUR sensing bands can be added to ensure a consistent cut.
SwathMaster: The pick-up specialist.

In areas where direct harvesting is not possible the LEXION once again shows its versatility. The SwathMaster pick-up header enables growers who windrow their crops the ability to harvest when the crop has dried down and is ready. This is an extraordinary benefit for these small grain growers.

Rake-Up – the unique pick-up system.

Similar to the SwathMaster, this header is distinguished by its cam track controlled pick-up conveyor. The controlled tines are mounted on six bars and retract downward when the crop is fed onto the belt. The feed belts run in the direction of travel and pass the crop to the intake auger with a two-part compressing rake maintaining an efficient crop flow. The speed of the intake unit can be adjusted continuously with hydraulic control from the cab.

The Rake-Up system provides gentler handling, which is ideal when harvesting in edible bean operations.
CLAAS CONTOUR.
Headers that operate with the CLAAS CONTOUR system are able to react faster and more efficiently to changes in terrain enabling the operator to maintain productivity. Preset cutting heights ensure the header returns to the optimum cutting height every time.

AUTO CONTOUR: faster and more accurate than ever.

When both combine and header are equipped with this option, AUTO CONTOUR quickly compensates for changing ground conditions. With the new working hydraulics providing 10% higher pressure, 50% more oil displacement, and new proportional valves, the AUTO CONTOUR system is better than ever. The new system regulates up to four preset cutting heights with even more speed and more precision than ever before.

- Electronic sensors detect the hydraulic pressure in the system and react quickly
- Valve-controlled, nitrogen-filled accumulators ensure optimal shock absorption with headers of different weights.

With a fully automated comparison of the current header position and the preset header height, the AUTO CONTOUR system adjusts the header height to the terrain. This simplifies harvesting by reducing driver fatigue, particularly with larger heads, at night, with lodged crops, on slopes and rocky ground. The intelligent AUTO CONTOUR system increases performance and makes the new LEXION even more efficient.

“Changing ground conditions shouldn’t affect the performance of our machines - we expect consistent results.”
Greater precision, higher performance. All automatic.

Automatic reel control.

Auto reel presets can be set to customize the reel’s performance to the specific needs of the crop. The operator can set up to four auto reel speed and height pre-sets. Adjustment can be made on-the-go to fine-tune performance when needed.

Different working heights of the reel can be saved and recalled for various cutting heights, however the reel height can always be directly independently adjusted.

VARIO automation.

The VARIO header with automated reel control enables the reel leveling and table position to be saved and recalled by activating the automatic header control. Manual adjustments can also be made.

Automatic functions:

- CONTOUR / AUTO CONTOUR
- Automatic reel speed
- Automatic reel height
- Automatic reel leveling
- Automatic VARIO table positioning
The APS HYBRID SYSTEM.
Further ahead.
“The APS HYBRID SYSTEM lets me get in the field earlier and stay out later, giving me the largest output per day during our limited harvest window.”
The ROTO PLUS Separation System features two 17.5 inch (445 mm) diameter paddle rotors that generate industry-leading separation force.
Further ahead. Greater benefits from the APS HYBRID SYSTEM.

The APS HYBRID SYSTEM – advanced harvesting technology from CLAAS – combines two proven technologies: the Accelerated Pre-Separation (APS) threshing system and the ROTO PLUS separation system to form the most productive threshing and separation system available.

Only CLAAS integrates both systems into one machine to achieve what other systems cannot.

This powerful duo offers exclusive harvesting advantages:

- Independent threshing and separation speed adjustment
- More adaptable to changing crops and conditions
- Optimum throughput

Further ahead of the others.

Two counter-rotating 17.5 inch diameter rotors generate more centrifugal force than combines with a single-rotor processor. This with the industry’s leading separation force, the ROTO PLUS system has the greatest separation capacity in the industry in every class.

Take advantage of the unbeatable combination of APS + ROTO PLUS.
APS threshing system.

Only CLAAS offers this outstanding high performance patented system. The APS cylinder gives CLAAS the competitive edge, positioned in front of the threshing cylinder. The APS accelerates material and pre-separates up to 30% of the grain before the crop enters the main threshing cylinder.

- The crop flow is evenly dispersed across the width of the machine
- Accelerates the speed of the crop into the threshing cylinder
- Up to 30% of all grain is pre-separated through the APS cylinder concave, significantly reducing the load on the main concave

Thus there is a net performance increase of up to 20% with no rise in fuel consumption.

Rasp bar threshing drum

The 24 inch diameter main threshing cylinder features 8 hardened rasp bars for extended wear.

Five different APS grate options are available. The easy to handle grates can be changed rapidly between crops by an access point from the rock trap area, maximizing combine output efficiency and profitability.
APS provides good results faster.

Overload protection increases daily output.

The concave is adjusted hydraulically from the operator’s seat with an exclusive parallel concave linkage which provides the best threshing characteristics. At the same time, integrated hydraulic overload protection prevents damage from foreign objects and enables you to use the full capacity of the machine.

Intensive threshing.

Optional intensive threshing segments can easily be installed to maximize threshing performance.

Dis-awning plate.

Dis-awning plates are an exclusive lever-operated blanking plate system used to enhance threshing performance. They can be engaged using a single lever to block off the concave below the APS Cylinder.

Synchronized function.

The APS cylinder, threshing cylinder and impeller are driven by a central variator. Each change in cylinder speed causes a corresponding adjustment of the APS and impeller.

The result is protective crop handling with even crop flow throughput.
ROTO PLUS. A superior total concept.

Double success.

