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New Versum CVXDrive blends CVT benefits, premium specification and compact dimensions

Case IH continuously-variable transmission technology now available lower down the power scale / Four 100-140hp (max) tractors fit between Luxxum and Maxxum ranges / New styling matches larger Case IH models / Premium specification includes CCLS hydraulic system



PRESS RELEASE

Mixed farm businesses, mid- to large-sized dairy operations, contractors and road maintenance operators seeking a compact CVT tractor in the 100-140hp (max) bracket now have a new option available to them, with the launch at SIMA 2019 of the new Versum CVXDrive range from Case IH. The new line is available in four models – the Versum 100 CVXDrive, Versum 110 CVXDrive, Versum 120 CVXDrive and Versum 130 CVXDrive, with each model number indicating the rated horsepower at 2,200rpm engine speed.

The new Versum CVXDrive models have been designed as premium specification machines, offering big tractor features and comfort in a package which is manoeuvrable, easy to operate, and offers the fuel-saving benefits of a continuously-variable transmission. Previously, the smallest tractor range from Case IH which was available with CVXDrive specification was the larger, more heavily-built four-cylinder 116-145hp Maxxum line. The Versum tractors offer a lighter weight option, and fit between those Maxxum models and the established Luxxum line.

Fuel-frugal yet powerful engines

All Versum models use a 4.5-litre turbocharged and intercooled engine which meets EU Stage V emissions legislation through the latest development of the selective catalytic reduction (SCR) system from FPT Industrial, known as HI-eSCR2. The patented under-hood after-treatment technology is part of a compact all-in-one after-treatment system assembly which, in addition to incorporating the SCR, also contains the diesel oxidation catalyst and diesel exhaust fluid (AdBlue) injector. The compactly-designed after-treatment system is maintenance-free, helping keep overall running costs low.

Stepless CVXDrive technology

Users whose work involves large amounts of road travel or field tasks such as mowing, baling, light tillage and specialist operations where it may be beneficial to separate engine speed and forward

speed have been the target for development engineers behind the incorporation of the new CVXDrive transmission into the Versum range. This provides stepless travel up to 40 km/h, a speed which, using the Eco function, can be attained at reduced engine rpm. An electronic controller manages transmission operation for quicker speed change and enhanced efficiency at all speeds.

The incorporation of double clutch technology into the CVXDrive transmission means that, at the point it takes place, the change between the transmission's two mechanical ranges is seamless, and full tractive power available across the whole speed range. An Active Hold Control feature allows the tractor to be easily stopped on hills and at road junctions without using the footbrakes.

Versum CVXDrive tractors also feature Automatic Productivity Management (APM), which automatically reduces engine speed when it detects when less power is required – when, for example, cultivating an area of lighter soil, or when demands on an implement's hydraulic circuit are reduced. In this way APM helps further cut fuel consumption and operating costs.

High-output hydraulics

With a closed-centre load-sensing (CCLS) pump, hydraulic oil circulates only when requested by the operator, and when more than one function is operated they do not affect each other. A wide offering of mechanically- and electronically-controlled hydraulic remote valves is available, totalling up to seven outlets, plus a power beyond function. Maximum flow rate is 110 litres/min. Versum tractors can be supplied loader-ready for fitment of a Case IH LRZ 120 loader.

Capacity at both ends

A new multi-functional front axle support frame means the optional front hitch and front PTO, when fitted, are fully integrated into the tractor design. Customers can choose their preferred quick coupler option on the front and rear three-point links, with Category 2 or 3N alternatives.

The front PTO operates at 1,000 rpm, while at the rear—three PTO speeds are available: 540/540E/1,000 rpm or optional 540E/1,000/1,000E rpm. A ground speed PTO can also be ordered.

Premium comfort

Versum tractors feature a luxury four-pillar cab for full all-round vision and comfortable operation. Control layout is similar to that used on larger Case IH tractor model series, to ensure users familiar with other tractors in the range will find the machines easy to operate, while those new to the brand

will quickly become familiar with their tractor. The well-established Case IH Multicontroller armrest is fitted as standard to ensure easy and intuitive operation of all Versum functions. Features in the highly-appointed low-noise cab include automatic climate control and a high-specification deluxe driver's seat, while a 360° lighting arrangement completes the operator comfort package for long working days.

Press releases and photos: <http://mediacentre.caseiheurope.com>

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