

New Doosan 5 tonne Stage 3B Compliant Wheeled Excavator

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At Bauma 2016, Doosan Construction Equipment will be showing the company's new 5 tonne DX57W-5 Stage IV compliant wheeled excavator for the first time. In addition to complying with the latest Stage 3B emission regulations, the DX57W-5 incorporates many new features that increase performance, durability and fuel efficiency.

The DX57W-5 has increased power from the 42.5 kW (52.3 HP) Doosan D24 4-cylinder engine which also offers convenience and lower costs by meeting Stage 3B emission regulations without the need for a diesel particulate filter (DPF), through the use of cooled exhaust gas recirculation (EGR) and diesel oxidation catalyst (DOC) after-treatment technologies.

Factory tests show a 15% increase in fuel efficiency, depending on the mode of operation and the work being done. A new ECO Gauge on the control panel helps the operator to lower fuel consumption by providing real time monitoring of fuel rate and there are auto idle and fuel efficiency menus. The availability of three power modes (Eco, Standard and Power) and three work modes (Digging, Breaker and Shear) improves controllability and versatility.

The new cab on the DX57W-5 offers more space for the operator and the controls for various functions have been grouped together for better ergonomics. The DX57W-5 has a new 7-inch TFT LCD adjustable and user friendly colour monitor control panel with a more attractive display and more functionality. The pressure and flow for the hydraulic attachment on the excavator can be adjusted from the main monitor in the cab.

Other comfort features of the new cab include a fully automatic climate control system with more air nozzles and additional storage compartments.

Fast workgroup movements enable the D57W-5 to achieve a high degree of productivity. The maximum digging depth is 3795 mm, the maximum digging height is 6170 mm and the maximum reach at ground level is 6400 mm.

Equipped as standard in the single tyre configuration, the operating weight of the DX57W-5 is 5.79 tonne. A dual tyre configuration is available as an option. The DX57W-5 offers two travel speed ranges, with a maximum travel speed of 30 km/h.

The steering wheel can be positioned to suit the operator. The position and angle of the seat cushion as well as the position of the consoles can be adjusted independently of each other. Additional comfort is provided by the adjustable seat back and the lumbar support. A seat heater is available as an option. A cab light, sun visor and side mirror are standard equipment.

The undercarriage consists of a rigid, welded frame which provides excellent durability. The routing of hydraulic lines, protection for the transmission and heavy duty axles make the undercarriage ideal for wheeled excavator applications.

In addition to the normal trenching and groundwork jobs, the superior stability and lifting capacity of the DX57W-5 allow the excavator to be used for applications such as truck loading and unloading and moving pipes and materials in the working area. For maximum safety during all operations involving lifting work, the DX57W-5 is equipped with an overload warning device as well as safety valves in the boom and dozer blade hydraulic systems.

To maximise durability, the DX57W-5 is equipped with EM (Enhanced Macro-surface) boom and arm bushings, which are also much more effective than regular bushings when greased. There are less welding points on the boom and arm for increased durability and filters have been regrouped in the pump compartment for easier serviceability.

Source: Doosan Bobcat EMEA