The unique APS System enhanced by the exclusive ROTO PLUS concept results in the superior technology of the APS HYBRID SYSTEM, which once again demonstrates the superior CLAAS advantage.

ROTO PLUS separation.

The principle behind ROTO PLUS separation is simple. The rear APS impeller divides the material flow into two equal swaths that are thinner than if they were the product of a single or twin rotor combine without the benefit of Accelerated Pre-Separation (APS).

High performance rotors.

The ROTO PLUS system is made up of twin oval shaped tubes that are each fitted with a 17.5 in (445 mm) diameter by 13.75 ft long multi-crop paddle rotor, anchored just below the center of the tube which is ideal placement for optimizing separation performance.

Rotor covers shown in closed position.

Rotor covers shown in open position.

Optional adjustable rotor covers are controlled via the HOTKEY.
Conveniently adjustable rotor covers.

All 700 Series LEXION combines have the option to be equipped with adjustable rotor covers controlled from inside the cab via the exclusive CEBIS HOTKEY. The three settings options are: 1) All grates open, 2) First grate set closed, 3) First and Second grate set closed. Being able to control the open grate area allows for maximum performance in even the driest crop conditions.

Variable rotor speed adjustment (optional).

Rotor speed adjustments are made easily using the CEBIS dial. Rotor speed adjustment of 350 to 1050 rpm is made independently, allowing for more efficient adjustments on the go as field conditions change during harvest.

JET STREAM.

The JET STREAM cleaning system is specially designed to handle the leading throughput of the APS Hybrid system.

- Removable poly floor segments
- Dual-step cascade pre-cleaner with exclusive "jet blast"
- Large sieves (6 ft long top sieve and 5 ft long bottom sieve)
- Eight turbine fans (LEXION 770/760)
- Six turbine fans (LEXION 750/740/730)
- Optional GRAINMETER
Get it all. Residual grain separation.

The APS threshing system works so efficiently that the separation system of the LEXION has only 10% of the grains remaining to recover. The APS already separates 90% of the grain from the straw.

The even flow of the straw on the open-bottomed straw walkers with an extreme gradient angle ensures that practically all the grain is separated from the straw. A separate returns pan sends the grains on their way to the cleaning system.

Separation is accomplished over a total length of 14 ft 4 in (4400 mm) across four straw walker steps. The LEXION 670 is equipped with six straw walkers. Center and side extensions are available. Even large volumes of straw are moved quickly and loosely.

Thorough agitation of the crop mat is critical for high separation efficiency, particularly under difficult field conditions such as wet straw or green growth. The LEXION 670 is equipped with the multifinger separation system (MSS) to ensure effective residual grain separation under all conditions.
Effective straw walker technology.

MULTIFINGER SEPARATION SYSTEM (MSS) increases output.

MSS actively fluffs the crop with multiple controlled tines which dig into the straw. The tines reach into the mat of straw from above and aerate it while simultaneously speeding it up. The straw mat is thinned, making it easier for the remaining grains to fall out. The available length of the straw walkers is used more effectively, while the structure and quality of the straw is optimized. The operation speed of the tines can be adapted to changing harvest conditions.

Standard cleaning system (LEXION 670 only).

The high-capacity standard cleaning system offers effective airflow and efficient cleaning operation. Electrically adjustable sieves are standard.
Preparation pan.

Located below the APS System, the preparation pan starts the cleaning process using its exclusive shaking action to stratify the heavier grain to the bottom and the lighter chaff to the top. By using this method to transfer grain to the sieves eliminates the need for shoe augers that not only complicate the cleaning process by keeping the grain and chaff mixed together but can result in added damage to the crop caused by the augers. Once material travels to the end of the preparation pans the material flows over the dual ventilated cascade step allowing the chaff to be blown out of the sieve area. This decreases the work load on the sieves allowing for increased cleaning capacity.

Each segment of the preparation pan can be pulled out individually, via the rock trap for easy clean-out between crops or after harvest.

Cascade pre-cleaner.

The dual ventilated cascade step ensures intensive pre-cleaning. An extra wind tunnel from the turbine fans directly supplies this area an intense stream of air over the full width of the pre-cleaner enabling the lighter chaff to be blown free of the grain.
Clean work for brilliant results.

3-D cleaning system.
- Dynamic slope compensation actively controls the pitch of the top sieve
- Operating range up to 20% side slope
- Maintenance free with no additional moving parts
- Fast, simple retrofitting
- Together with the AUTO CONTOUR, it is the ideal “hillside package”

Returns and the GRAINMETER (optional).

Being able to see what is actually in the return elevator allows the operator to make smarter settings adjustments for improved performance. All LEXION combines allow the operator to look directly into the returns cross auger through the exclusive returns window located in the lower right hand rear corner of the cab.

Additionally, all LEXION models have the option to be equipped with the electronic returns monitoring system with a digital read out displayed on the CEBIS monitor.

And, for those who prefer the ultimate in returns monitoring, the exclusive GRAINMETER displays on CEBIS the amount of grain being carried within the volume of returns.
Up to 360 bushels of the highest quality grain.

Power folding grain tank extensions.

Introduced as an industry-first and standard on all LEXION combines is the power folding grain tank extensions. From the cab, the grain tank can be electronically folded out without the need to enter the grain tank. With the capacity of up to 360 bushels, the new LEXION demonstrates its capacity for true strength in productivity.

Fast unloading.

The high performance, robust auger system delivers up to 3.3 bushels of grain per second unloading rate, three unloading auger lengths (24.2 ft., 26 ft. and 28.2 ft.) are available to ensure extra clearance needed for large heads.
Convenient crop checking.

