Self-Propelled Forage Harvesters

JAGUAR
900 Series
800 Series
The JAGUAR forage harvester. 
900 / 800 Series.

Chopping counts.

At CLAAS, we work every day to make harvesting a little better. We do this with up-to-date machines, with real engineering skill, and above all - with mud on our boots. Once our machines have finished their work, another cycle from planting to harvesting begins again.

All our efforts are geared toward ensuring that people are able to come home at the end of the day with the satisfaction that they have done a good job. And every day we develop new ideas to keep things that way. Some outstanding examples can be found in the new JAGUAR.

As soon as it made its debut, the JAGUAR forage harvesters impressed with outstanding performance and low fuel consumption. And ever since, it has demonstrated how successfully CLAAS concentrates on consistent and practical development in this extremely demanding field. In this way, we ensure that it continues to be the most popular forage harvester in the world.
CLAAS value factor.
1 **The JAGUAR drive line**
   The most efficient design on the market. The chopping mechanism is driven directly from the engine for reduced fuel consumption without sacrificing power.

2 **Crop flow.**
   The crop flows in a straight line without any awkward angles. The crop is accelerated at each step and centered by the chevron arrangement of the knives and accelerator paddles for maximum performance with minimum power consumption.

3 **DYNAMIC POWER PRO (900 Series, 880, 860).**
   Automatic adjustment of engine output to the field conditions to ensure operation in the most efficient engine speed range for up to 10.6% fuel savings.

4 **MCC SHREDLAGE.**
   SHREDLAGE rollers have a sawtooth profile with a counter-directional spiral groove cut to process kernels thoroughly and chop cob fragments completely.

5 **Hydraulic shear bar locking.**
   Locks the exact setting reliably for precise chopping.

6 **NEW: V-MAX extended.**
   The new V-MAX extended knife arrangement offers a more symmetrical distribution of knives for a smoother and more constant crop flow.

7 **Automatic drum concave adjustment.**
   For even crop delivery over the entire service life of the knives.

8 **Variable speed header drive. (optional)**
   Manual or automatic engine speed adjustment in low load conditions for reduced wear on clutch.

9 **NEW: Weight counter for trailers.**
   Automatic weight counter (standard with the QUANTIMETER option) controls the weights loaded on up to 3 different trailers for properly loaded trailers and improved record keeping.
Uniquely JAGUAR.
800 and 900 Series Features.

The best crop flow in the industry.

Optimal crop flow is key to meeting output goals. The crop is accelerated at each step and is centered by the chevron arrangement of the knives and accelerator paddles. This means maximum performance with minimum power consumption. The JAGUAR consistently demonstrates outstanding results in terms of fuel consumption.

AUTO FILL. Extremely user-friendly. (Optional on all JAGUAR models)

AUTO FILL, using the principle of digital 3D image analysis, evaluates camera images to determine the outer edges as well as the filling level of the trailer driving alongside the JAGUAR. The system can also determine the point of impact as the chopped silage enters the trailer to automatically control the height and side to side direction of the discharge chute to the vehicle. The result is optimal trailer filling.

MULTI CROP CRACKER L: Larger, stronger, faster. (optional)

CLAAS offers the MULTI CROP CRACKER L (MCC L) on all JAGUAR 900 Series and 800 Series forage harvesters. The MCC L can be adapted quickly and easily to different harvesting conditions simply by changing the settings. The extremely rugged design ensures high-performance crop processing, even at very high throughput rates.

MULTI CROP CRACKER SHREDLAGE: (optional)

The MCC SHREDLAGE processor, now available on all JAGUAR 900 and 800 Series models, rips stalks lengthwise into planks and strings – effectively enhancing the fiber content, improving packing and exposing the inner cells of the plant for increased microbial activity. The corn plant is chopped significantly longer than before, but the corn kernels are still split several times.
DYNAMIC POWER PRO.
Intelligent power management (900 Series, 880 and 860).

DYNAMIC POWER PRO from CLAAS automatically reduces engine horsepower to what is needed to maintain ground speed and engine rpm. DYNAMIC POWER PRO adjusts the engine output to the field conditions in ten steps that ensure you are always operating in the most efficient engine speed range. These automatic adjustments provide fuel savings of up to 10.6% compared to models not equipped with DYNAMIC POWER PRO.

