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New engines for AVERO combine harvesters

Crucheray, July 2019. With their new engines, the AVERO combine harvesters now comply with the Stage V emission standard. In addition, the revised layout of the emission control equipment in the engine compartment improves access for maintenance.

Higher output with Stage V

Both the AVERO 240 and the AVERO 160 are now equipped with a new engine, the Cummins B6.7. With a displacement of 6.7 litres, it develops 213 hp/157 kW in the larger model and 167 hp/123 kW in the smaller one. Compared with the predecessor models, these figures represent an increase in output of 8 hp and 9 hp respectively. Compliance with the Stage V emission standard is achieved by means of SCR and DPF technology with a urea tank capacity of 49 litres. Neither model is equipped with exhaust gas recirculation.

The exhaust gas aftertreatment system for the new engine takes up significantly less space. As a result, the accessibility for maintenance is improved. Externally, this change is reflected in the reduced height of the engine cover, which is now at the same level as the closed grain tank.

Four straw walkers and APS

The AVERO 160 has a 1,060 mm wide threshing drum with a diameter of 450 mm. The AVERO 240 is equipped with the APS threshing system. Key benefits of the APS (Accelerated Pre Separation) system include high crop acceleration and the ability to separate up to 30% of the grains in a preconcave. This means up to 20% greater throughput for the same fuel consumption.

Residual grain separation in the AVERO 240 and 160 is performed by four straw walkers with four steps. Using its agitator tines, the intensive separation system is able to handle even large volumes of straw and ensures maximum separation of the residual grains.

A large grain tank is another factor which increases productivity. The grain tank volume is 5,600 litres. The unloading time is less than two minutes. The operator has a good view of the grain tank and grain sampling can be performed easily. An inspection window in the cab allows the returns to be checked directly.

Flexible with folding cutterbar available ex factory

The cutterbar mount has the same interface as that of the LEXION, featuring a central multicoupler, a practical central locking system and protective front attachment suspension. This allows all CLAAS standard cutterbars from the C 680 to the C 370 to be mounted, as well as the VARIO V 620, V 560 or V 500 cutterbar. A notable advantage of the VARIO cutterbars is that they can be converted quickly, from harvesting grains to rapeseed, for example.

Both models are also available ex factory with the C 450 folding cutterbar. Advantages of folding cutterbars: they do away with the need to attach and detach the cutterbar, ensure optimal handling with excellent visibility and allow transfers from field to field with practically no interruption. During transport, too, whether on field tracks, narrow roads or in dense traffic, the folding cutterbars offer outstanding visibility and transport characteristics.

Comfortable workplace with high-tech equipment

A spacious and ergonomic cab makes for a less strenuous working day in the AVERO 160. From setting the cutterbar and adjusting the threshing concave to checking the returns – the entire combine harvester can be controlled and monitored from the cab. And all this is performed by means of user-friendly controls, such as the multifunction lever and the adjustable steering column. The CLAAS INFORMATION SYSTEM (CIS) keeps the operator informed about key machine data from the fuel level and temperature display to figures for the throughput speed, fan speed and threshing drum speed.

Picture:

<https://dam.claas.com/pinaccess/showpin.do?pinCode=Z5s0JfivZEW M>

Journalists please note:

This is an international press release. The product range and equipment variants can vary in certain countries. If you have any questions, please contact the CLAAS sales and marketing company or the CLAAS importer in your country.

About CLAAS

CLAAS (www.claas-group.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 over 11,000 workers worldwide and posted sales of 3.8 billion euros in the 2018 financial year.

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