The observation window into the grain tank from the cab was enlarged by 50% from the previous 500 Series LEXION models to enable better visual inspection of harvested crop. The interior of the grain tank is also equipped with sensors that inform the operator via CEBIS and grain cart operators via rotary beacons when the tank is at 70% and 100% capacity. Also when operating at night, lights illuminated the interior of the grain tank.

A standard grain tank sample port provides constant access to clean threshed grain allowing for samples to be taken manually anytime. When a calibration of the bulk density for the QUANTIMETER is needed the sample tool provided can be placed in the integrated shelf of the sample port.

The QUANTIMETER measures and checks.

The function of the optional QUANTIMETER monitoring system is to measure the combine’s performance and yield according to a specific crop type. The moisture content and yield of the crop is monitored continuously and displayed in CEBIS or on the INTEGRA™ display if equipped.

The LEXION exclusive volumetric measurement system accurately measures the material in the clean grain elevator. The LEM sensor measures the material on each of the individual elevator paddles. Using appropriate correction factors, including the lateral and transverse tilt of the machine along with engine load speed, the QUANTIMETER automatically determines the precise yield harvested.

With the QUANTIMETER, system calibration is done simply and easily in one grain tank load. No need to do several load calibrations in every crop. Since the LEM sensor reads the amount of material on the paddles once the initial calibration is done, the system accurately reads out the yield.

Hydraulic chain tensioning of the elevator chain is standard with all machines equipped with the QUANTIMETER system.
The new LEXION has the best residue management options available.

After harvest is before harvest.

As yields increase, the amount of residue (straw and chaff) to manage also increases. What comes out the back of the combine is just as important as what goes in the front. Rapid, complete residue decomposition will improve next year’s planting season and yields - and ensure fewer passes across the field are needed to till the soil. Residue chopped to a uniformly short length and spread evenly across the full width of the field is a decisive factor in next year’s success. Several different residue management solutions are available.

MAV® (Maximum Air Velocity) Chopper.

After separation, straw or MOG (Material Other than Grain) leaves the separating rotors or walkers and falls directly into the chopper housing. Here it is uniformly chopped to a short length by rotating knives on a chopping rotor and stationary knives.

The MAV system features 60 knives (770/760/670) paired over the rotating drum with 31 stationary knives that can be engaged/disengaged according to crop type. The MAV drum also includes 6 winged fan blades on both ends to pressurize the MOG for an accelerated exit velocity and assure a uniform spreading width of up to 35 ft.

TURBO Chop.

The premium corn and soybean chopper option consists of up to 88 closely arranged dual-blade knives (770/760/670) spinning at up to 3450 rpm along with a bank of up to 62 counter knives to create finely chopped residue. Off the sieve, chaff is collected and blown by the chaff spreader mounted directly behind the shoe and distributed. Chopped straw is distributed and blown into stubble via the adjustable active spreader. With one bolt the tail board can be pitched up or down allowing the operator to adjust the residue spread pattern.
Ready for the next harvest with CLAAS residue management.

PRO Chop.

The Premium Small Grains Chopper option consists of up to 108 closely arranged dual bladed knives (770/760/670) spinning at a speed of up to 3450 rpm. A bank of up to 62 counter knives creates the recipe for extremely fine chopped residue. The chaff from the sieve is combined with the chopped straw before it is evenly distributed by the powered counter-directional discharge distribution rotors.

Accompanied with two pivoting discharge arms that swivel in front of the powered distribution rotors that direct the material, the LEXION has the ability to ensure a perfect and top-quality residue spread across the entire working width. From within the cab via the HOTKEY an operator has the ability to set the spreading width, spread direction, compensation for side wind, and the percentage of center overlap.

1. Spreading rotor
2. Paddle
3. Material flow
4. Outer deflector
5. Inner deflector

Setting the direction and width of spreading in CEBIS.
Optimal drive for best results.

Equipment development at CLAAS is an ongoing effort to achieve greater efficiency and reliability as well as optimizing profitability in the field.

This applies of course to all aspects of a CLAAS combine. The drive system is of decisive importance. And it requires a lot more than just a powerful engine.

At CLAAS POWER SYSTEMS (CPS), we have brought together the best components in a drive system putting them in a class of their own. One that always delivers the greatest power when needed. Ideally matched to the systems and with fuel-saving technology that quickly pays for itself.

For the new LEXION this means 15 years of development experience on the LEXION alone. The result is the best drive system ever from CLAAS, one that gives the greatest efficiencies.
“Spaced out fields, steep slopes and inclines – that shouldn’t keep me from bringing in a good crop.”
Modern high-performance engines.

Outstanding power delivery with low fuel consumption is assured with our selection of premium engines from Mercedes-Benz and Caterpillar.

Solenoid-valve-controlled single injection pumps, together with electronic engine management (from Mercedes-Benz), the improved mechanical electronic unit injection (MEUI-C) for the C13 ACERT T4i (LEXION 760 and 750), the common rail fuel system for the C9.3 ACERT T4i (LEXION 670), or the hydraulic electronic unit injection (HEUI) in the C9 ACERT T3 (LEXION 740 and 730), mean you can rely on the drive technology in the new LEXION. It provides long, productive performance with ease – even under the most difficult field conditions.

Meeting the strict Tier 4 interim emission standards, the T4i LEXION 700 Series models are using EGR/DPF fuel efficient technology from Caterpillar. Building on the CLAAS CPS technology, the LEXION is utilizing the new Caterpillar T4i engines coupled to a new more efficient engine environment (including reduced engine RPM and CLEAN SWEEP cooling). CLAAS is taking industry leading harvesting fuel efficiency to the next level.

