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## **New Holland compact construction range for agriculture makes its debut at SIMA 2017**

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New Holland launches the new range of New Holland compact construction models for agriculture at the SIMA 2017 show.

Massimiliano Tripodi, New Holland Marketing Director EMEA, explains: "At New Holland we aim to provide complete solutions, expanding our offering with new lines when we see an opportunity to better support our customers. We believe that the New Holland compact construction range for agriculture enhances our objective to provide farmers effective specialist solutions for all their tasks. We have been investing in this product line since the launch two years ago by renewed it and launching new modelThe new model lines we present now are designed to meet the requirements of agricultural operations and bring their proven and reliable performance to our customers."

### **New Holland compact construction range brings efficient specialist solutions for agriculture**

It was 2 years ago here at SIMA that New Holland opened its European agricultural dealer network to some construction compact equipment lines. These products have been integrated in the dealers' offering in carefully planned stages in order to enable them to provide first-class support to customers as the new products came into their portfolio. This process is proceeding and the New Holland compact construction line products are now available through the agricultural dealer network in almost all European Countries.

During these 2 years, the brand has renewed the compact product lines in the New Holland Construction range for agriculture and three of them are making the debut at the exhibition. The new models of wheel loaders, backhoe loaders and mini crawler excavators will bring proven performance and efficient specialist solutions to orchards, vineyards and specialized, cash crop, livestock and mixed farming operations as well as energy growing and biomass businesses.

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## D Series wheel loader: outstanding loading performance with unrivalled comfort

The new models of the D Series that New Holland presents today – the W110D, W130D and W170D – are designed for the demands of large scale farmers, contractors, composting operators and biogas farmers, where a strong loading performance is critical. They are ideal for tasks such as re-handling of root crops, compost, farmyard manure, grain, woodchip and other bulk materials.

The D Series wheel loaders are engineered with high performance in mind. They are capable of keeping up with the highest output forage harvesters and they have the traction to work in deep muck or work on a steep silage clamp. And they can be relied on to get the job done efficiently in all conditions: these models have been developed from machines that have proven their **strength, performance and reliability** in the toughest environments.

The W170D feature a 45kph Ecoshift five-speed **powershift transmission** with torque converter, while the other two models come with a 38kph four-speed powershift transmission with a choice of automatic or manual gear selection.

The **powerful loading performance** comes from the closed-centre, load-sensing hydraulic system and the mighty Z-bar boom made of 45mm-thick plate steel. The largest model also features tandem pumps for greater capacity. The **high efficiency hydraulic pumps** deliver only the required flow on demand, providing extra power and adjusting it as needed, for fast boom raise/lower or attachment dump, for example.

A **choice of standard or long-reach boom** enables customers to specify the machine to suit their handling priorities. The standard boom is ideal for working with silage forks, grain pushers and heavy-duty buckets in demanding agricultural and compost applications. The Long Reach boom increases dump heights by 400 mm, making it the best choice for re-handling tasks such as intensive grain store management, composting, vehicle loading and stockpiling work.

The D Series wheel loaders are **powered by 4.5-litre and 6.7-litre engines and feature New Holland's EcoBlue HI-eSCR** emissions technology to meet Stage 4/Tier 4B standards. Both have been co-designed with FPT Industrial. The latest EcoBlue HI-eSCR technology relies on a newly developed electronic control unit that manages the engine and the HI-eSCR exhaust to precisely match engine load, emissions and after-treatment. A dedicated closed-loop system continuously monitors NOx levels in the exhaust, so that the HI-eSCR system adjusts the flow of AdBlue to precisely match requirements, achieving more than 95% NOx conversion while minimizing AdBlue usage.



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The new generation cab offers **class leading all-round visibility, comfort and safety**. The curved, one-piece windscreen provides a clear and uninterrupted view of the loader arm and an excellent view to the front when the boom is raised. The ergonomic controls layout, with fully adjustable armrest, seat-mounted joystick control and side console put all key functions within easy reach of the operator. Excellent ventilation and cab filtration, with a choice of CAT2 HVAC and CAT3 Activated carbon filters, provide a comfortable and safe environment.

	W110D	W130D	W170D
<b>Engine Power (kW/hp)</b>	106/144	128/174	145/197
<b>Operating Weight Z-bar/LR (kg)</b>	11098/11192	12853/12983	14767/14904
<b>Tipping Load Z-bar/LR (kg)</b>	8229/7153	10030/8626	11741/10019

**C Series backhoe loader: this master of multi-tasking redefines versatility**

The **exceptional versatility** of the C Series backhoe loaders makes them an investment that will never be short of work. Loading, grading, grabbing, lifting, digging, planting, post hole boring – whatever the task, they will get it done and never give up. They can be relied on delivering a powerful performance in all conditions with exceptional agility. From agricultural operations to horticultural businesses, from landscaping to drainage and irrigation contractors – all will find the versatility and cost effectiveness they need in New Holland’s backhoe loader range for agriculture.

The C Series backhoe loaders feature the same proven FPT Industrial 3.4 litre, four-cylinder F5C engine as New Holland T5 Series tractors. They comply with Stage 4/Tier 4B emissions standards with the **exclusive Compact HI-eSCR system** developed by FPT Industrial that combines its proven SCR technology with exhaust gas recirculation to meet the stringent emissions regulations **without a Diesel Particulate Filter**. The F5C engine with the EcoBlue Compact HI-eSCR technology deliver a **powerful performance with exceptional fuel economy**.

