

Important product launch year kicks off for JCB at bauma 2016

1 April 2016 by JCB

BAUMA 2016 will see the international launch of a range of new products from JCB – including the innovative 3CX Compact backhoe loader and four wheeled loaders with Command Plus cabs.

In addition JCB's range of site dumpers from one to 10 tonnes – already being sold with great success in the UK and France – will be launched to the German market.

JCB Chief Innovation and Growth Officer Tim Burnhope said: "2016 is an important year for JCB with the launch of some great new products. Bauma will be the first international outing for the 3CX Compact which has just gone into production. Feedback on this machine is fantastic.

"We are also very excited about the launch of a range of new wheeled loaders. The Command Plus cab has already met with rave reviews from users of our flagship 457 model and its introduction on other machines in the range gives us some great opportunities for growth."

INNOVATIVE 3CX COMPACT - DELIVERING BIG MACHINE PERFORMANCE

The world's number one backhoe loader manufacturer will launch the innovative 3CX Compact - designed to deliver big machine performance for confined job sites – at Bauma 2016. A pioneer of the compact backhoe loader, with the popular 2CX, JCB is taking the concept to a new level, to meet the demands of the construction sites of tomorrow. The 3CX Compact is the perfect machine for road resurfacing and repair contractors, utilities, groundworkers and municipalities working in the confines of congested urban construction projects.

Key features include:

- **Compact dimensions** - just 1.9m wide and 2.74m high, for maximum manoeuvrability
- **Rapid travel** - 40km/h hydrostatic transmission, 17% faster travel speed than the 2CX
- **Total control** - servo excavator levers and smooth hydraulics deliver 19% more flow
- **Maximum manoeuvrability** – 4WS provides a 5.8m turning circle, within a carriageway

- **Highly versatile** - a choice of 2CX and skid steer hitches plus an excavator quick-hitch

Tim Burnhope said: "With the 3CX Compact, JCB has condensed over 60 years of backhoe loader expertise and market leadership into a machine that delivers all of the versatility, productivity and ease of use of the market-leading 3CX, with even more manoeuvrable dimensions.

"Its small footprint and incredible all-round visibility is perfect for working in congested urban areas, it's easy and intuitive to use, has great mobility and manoeuvrability and with servo controls, will suit operators of backhoes and excavators.

"With the 3CX Compact we are delivering a real master of all trades, a machine that is suitable for operation in road maintenance, urban construction, utility work, or any task that requires maximum performance in a compact package."

The 3CX Compact is powered by a low emission Tier 4 Final/Stage IIIB JCB Diesel by Kohler engine, delivering 74hp (55kW). This highly efficient engine meets both US and European emissions standards without the need for a costly diesel particulate filter (DPF) or any exhaust after-treatment or exhaust fluid.

JCB BOOSTS MID-RANGE LOADER PERFORMANCE AND COMFORT

JCB is upgrading its mid-range wheeled loader range, introducing the proven DNA from its range-topping 457 wheeled loading shovel to the 427 and 437 models, along with the smaller 411 and 417 loaders.

Key features include:

- JCB's CommandPlus Cab delivers class-leading comfort and visibility
- Innovative CommandPlus Control system
- Tier 4 Final/Stage IV compliant engines with no costly Diesel Particulate Filter
- Single-piece bonnet for improved service access
- Range of loader arms to suit various industry applications
- Optional Wastemaster package available

Clean Performance

JCB's new 411 and 417 wheeled loaders are powered by the company's own EcoMax Tier 4 Final/Stage IV compliant diesel engines, delivering 81kW (108hp) in the 411 and a powerful 108kW (125hp) in the 417. The larger 427 and 437 loaders operate with a Tier 4 Final/Stage IV Cummins diesel engine, offering 133kW (179hp) and 136kW (183hp) respectively.

In line with JCB's overall emissions policy, both of these engines meet the latest emissions standards without the use of a costly Diesel Particulate Filter (DPF), reducing operating costs and complexity for the customer. All Tier 4 Final loaders now feature a single-piece engine hood that can be electrically or manually raised to provide improved service access to the engine and cooling pack. The machines drive through automatic powershift transmissions for maximum productivity and efficiency.

All four of the new wheeled loaders will use the JCB CommandPlus cab, first seen last year on the larger 457. This totally new ROPS structure has B pillars that have been moved out to the same width as the rear of the cab, providing a larger interior with a panoramic front windscreen. The machines feature JCB's Command Driving Position, with revised pedals, an adjustable steering column and seat-mounted hydraulic controls.

Switches and auxiliary controls have been repositioned on the right hand B pillar, providing the operator with a simplified interior and easy access to all machine controls. The loaders have full colour LCD screens that incorporate access to the loader's operating menus and act as a monitor for a rear view camera.

JCB's CommandPlus Control system allows the operator to adjust auxiliary flow rates on the main screen. It is also possible to use the monitor to adjust SRS boom suspension engagement speeds where fitted, and the timing of cooling fan reversal to clean out the cooling pack cores. The screen also offers an operator help system, that lists switch functions if required.

The cab benefits from increased internal space, as the heating, ventilation and air conditioning system has been repositioned outside the main cab structure. This provides additional storage for the operator, both behind the seat and in pockets in the front and side consoles. The new cab, in combination with on-demand cooling fans and the Tier 4 Final engines contribute to a cut in noise and vibration, reducing operator fatigue and boosting productivity.

Operators benefit from a range of seat and control options, with electro-hydraulic proportional auxiliary controls now fitted as standard. An electric parking brake is standard on the 427 and 437 and available as an

option on the smaller models. The exhaust silencers, and air pre-cleaners are all situated below the bonnet to provide maximum visibility for the operator.

SITE DUMPERS SET FOR LAUNCH TO GERMAN MARKET

JCB is launching a comprehensive range of site dumpers ranging in size from one to 10 tonnes to the German market at Bauma 2016.

The JCB site dumper line-up is based around four popular weight classes. Compact one tonne and two tonne machines have been designed primarily for house building and landscaping contractors, while 3-3.5 tonne models will suit general construction and rental businesses. At the heavier end, both 6 tonne and 9-10 tonne dumpers offer the ultimate carrying capacity for larger earthmoving projects.

High-tip, forward tip and swivel skip models will be offered, catering for rental market and contracting requirements in a wide variety of jobsite applications. Engine outputs range from 20-120hp (15.5kW-90kW) and both synchro-shuttle and hydrostatic transmissions are available to deliver ease of use and maximum travel speeds.

Heavy-duty articulating and oscillating chassis frames provide maximum durability and strength. JCB site dumper skips are constructed using thick steel side walls and heavy-duty steel front and base plates, for increased reliability and longevity. Folding ROPS protection ensures operator safety and large axle oscillation angles provide excellent traction and stability on the rough.

The JCB machines have been designed for ease of operation with a simple, clear dashboard and automotive-style controls. The dumpers also feature best-in-class ground-level service access, with engine panels mounted on heavy-duty hinges. Swivel tip models have a swing-locking device

to ensure that the skip remains locked in position while travelling. In addition all 6-10 tonne models come as standard with high performance oil-immersed disc brakes for maximum stopping power and reduced maintenance.

Source: wyynot GmbH; JCB

JCB On LECTURA Specs