- MB engine: OM 502, V8 T3 / 16 L (LEXION 770)
- Cat engine: C13 T4i ACERT / 12.5 L (LEXION 760/750)
- Cat engine: C9.3 T4i ACERT / 9.3 L (LEXION 740/730)
- Cat engine: C9 T3 ACERT / 9.3 L (670)
- Lowest fuel consumption in the industry
- Optimal power transmission

Up to 304 gal (1,150 L) fuel tank capacity (standard on LEXION 770 and 760, optional for LEXION 750, 740, and 730).
Never compromise on power.

Increasing performance requires reserves of power.

Extreme throughput requires corresponding reserved power. The electronic engine control in the LEXION delivers a power boost for optimizing engine performance if a drop in rpm occurs.

The engine power curve for the LEXION 760, 750, 740 and 730 has also been optimized for even better power delivery with reduced fuel consumption and a rated speed of 1900 rpm.

Intelligent cooling system with CLEAN SWEEP.

All LEXION Hybrid System models are equipped with a completely redesigned CLEAN SWEEP system. The automatic system continuously cleans the radiator in a sweeping motion to remove debris. In the LEXION 670, the automatic dust extractor continuously cleans the hydraulic rotating radiator frame.

Both systems provide the highest cooling performance and significantly reduce dirt accumulation in the cooling ribs.
Higher speeds? No problem: get from field to field in the blink of an eye at 25 mph (40 km/h).

Every minute a combine is in the field rather than in transport improves performance. If this were a stock race for combines, the LEXION 750 TERRA TRAC would be the undisputed favorite as the fastest combine on tracks in the world with the unsurpassed road speed of 25 mph (40 km/h).

Faster than any other combine on tracks.

The new generation TERRA TRAC enables the LEXION to get from field to field faster than any other combine – with the highest level of safety and driving comfort as well as outstanding track stability. TERRA TRAC facilitates longer harvesting days and significantly increases seasonal performance. Improved adaptation to ground contours, and lower machine stress with a integrated intelligent track system speaks for itself.

The new TERRA TRAC generation. More comfortable than ever before.

With TERRA TRAC, your LEXION gives you a smoother ride than ever before. A completely new intelligent design makes this possible: In the new TERRA TRAC, all components (drive wheel, idler wheel, and bogie wheels) are fully independently suspended, reducing shocks to the operator and combine, therefore increasing operator comfort and providing greater stability on curves.

Automatic leveling.

- The hydropneumatic suspension can be raised or lowered during operation by the use of hydraulic cylinders.
- The drive wheel, idler wheel and bogie wheels are independently suspended; hydraulic cylinders with integrated accumulators provide the suspension.
- The result is automatic leveling for improved stability on curves.
At 1.5 mph (2 km/h) the new generation III TERRA TRAC self leveling system engages automatically.

World-class on the road, gentle on the field.

TERRA TRAC at a glance.

When you protect the soil during harvesting and prevent soil compaction, you won’t have to worry about decreased crop yields next year.

- Transport width of just under 14 ft
- Soil protection: as low as 10.5 psi ground pressure
- Improved traction (rice/wet conditions/rolling terrain)
- Greater stability on slopes
- Less drive resistance, less slippage and lower fuel consumption
- 35 inch wide TERRA TRAC offers unmatched ground flotation performance

Soil protection
TERRA TRAC
Confidence in motion: comfort, mobility, soil protection.

Hydrostatic ground drive.

You can control the hydrostatic ground drive of the new LEXION using the multifunction control lever – without clutches, without switching gears – very easily and conveniently with the multifunction lever. Such operating comfort and convenience directly enhances performance with faster turns and optimal adjustment of the travel speed to changing field conditions. The all-wheel drive is your option for extra driving torque. For road travel you can select a top speed of up to 25 mph (available on LEXION 750 TERRA TRAC only), depending on the model.

Fuel savings on the road.

When you’re driving on the road, the LEXION 770, 760, and 750 (with 25 mph option) automatically reduces the engine speed for even lower fuel consumption. Of course, the full engine power at rated speed is available at start-up.

CLAAS 4-TRAC (optional).

Just a push of a button and the full tractive power of the new LEXION keeps you moving forward even under the most adverse ground conditions. The all-wheel drive works reliably and is nearly maintenance-free (greasing required).
<table>
<thead>
<tr>
<th>Front tires</th>
<th>Rear tires</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEXION</td>
<td>LEXION</td>
</tr>
<tr>
<td>770</td>
<td>770</td>
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<tr>
<td>760</td>
<td>760</td>
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<td>750</td>
<td>750</td>
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<td>740</td>
<td>740</td>
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<td>730</td>
<td>730</td>
</tr>
<tr>
<td>670</td>
<td>670</td>
</tr>
<tr>
<td><strong>TERRA TRAC</strong></td>
<td><strong>28 LR 26</strong></td>
</tr>
<tr>
<td></td>
<td>28 LR 26</td>
</tr>
<tr>
<td></td>
<td>28 LR 26 (4-TRAC)</td>
</tr>
<tr>
<td>620/70 R42 duals</td>
<td>620/70 R26 (4-TRAC)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>620/70 R42 duals (Michelin)</td>
<td>620/75 R26 (4-TRAC)</td>
</tr>
<tr>
<td>520/85 R42</td>
<td>620/75 R26</td>
</tr>
<tr>
<td>1050/50 R32</td>
<td>620/75 R26 Michelin</td>
</tr>
<tr>
<td>900/60 R32</td>
<td>620/75 R26 (4-TRAC)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>900/60 R32 (Michelin)</td>
<td></td>
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<tr>
<td>900/65 R32 for rice/cane</td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

- **Standard**
- **Optional**
- **Not available**

Drive train
Tires

61
At CLAAS, service isn’t just a word. It's a way of life.

Support around the clock.
You can depend on professional, reliable support from LEXION dealerships at all times. CLAAS North American spare parts depots and worldwide supply of spare parts respond quickly and offer reliable response time.