The C Series backhoe loaders are offered with **a choice of two hydraulic pump designs** to match the customer’s specific requirements. The twin gear pump is simple, robust and well suited to applications where there is a constant demand for hydraulic flow. It delivers a maximum flow of 156 l/mn at 2,200 rpm and a maximum operating pressure of 205 bar. The variable displacement pump delivers flow on demand – from 6 to 165 l/mn – saving fuel in applications such as dozing and grading, or when travelling on the road.



An **auxiliary hydraulic circuit** that delivers up to 136 l/mn can also be specified to power attachments such as hydraulic breakers, soil augers or large grabs.

For the **front loader**, customers requiring higher lift capacity and greater lift height can choose the **SLA straight arm**, which comes with hydraulic auto self-levelling. Alternatively, the greater reach of the **TC Tool Carrier Loader arm** featuring mechanical parallel lift makes it ideal for pallet and loading duties. A wide choice of buckets further enhances the backhoe loader's versatility.

The **curved arm design** of the **backhoe** makes it easy to load over trailer sides or obstacles, and the **powerful bucket and dipper breakout forces** deliver a big performance.

A **wide range of choices** makes it possible to customize the backhoe to match the customer's specific requirements: fixed or telescopic dipper; fixed-centre or hydraulic side shift option; direct fit or quick coupler for the bucket; and an Object Handling Kit is available for safe handling of suspended items.

	<b>B100C TC</b>	<b>B110C TC</b>	<b>B115C TC</b>
<b>Engine Power (kW/hp)</b>	72/98	82/111	82/111
<b>Loader bucket capacity</b>	1.0 m <sup>3</sup>		<b>1.15 m<sup>3</sup></b>
<b>Dump height under bucket at 45° (mm)</b>	<b>3,218</b>	<b>3,218</b>	<b>2,674</b>
<b>Bucket breakout force (daN)</b>	6,544	6,544	5,413
<b>Backhoe dig depth (mm)</b>	4,336	4,336	4,518
<b>Extended dig depth (mm)</b>	5,528	5,528	<b>5,673</b>

**C Series mini crawler excavator: no job is too big or space too small for this champion of versatility**

**Flexibility and manoeuvrability are the standout characteristics** of these powerful compact machines. The six-model range offers a wide choice to match a great variety of requirements. With the canopy, cab, short radius and zero tail swing versions to choose from, every customer will find the ideal model for their business, be it landscaping, amenity work, agriculture, horticulture, nurseries, vineyards, estate management or general contracting.

The **wide range of attachments** means that customers will be able to use their C Series mini crawler excavator for a great variety of applications, from track, irrigation and drainage scheme construction and maintenance all the way through to the erection of fencing, temporary buildings and crop support. The C Series models will put the **build strength of an excavator** into operating hydraulically powered attachments such as soil augers, flail hedge and verge mowers, cutter-bars and saws. The same boom and dipper can work hydraulic shears, breakers and heavy-duty items to include stump grinders. With the Object Handling Kit installed, all models can safely raise heavy suspended loads using a lifting hook on the bucket linkage. An overload alarm in the cab adds a further element of safety.

The **powerful hydraulic system** includes **three separate pumps** to deliver the best performance in every task – travelling, working with the dozer blade, excavating or driving powered attachments. The two biggest models are also available with an **optional fourth pump** for particularly demanding auxiliary attachments. New Holland mini excavators give customers the ability to power the most demanding attachments with the added advantage of high constant hydraulic flow.

Each model runs an engine selected to match its size and capacity and deliver optimized performance and fuel economy.

The compact size and manoeuvrability of the C Series mini excavators gives them the ability to deliver their powerful performance in the tightest spaces with the greatest efficiency.

Model	E18C	E17C	E26C	E33C	E37C	E57C	E60C
Operating weight	1800	1680	2580	3095	3650	5580	5980
Max. digging depth*	2400	2350	2645	3035	3440	4060	3990
Max. dump height	2660	2670	3030	3275	3615	4180	4100
Engine Displacement	952 cc	898 cc	1261 cc	1642cc	1642 cc	3319 cc	3319 cc
Max power	16.8hp @ 2300 rpm	16.8 hp @ 2300 rpm	24.9 hp @ 2350 rpm	24.4 hp @ 2200rpm	27.3 hp @ 2200 rpm	66.9 hp @ 2400 rpm	64.7 hp @ 2200 rpm
Max torque	53 m @ 1800 rpm	53 Nm @ 1900 rpm	81 Nm @ 1600 rpm	88,3 Nm @ 1200 rpm	107 Nm @ 1100 rpm	235 Nm @ 1560 rpm	235 Nm @ 1560 rpm

*New Holland Agriculture's reputation is built on the success of our customers, cash crop producers, livestock farmers, contractors, vineyards, or grounds care professionals. They can count on the widest offering of innovative products and services: a full line of equipment, from tractors to harvesting, material handling equipment, complemented by tailored financial services from a specialist in agriculture. A highly professional global dealer network and New Holland's commitment to excellence guarantees the ultimate customer experience for every customer. For more information on New Holland visit [www.newholland.com](http://www.newholland.com)*

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