



New medium wheel loader class from CLAAS

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## **New TORION mid-range from CLAAS: Uncompromising performance gains in every respect**

*CLAAS is renewing its medium-sized TORION series with the introduction of the new 1285, 1611 and 1611 P models. In addition to more engine and hydrostatic drive power, the wheel loaders are characterized by a new Z-kinematic with stronger lift arms and unique comfort features.*

Since 2018, CLAAS has been offering wheel loaders for the agricultural sector in numerous European markets through a cooperation with Liebherr. Three

series with a total of 11 models cover operating weights from 4.6 to 20 t and engine outputs from 46 to 245 hp. To date, more than 1,000 units have been delivered to satisfied customers.

### **New mast with Z-kinematics and more shovel volume**

After the two flagships of the TORION construction program, the TORION 1913 and 2014, received higher lifting and holding capacity as well as greater loading height in 2021, these performance-enhancing features are now also finding their way into the medium-sized TORION series. In addition to its first-class reactivity, the newly developed Z-kinematic is characterized by reinforced and lengthened lifting arms with larger hydraulic rams and more powerful hydraulic pumps. This increases the lifting power and transfer height, with 100% parallel guidance being guaranteed at the touch of a button. Thanks to the new Z-kinematics, there is significantly more lifting power, especially in the lower lifting range, as well as more holding power in the upper lifting range, so that larger shovel volumes and heavier bale grabs can be used. Lift volumes up to 4.5 m<sup>3</sup> with a high bulk density and up to 7.0 m<sup>3</sup> with a low bulk density are available with the light goods bucket, and up to 4.5 m<sup>3</sup> with the high-tip bucket.

In order to be able to absorb the higher lifting and breakout forces, the steel construction of the front end has been reinforced. The new mast includes extra reinforcing, for example on the lift arms and the cross tube. At the same time, the axles on the TORION 1611 and 1611 P have also been reinforced. The operating weight increases accordingly to 15,810 and 15,200 kg respectively. The TORION 1285 has an operating weight of 13,570 kg.

In addition to the standard version with Z-kinematics, all three models with ZHL equipment can be supplied with HIGH LIFT masts. Depending on the model, the bucket pivot point increases by 52 to 58 cm to 3.85 to 4.52 m.

### **Uncompromising loading comfort**

However, the new medium-sized TORION series is not only strong, but also smart. In addition to the bucket return, the upper and lower end positions of the mast can be saved for two implements using the automatic lifting height and lowering depth control. The tipping assistant provides further relief. To make billing easier for biogas plants and contractors, all models can be equipped with a weighing device with addition memory and back-weighing function.

The shaking function, which allows the bucket to be unloaded in a controlled manner, offers considerable added value. The automatic return of the HL high-tip bucket and the perfectly coordinated end position damping relieve the driver and enable fast loading manoeuvres.

### **Strong propulsion for faster loading**

In order to enable faster cycle times with increased payload and higher operating weight, all three TORION models in the middle series have greater engine power and larger drive pumps and hydrostats for the VARIPower drive. The TORION 1285 with its 157 hp replaces the previous TORION 1177 and 1410 models with 137 and 165 hp respectively, while the TORION 1611 has an increase in output to 207 hp (+23 hp compared to the previous TORION 1511) and the TORION 1611 P has an increase in output of 45 hp to 252 hp. Thanks to the speed reduction, a higher torque is already available at low speeds. The TORION 1611 P in particular benefits from this, as the additional output is noticeable and pays off, especially when working in silos and for fast straw handling.

The more powerful components in the travel drive result in more traction and further improved driving dynamics. This and the use of the demand-dependent DYNAMIC COOLING engine cooling makes it possible to significantly increase the charging capacity with the same low fuel consumption. Nevertheless, the travel drive, which can be used in three driving ranges, can still be controlled extremely sensitively, with both axial piston pumps being connected in series for maximum traction in driving ranges I and II. Thanks to the cruise control with speed memory, precise, comfortable work with hydraulic permanent consumers such as silo distributors and brooms is possible. For driving on the road in driving range III, only one pump is used and the engine speed is also lowered via SMART ROADING (TORION 1611 P: 40 km/h at 1,600 rpm), which significantly reduces fuel consumption.

### **All features and innovations at a glance:**

- Newly developed Z-kinematic with more lifting and holding power over the entire lifting range and increased loading height.
- High-precision parallel guidance at the touch of a button.
- ZHL HIGH LIFT mast with 52 to 58 cm higher bucket pivot for all models.
- Larger bucket volumes for earthmoving buckets, light material

- buckets and high-tip buckets.
- SMART LOADING for automated loading cycles with automatic bucket return and automatic lifting height and lowering depth.
- Perfectly matched end position cushioning for quick and easy loading.
- Optional weighing device with addition memory and back-weighing function.
- Reinforced front and rear axles.
- 23 to 45 hp more engine power; maximum torque at reduced engine speed for more power, more power reserves and less consumption.
- Larger travel pumps and hydrostats for VARIPOWER travel drive in connection with the increased engine performance and the higher operating weight result in measurably more traction and driving dynamics.
- Cruise control with speed memory makes it easier to work with permanent hydraulic consumers.
- SMART ROADING for fuel-efficient road travel (TORION 1611 P: 40 km/h at 1,600 rpm).

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### **About CLAAS**

*CLAAS ([www.claas-group.com](http://www.claas-group.com)) is a family business founded in 1913 and is one of the world's leading manufacturers of agricultural machinery. The company, with Head Office in Harsewinkel, Westphalia, is the world market leader for forage harvesters. CLAAS dominates the European market in another core segment as well – combine harvesters. CLAAS also holds the top spots in global agricultural technology with its tractors as well as its agricultural balers and grassland harvesting machines. Cutting-edge agricultural information technology also forms part of its product range. CLAAS employs more than 11,900 staff worldwide and in 2021 generated a turnover of 4.8 billion euros.*

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