We’re there wherever you are.
Our spare parts warehouses in Columbus, Indiana and Regina, Saskatchewan deliver all ORIGINAL CLAAS parts quickly and reliably. No matter the size of your local dealership, CLAAS of America ensures parts will reach their destination fast, no matter where you are.

Our diagnostics are reliable.
The vast experience of our service specialists together with cutting edge diagnostic systems, such as the CDS remote option, allows for fast and easy diagnostics.
We speak the same language.

At CLAAS we strive to be Your Harvesting Specialist and in doing so we have an intimate knowledge of what farmers want. By training and offering our dealers with the knowledge and the most up-to-date diagnostic tools we have developed a strong, knowledgeable LEXION support team ready to meet your requirements for reliable service.

Service is close even when far away.

Every minute counts during the harvest. With CLAAS CDS remote diagnostics you gain valuable time, and so do we. Your local dealership along with our product support staff have direct access via the Internet to all the performance and electronic data of your LEXION, often enabling the problem to be solved remotely. If a service technician is required on site, your dealership will have all the necessary information in advance and can send any spare parts required right away.

Invest in the best. Invest in success!

CLAAS offers you the highest level of safety and professional expertise with service packages you can rely on and the individual CLAAS MAXI CARE® program.

Post-harvest and annual checks to ensure maximum performance, service contracts at fixed prices for greater reliability and a flexible selection of extended warranty options keep your costs transparent and predictable.

The comprehensive package for maintenance and repair:

- Post-harvest/annual check: Proper inspection keeps you better prepared
- Maintenance contracts. FIRST CLAAS quality with maintenance at a fixed price.
- MAXI CARE® – Reliable all-around extended protection
The new LEXION at a glance.

GPS PILOT / TELEMATICS

Deluxe cab

LASER PILOT

Ultra-narrow divider

Centrally supported reel

Patented material flow

Split knife

MultiCoupler

Reversible side draper belts

Hydrostatic reel drive

Swathing capable

Synchronized transmission drive

AUTO CONTOUR
Power folding grain tank

CEBIS

Mercedes-Benz or Caterpillar engine

ROTO PLUS

ON DEMAND Hydraulics

PRO CHOP

Chaff blower

4-TRAC

JET STREAM 3-D cleaning system

Returns pan

APS threshing system

Turbine fans

TERRA TRAC
The new LEXION. Further ahead in every way.

Cab.

- The new deluxe cab with optimized soundproofing provides an exceptionally quiet environment to enable you to focus on your work.
- Visual returns check from operator’s seat
- EASY: CEBIS, CRUISE PILOT option, automatic steering option and CLAAS TELEMATICS option guarantee unique comfort in steering and control
- Yield mapping and measurement as well as comprehensive order management

Headers.

- The revolutionary new MAXFLO draper header ensuring maximum throughput
- The AUTO CONTOUR function (standard on corn and small grain machines) intelligently controls the header to automatically compensate for surface irregularities in the direction of travel as well as those in the transverse direction
- The MAXFLO header, VARIO headers, rice header, MAXFLEX header, Flex headers, Non-chopping corn headers, Chopping corn heads, Rake-Up and SwathMaster pickup headers
Threshing technology.

- Up to 20% better efficiency with the APS threshing system than other threshing systems
- APS + ROTO PLUS = APS HYBRID SYSTEM: An original only from CLAAS
- JET STREAM cleaning system plus 3-D cleaning for slopes up to 20%
- Up to 360 bushel grain tank, discharging rate up to 3.3 bu/s
- Complete line of premiere residue management solutions

CLAAS POWER SYSTEMS (CPS).

- Caterpillar C13 and C9.3 compliant with the latest Tier 4i emission standards provide reliable reserves of power
- 50% faster Hydraulics system for increased response throughout the machine
- New road speed saves time: electrohydraulic ground drive up to 25 mph (40 km/h) (optional on LEXION 750 TERRA TRAC)
- New Generation III TERRA TRAC with industry leading suspension, performance and ride comfort (770/760/750)
## Threshing system

<table>
<thead>
<tr>
<th></th>
<th>770 / 770</th>
<th>760 / 760</th>
<th>750 / 750</th>
<th>740 / 740</th>
<th>730</th>
<th>670</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APS acceleration and pre-separation</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>MULTICROP concave</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Drum width in (mm)</td>
<td>67 (1,700)</td>
<td>67 (1,700)</td>
<td>56 (1,420)</td>
<td>56 (1,420)</td>
<td>56 (1,420)</td>
<td>67 (1,700)</td>
</tr>
<tr>
<td>Drum diameter in (mm)</td>
<td>24 (600)</td>
<td>24 (600)</td>
<td>24 (600)</td>
<td>24 (600)</td>
<td>24 (600)</td>
<td>24 (600)</td>
</tr>
<tr>
<td>with reduction gear rpm</td>
<td>166 – 483</td>
<td>166 – 483</td>
<td>166 – 483</td>
<td>166 – 483</td>
<td>166 – 483</td>
<td>166 – 483</td>
</tr>
<tr>
<td>Closed rasp bar threshing drum</td>
<td>●</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>7/16 concave</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>18 concave</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Round bar concave</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Concave wrap angle degrees</td>
<td>142</td>
<td>142</td>
<td>142</td>
<td>142</td>
<td>142</td>
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</tr>
<tr>
<td>Main concave area in² (m²)</td>
<td>1,955 (1.26)</td>
<td>1,955 (1.26)</td>
<td>1,645 (1.06)</td>
<td>1,645 (1.06)</td>
<td>1,645 (1.06)</td>
<td>1,955 (1.26)</td>
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<tr>
<td>Total threshing area in² (m²)</td>
<td>2,680 (1.73)</td>
<td>2,680 (1.73)</td>
<td>2,236 (1.44)</td>
<td>2,236 (1.44)</td>
<td>2,236 (1.44)</td>
<td>2,677 (1.73)</td>
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<tr>
<td>Electrohydraulic concave adjustment with overload protection</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Synchronized accelerator and impeller</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Automatic drum variator tensioner</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Large stone trap</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Rice threshing unit</td>
<td>●</td>
<td>●</td>
<td>●</td>
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## Separation

