

# Exciting New Doosan Product Display at Bauma 2019

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Doosan Construction Equipment will be showing a wide range of new products for the first time at the Bauma 2019 exhibition. The new products include the Stage V DX27z, DX35z, DX62R-3, DX63-3 and DX85R-3 mini-excavators, the new DX250WMH-5 25 tonne material handler, the new Stage V DX300LC-7 30 tonne excavator, the new DX800LC-5B 80 tonne excavator and new 30 and 40 tonne class Stage V compliant articulated dump trucks (ADTs). Doosan will also be showing the company's new DL280-5, DL420CVT-5 and DL580-5 wheel loaders for the first time at Bauma.

The new Stage V compliant 2.7 tonne DX27z and 3.5 tonne DX35z zero tail swing (ZTS) models enhance Doosan's range of mini-excavators, providing a best-in-class mix of superb stability, smooth controllability and high digging forces, complemented by low weights for easy transportation.

As a true ZTS machine (even with the optional heavy counterweight), the DX27z offers the highest flexibility of movements when working close to walls, coupled with best-in-class 360-degree stability and a low weight for easy transportation. The DX35z is a new generation model in the popular 3.5 tonne machine class offering the additional benefits of ZTS design. This excavator provides the best possible mix of compactness, a large operating range for the workgroup, great stability and a large and comfortable operator area.

## New Stage V 6 and 8 tonne Mini-Excavators

The DX27z and DX35z will be shown alongside new Stage V versions of the company's very successful DX62R-3 and DX63-3 6 tonne and DX85R-3 8 tonne mini-excavators.

The new Stage V DX85R-3 8 tonne reduced tail swing (RTS) excavator from Doosan is powered by the Yanmar 4TNV98C Common Rail direct injection diesel engine, providing 44.3 kW of power at a rated speed of 2100 rpm. The new Stage V versions of the 6 tonne DX62R-3 RTS and DX63-3 conventional tail swing models are powered by the same Yanmar 4TNV98C diesel engine, providing a massive 22% increase in engine power over the previous generation models.

Moving up in size, Doosan will be showing the new DX250WMH-5 25 tonne Stage IV compliant material handler for use in the solid waste, recycling, demolition and forestry industries. Based on Doosan's popular DX210W-5 21 tonne wheeled excavator, the new DX250WMH-5 material handler has been designed specifically for a wide range of material sorting and handling applications such as those in the scrap metal

and other solid waste and recycling industries, as well as logging.

Designed to carry out the toughest tasks, the DX250WMH-5 is built with front and rear stabilizers, and a boom and arm specifically designed for material handling tasks. A standard feature is the hydraulic cab riser, which gives the operator better all-around visibility of the attachment and work area. When combined with the rear view camera display in the cab, the operator has excellent visibility of the job site.

Bauma 2019 will provide the ideal platform for the first view of the next generation of Doosan medium size crawler excavators in the form of the new Stage V compliant DX300LC-7 30 tonne excavator. The DX300LC-7 offers an unmatched combination of high performance, operating features, fuel efficiency, reliability and durability in the 30 tonne excavator class.

As visitors to the Doosan stand at Bauma will see, the company's 'LC-7' Stage V excavators, such as the new DX300LC-7, build on the very successful design of the previous Stage IV machines. The new LC-7 excavators introduce major enhancements in operator comfort, machine controllability, productivity, uptime and return on investment, with a strong focus on low fuel consumption, increased power, robustness and versatility.

## **Increased Comfort and Controllability**

Already excelling in spaciousness and ergonomics, the new cab in the DX300LC-7 takes operator comfort and ease of operation to unheralded levels. The new cab offers more features as standard than other machines on the market, ensuring super controllability and high precision in all applications.

The new DX800LC-5B 80 tonne crawler excavator offers optimum value to the end-user thanks to outstanding productivity, high fuel efficiency, superior comfort for the operator, enhanced reliability, durability and maximum uptime. It is therefore designed to meet the needs of heavy duty mining and quarrying applications as well as major infrastructure construction projects.

## **Best-in-class Productivity**

Built with high quality, proven main components and offering a very robust design, the DX800LC-5B enables customers to work in environments where avoiding downtime is critical. In fact, the use of superior components throughout, specifically customized for use in large equipment, ensures this new machine offers best-in-class power, productivity and durability.

The state-of-the-art designs and developments in the new Stage V ADTs have resulted from intensive market analysis, customer visits, interviews with operators and additional feedback gathered by the Product/R&D

teams at Doosan's ADT plant in Molde in Norway.

In 2018, the DA30 ADT was upgraded with a range of features including a new cab, a new self-levelling front suspension and a new tandem bogie system which are all incorporated in the new Stage V model. A similar process has been applied in the new 40 tonne Stage V machine, with a new cab and a semi-levelling front suspension that adjusts itself independently depending on the operating conditions to ensure a comfortable working environment for the operator.

As well as these changes, the new Stage V models offer many more features - one of the most eye-catching is a new design for the front frame and bonnet components on the trucks, created by the Doosan Design Team in accordance with the latest trends in the market.

Complementing the striking external changes on the new ADTs, are the new Scania Stage V compliant 9 and 13 l engines that now power the machines. The new Scania engines have undergone two years of very intensive testing in exacting construction and mining environments over the last two years and have passed with flying colours. Whilst the core of the Scania engines has not changed, the main difference in the new engines from their predecessors is the improved after-treatment system.

## **First Time For New Doosan Wheel Loaders at Bauma**

Offering a dedicated design for waste and recycling and general industrial applications, the new DL280-5 will be shown in its full waste industry configuration at Bauma. The 'Waste Kit' includes protectors for lifting and bucket cylinders, articulation, rims, lamps, the rear engine bonnet and the front windscreen, which is tiltable for easy cleaning. The DL280-5 is tailored for waste applications, with a wide core radiator and heavy duty axles, which are approved for the use of solid tyres. The DL280-5 offers high performance and high productivity with an outstanding breakout force, tipping load and enhanced output. The DL280-5 features Z-bar kinematics with a simple lifting piston system designed for heavy-duty applications.

With a maximum bucket capacity of 4.4 m<sup>3</sup>, the DL420CVT-5 combines the benefits of a mechanical and a hydrostatic transmission in the same machine. This allows the DL420CVT-5 to automatically transition from hydrostatic power at low speed to the mechanical system to operate at higher speeds. The complete driving range, forwards and in reverse, is controlled by the CVT system, which can provide fuel savings of up to 25%.

The new DL580-5 has a bucket capacity of 6.4 m<sup>3</sup> and a similar look to the next model down the range, the DL550-5, but features robust structural components and an advanced sophisticated double circuit axle cooling system to provide an ideal solution for applications such as block lifting and other heavier material-

handling needs. To meet these requirements, the DL580-5 has an operating weight of 36030 kg and higher static tipping loads (straight/full turn 40°) of 29700 and 26200 kg, respectively.

Source: Doosan Bobcat EMEA PR / Media Representative