Ease of access: For accelerator cleaning and maintenance.

Removing the accelerator is easy for post-harvest cleaning or replacing wear parts. Two people can carry out the removal procedure in one hour.

Save time, energy and trouble.
- QUICK ACCESS: inspect the chopping unit in a matter of moments
- V-opening: for a clear view of the knives and shear bar
- Side opening: separation between the knife drum and intake
- Large side openings for easy access

Unmatched and unchanged – the drive.

The revolutionary drive concept of the JAGUAR was developed by CLAAS engineers in 1993 and still sets the standard today. The direct power transmission has proven itself thousands of times over in practical use. The chopping mechanism is driven directly to the cutterhead from the engine main clutch to ensure efficient power transfer versus a right angle gearbox.

EASY: Precision ag systems.

CAM PILOT.
CAM PILOT detects the windrow in three dimensions to steer the JAGUAR for increased speed and work rate.

Sensing with AUTO PILOT.
The ORBIS can be equipped with row sensing for 15 to 31.5” row spacing corn.

Third party compatibility.
The CANBUS open architecture allows you to plug and play your preferred guidance system for mapping, steering, or yield monitoring.
JAGUAR 900 Series.
Takes JAGUAR performance to another level.

Powerful and efficient: the engine technology.

The JAGUAR 900 Series is equipped with engines from MAN and Mercedes-Benz that comply with all Tier 4 final emission standards via Selective Catalytic Reduction (SCR). The engines offer impressive performance at 462 up to 684 hp.

The shielding design on the JAGUAR 900 Series increases airflow for the engine.

Comfort cab options.

Added options like special insulation on the cab rear window, along with thicker and anti-reflective coated glass inside the cab improve noise damping and reduce reflection and glare.
V-MAX and V-MAX Extended.
The V-MAX knife drum allows a chop length range of 4 mm to 44 mm with curved knives for strength and precise cutting. The new V-MAX extended knife arrangement offers a more symmetrical distribution of knives for a smoother and more constant crop flow.

Variable speed header drive.
With the variable speed header drive in the JAGUAR 900 Series, you’re set for more optimized crop flow, one that is especially designed for use with PICK UP or ORBIS headers. Operation is available in either automatic or manual mode, the intake and the header can be reversed independently, and a soft start and stop means reduced wear on your clutch.

DYNAMIC COOLING.
DYNAMIC COOLING can increase fan performance by up to 15% over standard cooling systems. This ensures sustained operation at maximum performance.
- Highly efficient variator drive
- Power saving of up to 20 hp
- Fan speed reserve of up to 15%

Hydraulic feed roll compression (optional).
The double hydraulic cylinder precompression ensures smoother crop flow by automatically adjusting the precompression rollers to maintain constant pressure in all intake heights. The operator is able to set the desired pressure from CEBIS and the activated system manages the pressure adjustments automatically.

Dual tire option. Best traction and ride in the market.
The drive axle on the JAGUAR 900 Series also means the forage harvester can now be equipped with duals – giving you higher stability while harvesting on slopes, lower ground pressure, and very high traction and tracking.

Front axle with differential lock.
JAGUAR 900 Series is equipped with a front axle with differential lock. For improved traction in wet conditions and in hilly areas, three modes are available:
- Always engaged (manual mode)
- Disengaged (automatic mode): Standard mode, automatic shutoff on headland
- Engaged (automatic mode): Recommended for driving with AUTOPilot
The SILAGE TECH™ package for the JAGUAR 900 Series forage harvesters is a combination of components that not only improve silage quality, but use the technology to save money with the new innovative insulated inoculant tank to meter the inoculant by the ton or moisture level. The NIR moisture sensor is a highly accurate sensor for measuring moisture. The auto chop length gives proven results by adjusting the length of cut based on moisture. Combining that with industry leading 3rd party GPS systems like Trimble / AG Leader / Field View to give accurate yield maps and steering.