<table>
<thead>
<tr>
<th></th>
<th>770 / 770</th>
<th>760 / 760</th>
<th>750 / 750</th>
<th>740 / 740</th>
<th>730</th>
<th>670</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
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</tr>
<tr>
<td>ROTO PLUS high performance rotors quantity</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>–</td>
</tr>
<tr>
<td>Rotor length in (mm)</td>
<td>165 (4,200)</td>
<td>165 (4,200)</td>
<td>165 (4,200)</td>
<td>165 (4,200)</td>
<td>165 (4,200)</td>
<td>–</td>
</tr>
<tr>
<td>Rotor diameter in (mm)</td>
<td>17.5 (445)</td>
<td>17.5 (445)</td>
<td>17.5 (445)</td>
<td>17.5 (445)</td>
<td>17.5 (445)</td>
<td>–</td>
</tr>
<tr>
<td>Rotor area in² (m²)</td>
<td>5,735 (3.7)</td>
<td>5,735 (3.7)</td>
<td>4,650 (3.0)</td>
<td>4,650 (3.0)</td>
<td>4,650 (3.0)</td>
<td>–</td>
</tr>
<tr>
<td>Rotor speed rpm</td>
<td>–</td>
<td>–</td>
<td>800/640/500 (962)</td>
<td>800/640/500 (962)</td>
<td>800/640/500 (962)</td>
<td>–</td>
</tr>
<tr>
<td>Variable speed rotor rpm</td>
<td>360 – 1050</td>
<td>360 – 1050</td>
<td>360 – 1050</td>
<td>360 – 1050</td>
<td>360 – 1050</td>
<td>–</td>
</tr>
<tr>
<td>In-cab rotor cover adjustment</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>–</td>
</tr>
<tr>
<td>Straw walker separation quantity</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>6</td>
</tr>
<tr>
<td>Walker length in (mm)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>173 (4,400)</td>
</tr>
<tr>
<td>Separation area in² (m²)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>15,066 (9.72)</td>
</tr>
<tr>
<td>MULTIFINGER SEPARATION SYSTEM</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>●</td>
</tr>
<tr>
<td>Total threshing &amp; separation area in² (m²)</td>
<td>8,412 (5.43)</td>
<td>8,412 (5.43)</td>
<td>6,886 (4.44)</td>
<td>6,886 (4.44)</td>
<td>6,886 (4.44)</td>
<td>17,743 (11.45)</td>
</tr>
</tbody>
</table>

## Cleaning system

<table>
<thead>
<tr>
<th></th>
<th>770 / 770</th>
<th>760 / 760</th>
<th>750 / 750</th>
<th>740 / 740</th>
<th>730</th>
<th>670</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td><strong>TERRA TRAC</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JET STREAM cleaning system</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Standard cleaning system</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>●</td>
</tr>
<tr>
<td>Plastic prep pan (divided, removable from the front)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Cleaning fans</td>
<td>8-turbine</td>
<td>8-turbine</td>
<td>6-turbine</td>
<td>6-turbine</td>
<td>6-turbine</td>
<td>6-turbine</td>
</tr>
<tr>
<td>In-cab speed adjustment</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Dual ventilated step</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>3-D cleaning system¹</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Total sieve area in² (m²)</td>
<td>9,610 (6.2)</td>
<td>9,610 (6.2)</td>
<td>7,905 (5.1)</td>
<td>7,905 (5.1)</td>
<td>7,905 (5.1)</td>
<td>9,286 (6.0)</td>
</tr>
<tr>
<td>In-cab sieve adjustment</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Returns elevator (to APS)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Returns visible from the cab</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Electronic returns monitoring in CEBIS</td>
<td>–</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>GRAINMETER (includes electronic returns monitoring)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

¹ Standard for corn and small grain combine configurations, optional for rice combines.

