

## CLAAS launches a new generation of AXION 900 large tractors

The CLAAS AXION 900 series of high powered tractors for contractors and larger farms was first launched in 2011 and quickly established itself on the market. It is particularly appreciated for its enormous tractive power, perfectly matched engine and transmission, exceptional ease of operation and high fuel efficiency.

CLAAS now presents the new generation of the AXION 900 series, which has undergone systematic refinement and offers many new features. These include more powerful engines with a low-speed concept, optimised CMATIC transmission control and the new CEBIS terminal with touch display and CMOTION multifunction control lever.

### Powerful engines and a new top model delivering up to 445 hp

All new AXION 900 models have the proven and highly sophisticated 6-cylinder FPT Cursor 9 engine with 8.7 litre cubic capacity. This engine meets all the requirements of the Stage IV (Tier 4) emissions standard. It also has a new, variable geometry turbo as standard equipment, delivering optimum charge-air pressure according to the current load and engine speed.

As a result, 70% of maximum torque is available even when idling. The maximum output of these models (AXION 920 – 960) has been increased and now ranges from 325 to 445 hp (in accordance with ECE R 120). As usual, the new AXION 900 tractors transfer their full power from a standing start and at all forward speeds without a boost.

### More torque at lower speeds

Thanks to the advanced low-speed concept, the AXION 900 engine develops 18% more torque than previously at a lower speed (up to 200 rpm lower). This reduces fuel consumption and guarantees optimum driving performance for all field and transport applications.

Further fuel savings of approximately 2 litres per hour are achieved by automatically reducing the idling speed from 800 to 650 rpm when stationary. In ECO PTO mode, up to 95% of the maximum engine output is transferred to the PTO shaft despite the reduced engine speed, allowing heavy implements to be operated at a lower engine speed.

### Continuously variable CMATIC transmission with updated hardware and software

All models in the new AXION 900 series are equipped as standard with the updated, continuously variable ZF Terramatic transmission which has proved itself in the AXION 800. It has been adapted to the higher output of these tractors and features outstanding stability and power transmission with a high mechanical component, providing optimum efficiency in all speed ranges from 0.05 to 50 km/h.

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The continuously variable CLAAS CMATIC transmission control system uses a new generation of software which incorporates many customer requirements identified under real-world conditions and further refines engine-transmission coordination. For example, cruise control can be deactivated with the accelerator pedal and the transmission adjusts more rapidly to the job in hand as the driver can switch between two saved engine droop values simply by pressing a button.

The new AXION 900 comes with the new CEBIS terminal with a 12-inch touch display and the proven ergonomic armrest with CMOTION multifunction control lever for convenient operation of all the main functions using the thumb and first two fingers. The new CEBIS offers many new functions for very fast and straightforward operation.

Its intuitive operating structure is based on the familiar CEBIS generation and has been further optimised for touch display use. One particularly convenient feature is the quick-adjustment facility for frequently-used tractor functions using DIRECT ACCESS, simply by tapping the machine silhouette on the CEBIS touch display.

The precise CLAAS GPS steering systems are available ex factory across all models in the range. The CLAAS TELEMATICS telemetry solution is part of the standard equipment package on all AXION 900 tractors.

#### Hydraulics with added convenience

All AXION 900 tractors have load-sensing hydraulics with an output of 150 or 220 l/min and release levers for all hydraulic couplings at the rear. Up to eight spool valves are available, operated electronically by means of rocker switches in the armrest and the ELECTROPILOT four-way control lever. In addition, the function buttons on the armrest and multifunction control lever can be configured for any of the spool valves. This reduces the driver's workload, especially during combined operations, as there is less need to change hand position.

#### Spool valve prioritisation for constant oil volumes

Using CEBIS the driver can assign priority to any spool valve. The pre-set oil volume for the prioritised spool valve then remains almost constant even when other spool valves are in use. This prioritisation option is useful, for example, with implements such as air drills that need a constant oil flow during operation to maintain a constant air speed.

A ramp up and ramp down for each spool valve can also be defined in the new CEBIS terminal, which allows the driver to specify how quickly a spool valve should deliver the pre-set oil flow. This allows hydraulic motors or smaller hydraulic rams, e.g. for the track marker, to be operated more gently with less material wear.

#### New lighting package and useful practical details

All new AXION 900 tractors are optionally available with different LED lighting packages. The packages include up to 20 LED work lights and LED road lights, including daytime road lights.

In addition, all models can be fitted with the removable tool drawer with telescopic runners which has proved so popular in the AXION 800 series. The drawer is big enough to hold a conventional standard toolbox, allowing the on-board tool kit to be changed to suit different types of work.

Another useful detail for practical day-to-day use is the easily accessible, external battery terminals on all models. This means that every tractor can be used as a power source with very little effort, e.g. for in-field refuelling. Wide-angle mirrors with two separately adjustable fields of view and a compressed air connection by the left-hand cab access steps are also available for the new AXION 900 as standard.

The new AXION 900 tractors will be unveiled to the public for the first time at Agritechnica 2017 and will be available to purchase from Spring 2018.

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**Notes to Editors - About CLAAS**

CLAAS ([www.claas.com](http://www.claas.com)) is a family business founded in 1913 and is one of the world's leading manufacturers of agricultural engineering equipment. The company, with corporate headquarters in Harsewinkel, Westphalia, is the European market leader in combine harvesters. CLAAS is the world leader in another large product group, self-propelled forage harvesters. CLAAS is also a top performer in world-wide agricultural engineering with tractors, agricultural balers and green harvesting machinery. The CLAAS product portfolio also includes state-of-the-art farming information technology. CLAAS employs 11,300 workers worldwide and reported a turnover of 3.6 billion Euros in the 2016 financial year.