**QUANTIMETER**
Yield sensor measures crop volume continuously to generate the yield maps and control inoculant used.

**Automatic chop length**
Set the length of cut of the crop dependent on moisture to get precise cut length to improve bunk density and for consistent particle size.
NEW: ACTISILER 37 insulated inoculant tank
Highly insulated inoculant tank that is integrated into yield and moisture sensor - apply just the right amount and save money.

NIR: (Near Infrared) moisture sensor
The near-infrared (NIR) sensor achieves a very high accuracy with 20 measurements per second – ideal for the documentation of harvest data for later use.

- Measuring range grass: 24-65% dry matter
- Measuring range alfalfa (lucerne): 29-65% dry matter
- Measuring range small grains: 24-60% dry matter
- Measuring corn: 24-60% dry matter

Fuel Consumption Monitoring
Provide real-time information to help determine any loss in power due to dull knives or plugged filters.

GPS Ready
The CANBus interface, monitor bracket, harnesses, and steering valve are all there ready to connect to your preferred system for GPS mapping and steering.

NEW: ACTISILER 37 insulated inoculant tank
Highly insulated inoculant tank that is integrated into yield and moisture sensor - apply just the right amount and save money.
JAGUAR 800 Series.
Powerful performance and reliability.

6 Speed mechanical feed rolls.
The powerful mechanical intake roller drive is transmitted via the drum shaft. The low-pressure hydraulic system tensions the 3-groove belt. A plastic disc brake ensures a quick stop when switched off. The chop length is mechanically adjusted in six stages.

V-CLASSIC knife drum.
The chevron-shaped knife arrangement of the V-CLASSIC drum produces a pull-through guillotine cut with minimum effort, and removable knives allow longer cut forage.

Mechanical all-wheel drive.
Under difficult working conditions, the electrohydraulically activated four-wheel drive provides maximum traction. The power is transferred directly to the rear axle via a drive shaft.
PICK UP headers from CLAAS.

The PU 380 PRO and PU 300 PRO headers feature excellent flotation over any terrain. A roller crop press helps smooth out windrows to maximize the capacity of the JAGUAR. The optional 3 speed drive gearbox that is recommended for use with the variable speed header drive.

DIRECT DISC: Mow and chop in one step.

The new MAX CUT mower bar, a feature that sets DISCO mowers from CLAAS above the competition, is a key part of the DIRECT DISC system providing stability and improved crop flow.

ORBIS: Row-independent corn headers.

The free-running drive and compact dimensions mean the ORBIS provides you with low power consumption and impressive maneuvering in the field or when turning, and with optional AUTO PILOT, reliable row guidance, as well. New in 2017 is a down crop kit available for ORBIS 900, 750, and 600.

RU 450 Xtra: Harvest in any direction.

The three large cutting and transport discs rotate counter-directionally to each other for lower power consumption and greater efficiency. The feeding fingers on the front reduce double cutting and keep the stalks engaged in the discs for more positive crop flow.
## Specifications.

### JAGUAR

<table>
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<tr>
<th>JAGUAR header width</th>
<th>10’</th>
<th>12’6”</th>
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### Self-propelled forage harvesters

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<td>hp / kW</td>
<td>626 / 460</td>
<td>516 / 380</td>
<td>462 / 340</td>
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### Self-propelled forage harvesters

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<td>800 / 588</td>
<td>626 / 460</td>
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CLAAS Service & Parts.
Whatever it takes.

Your needs matter.
You can always rely on CLAAS Service & Parts. We’ll be there whenever you need us, around the clock if necessary, to provide the perfect solution for your machine and your business. Whatever it takes.

Reliability can be planned.
With our service products, you can increase your machine reliability, minimize your risk of breakdowns and budget with confidence. CLAAS MAXI CARE offers planned reliability for your machine.

Worldwide coverage from Columbus, Regina and Hamm.
The CLAAS of America Parts Logistics Centers in Columbus, Indiana, and Regina, Saskatchewan, provide world-class parts support throughout North America for all CLAAS products. Supported by the CLAAS worldwide spare parts depot in Hamm, Germany, we provide the CLAAS dealer network with reliable, consistent parts availability and industry-leading responsiveness. Your local CLAAS dealer can supply the right parts solution for your business to maximize machine uptime.
Ensuring a better harvest.