² Standard for rice combine configurations 770, 760 and 750, optional for 740, 730 and 670.
## PRODUCT

### Grain tank

<table>
<thead>
<tr>
<th>Volume</th>
<th>770 / 770 TERRA TRAC</th>
<th>760 / 760 TERRA TRAC</th>
<th>750 / 750 TERRA TRAC</th>
<th>740 / 740 TERRA TRAC</th>
<th>730</th>
<th>670</th>
</tr>
</thead>
<tbody>
<tr>
<td>bu (l)</td>
<td>360 (12,686)</td>
<td>360 (12,686)</td>
<td>330 (11,629)</td>
<td>300 (10,572)</td>
<td>300 (10,572)</td>
<td>280 (9,867)</td>
</tr>
</tbody>
</table>

### Unloading auger swivel angle

| degrees | 101 | 101 | 101 | 101 | 101 | 101 |

### Unloading rate

| bu/s | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 2.8 |

### QUANTIMETER yield meter

|                | ●   | ●   | ●   | ●   | ●   | ●   |

### Residue management

- **PRO CHOP 108 blade straw chopper**: ●●●●●
- **PRO CHOP 72 blade straw chopper**: ––●●●
- **TURBO CHOP 88 knife straw chopper**: ●●●●●
- **TURBO CHOP 72 knife straw chopper**: ––●●●
- **MVP® chopper, 60 knives** (optional for rice): ●●–●●
- **MVP® chopper, 52 knives** (optional for rice): ––●●–●
- **Straw spreader**: ●●●●●
- **Chaff spreader** (optional for rice): ●●●●●

### Undercarriage

- **TERRA TRAC with suspension**: ––●●●
- **TERRA TRAC with full suspension (Generation III)**: ●●●●●
- **4-TRAC all wheel drive**: ●●●●●
- **2-gear transmission**: ●●●●●
- **25 mph (40 km/h)**: ––●●●
- **19 mph (30 km/h)**: ––●●●
- **16 mph (25 km/h)**: ––●●●

### Engine

<table>
<thead>
<tr>
<th>Model</th>
<th>OM 502 LA</th>
<th>C 13</th>
<th>Inline 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinders</td>
<td>number</td>
<td>V 8</td>
<td>Inline 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rated speed (rpm)</th>
<th>2000</th>
<th>1900</th>
</tr>
</thead>
</table>

| Engine capacity at rated speed (SAE) (hp (kW)) | 523 (390) | 500 (372) | 442 (330) | 360 (268) | 320 (239) | 2100 |
| Maximum power (SAE) (hp (kW)) | 563 (420) | 547 (408) | 482 (359) | 394 (294) | 354 (264) | 373 (278) |

### Fuel consumption monitoring

<table>
<thead>
<tr>
<th>Fuel tank capacity (gal (l))</th>
<th>304 (1,150)</th>
<th>304 (1,150)</th>
<th>304 (1,150)</th>
<th>304 (1,150)</th>
<th>304 (1,150)</th>
<th>304 (1,150)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotary screen</td>
<td>––●●●</td>
<td>––●●●</td>
<td>––●●●</td>
<td>––●●●</td>
<td>––●●●</td>
<td>––●●●</td>
</tr>
</tbody>
</table>

### EASY

<table>
<thead>
<tr>
<th></th>
<th>●●●</th>
<th>●●●</th>
<th>●●●</th>
<th>●●●</th>
</tr>
</thead>
<tbody>
<tr>
<td>TELEMATICS</td>
<td>●●●</td>
<td>●●●</td>
<td>●●●</td>
<td>●●●</td>
</tr>
<tr>
<td>Field mapping</td>
<td>●●●</td>
<td>●●●</td>
<td>●●●</td>
<td>●●●</td>
</tr>
</tbody>
</table>

### CRUISE PILOT

<table>
<thead>
<tr>
<th></th>
<th>●●●</th>
<th>●●●</th>
<th>●●●</th>
<th>●●●</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPS PILOT, LASER PILOT, AUTO PILOT</td>
<td>●●●</td>
<td>●●●</td>
<td>●●●</td>
<td>●●●</td>
</tr>
</tbody>
</table>

### Weight

<table>
<thead>
<tr>
<th>Wheeled machine without header, full fuel tank (lb (kg))</th>
<th>43,750 (19,850)</th>
<th>43,750 (19,850)</th>
<th>37,500 (17,000)</th>
<th>37,000 (16,785)</th>
<th>37,000 (16,785)</th>
<th>32,000 (14,515)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TERRA TRAC machine without header, full fuel tank (lb (kg))</td>
<td>49,750 (22,570)</td>
<td>49,750 (22,570)</td>
<td>43,500 (19,750)</td>
<td>41,875 (19,000)</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

1. Unloading rate for rice machines 2.8 bu/sec.
2. Small grains only.

● Standard  ○ Optional  – Not available

---

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. The annual AE50 award program is conducted and judged by the American Society of Agricultural and Biological Engineers (ASABE). Printed in the U.S.A.
### Heads

#### Draper heads

<table>
<thead>
<tr>
<th></th>
<th>MAXFLO 1200</th>
<th>MAXFLO 1050</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective cutting width ft (m)</td>
<td>40 ft (11.97)</td>
<td>35 ft (10.44)</td>
</tr>
<tr>
<td>Combine header adapter</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Knife drive</td>
<td>synchronized transmission drives on both sides</td>
<td>synchronized transmission drives on both sides</td>
</tr>
<tr>
<td>Center draper belt</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Patented MAXFLO feeding system</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Compression augers</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Stainless steel intake floor</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>In-cab draper belt reverser</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>In-cab draper speed control</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Side draper depth in (mm)</td>
<td>18.9-30.7 (480-780), for canola 42.5 (1080)</td>
<td>18.9-30.7 (480 – 780), for canola 42.5 (1080)</td>
</tr>
<tr>
<td>Rear wall extension</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Hydrostatic reel drive rpm</td>
<td>11 – 79</td>
<td>11 – 79</td>
</tr>
</tbody>
</table>

#### Automatic functions

- Multi-sensor AUTO CONTOUR
- Reel speed control
- Reel height adjustment
- Spare knife
- Stabilization wheels
- Crop lifters

#### VARIO heads

<table>
<thead>
<tr>
<th></th>
<th>VARIO 1200, VARIO 1050</th>
<th>VARIO 900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective cutting width ft (m)</td>
<td>40 ft (11.97), 35 ft (10.44)</td>
<td>30 ft (9.12)</td>
</tr>
<tr>
<td>Drive</td>
<td>synchronized transmission drives on both sides</td>
<td>single-side belt drive</td>
</tr>
<tr>
<td>Folding divider</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Spacing of knife to intake auger in (mm)</td>
<td>18.9-30.7 (480-780), for canola 42.5 (1080)</td>
<td>18.9-30.7 (480 – 780), for canola 42.5 (1080)</td>
</tr>
<tr>
<td>Knife</td>
<td>dual, synchronized drive on both sides</td>
<td>single</td>
</tr>
<tr>
<td>Cutting frequency Strokes/min</td>
<td>1334</td>
<td>1120</td>
</tr>
<tr>
<td>Reel and auger support</td>
<td>split reel and intake auger with central bearing</td>
<td>single reel and auger</td>
</tr>
<tr>
<td>Intake auger diameter in (mm)</td>
<td>26 (660)</td>
<td>22.8 (580)</td>
</tr>
<tr>
<td>Automatic functions</td>
<td>AUTO CONTOUR</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Reel speed control</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Reel height adjustment</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Reel leveling system</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Table positioning</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Spare knife</td>
<td>●</td>
</tr>
<tr>
<td></td>
<td>Crop lifters</td>
<td>●</td>
</tr>
</tbody>
</table>

#### Pick-up heads

<table>
<thead>
<tr>
<th></th>
<th>PS16 Swathmaster</th>
<th>PS14 Swathmaster</th>
<th>PS16 Rake-Up</th>
<th>PS14 Rake-Up</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trough width ft (m)</td>
<td>16 (4.9)</td>
<td>14 (4.3)</td>
<td>16 (4.9)</td>
<td>14 (4.3)</td>
</tr>
<tr>
<td>Pickup Drive</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
<td>Hydraulic</td>
</tr>
<tr>
<td>Hydraulic crop hold down</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Number of draper belts</td>
<td>9</td>
<td>8</td>
<td>9</td>
<td>8</td>
</tr>
<tr>
<td>Auger diameter in (mm)</td>
<td>24 (610)</td>
<td>24 (610)</td>
<td>24 (610)</td>
<td>24 (610)</td>
</tr>
<tr>
<td>Auger speed rpm</td>
<td>185</td>
<td>185</td>
<td>185</td>
<td>185</td>
</tr>
<tr>
<td>Automatic pickup speed</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Overall width (to tire edges) ft (m)</td>
<td>18.0 (5.5)</td>
<td>16.4 (5.0)</td>
<td>18.0 (5.5)</td>
<td>16.4 (5.0)</td>
</tr>
</tbody>
</table>

**Standard**, **Optional**, **– Not Applicable**
### Heads

#### Corn heads

<table>
<thead>
<tr>
<th></th>
<th>18-20</th>
<th>16-30</th>
<th>12-30</th>
<th>12-22</th>
<th>12-20</th>
<th>8-38</th>
<th>8-36</th>
<th>8-30</th>
<th>6-30</th>
<th>18-20c</th>
<th>12-30c</th>
<th>12-22c</th>
<th>12-20c</th>
<th>8-30c</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of rows</td>
<td>18</td>
<td>16</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>6</td>
<td>18</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>8</td>
</tr>
<tr>
<td>Row spacing</td>
<td>in</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>30</td>
<td>30</td>
<td>22</td>
<td>22</td>
<td>36</td>
<td>36</td>
<td>36</td>
<td>30</td>
<td>20</td>
<td>30</td>
<td>22</td>
<td>20</td>
<td>30</td>
</tr>
</tbody>
</table>

#### Row units

- **Flex heads**
- **MAXFLEX 1200, MAXFLEX 1050**
- **F900, F750**

<table>
<thead>
<tr>
<th>Effective cutting width</th>
<th>ft (m)</th>
<th>40 ft (11.97), 35 ft (10.64)</th>
<th>30 ft (9.12), 25 ft (7.60)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive</td>
<td></td>
<td>synchronized transmission drives on both sides</td>
<td>single-side belt drive</td>
</tr>
<tr>
<td>Folding divider</td>
<td>-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical flex range</td>
<td>in (mm)</td>
<td>7 (178)</td>
<td>4 (102)</td>
</tr>
<tr>
<td>Full fingered auger</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydraulic reverser</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrostatic reel drive</td>
<td>rpm</td>
<td>11 – 79</td>
<td>11 – 79</td>
</tr>
</tbody>
</table>

#### Automatic functions

- **AUTO CONTOUR**
- **AUTO PILOT**

#### Rice heads

<table>
<thead>
<tr>
<th>Effective cutting width</th>
<th>ft (m)</th>
<th>25 ft (7.6)</th>
<th>25 ft (7.6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive</td>
<td></td>
<td>single-side belt drive</td>
<td>single-side belt drive</td>
</tr>
<tr>
<td>Full fingered auger</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydraulic reverser</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrostatic reel drive</td>
<td>rpm</td>
<td>11 – 79</td>
<td>11 – 79</td>
</tr>
</tbody>
</table>

#### Automatic functions

- **CONTOUR**
- **AUTO CONTOUR**
- **AUTO PILOT**

#### Options

- **Rice heads**
- **R750**
- **Rigid Heads G750**

<table>
<thead>
<tr>
<th>Knife</th>
<th>Double knife-serrated</th>
<th>Fine-tooth knife</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spare knife</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Standard**
- **Optional**
- **Not Applicable**

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