

Press release

Available for Agritechnica 2013:

## **Maxxum CVX Efficient Power – versatile and cost-efficient with continuously variable CVX transmission**

**Case IH presents three new models with continuously variable transmissions in the Maxxum Efficient Power series and extends the CVX offering to 4-cylinder tractors / Cost-efficient all-purpose tractor with powerful engine and comfortable cab**

Magdeburg/St. Valentin, 29/07/2013

For Agritechnica 2013 Case IH extends the Maxxum series with three new models with continuously variable transmission. The Maxxum 110 CVX, 120 CVX and 130 CVX represent the very latest all-purpose tractors for the widest range of tasks featuring powerful engines and comfortable cabs.

"These models follow the trend in continuously variable transmissions and extend our CVX offering in the medium power class with 4-cylinder engines", says Vincent Hazenberg, Product Manager responsible for the Maxxum series at Case IH.

### **Efficient transmission technology**

The Maxxum CVX models are equipped with proven CVX transmissions with double-clutch technology.

These transmissions operate completely continuously between zero and 50 kph and offer outstanding overall efficiency in two mechanical operating ranges.

Hydraulic power is available uniformly across the whole speed range of the tractor and requires less than 25% of total power output. 50 kph Eco Speed is achieved at a reduced engine speed of 1,750 rpm (40 kph at 1,600 rpm).

The gear change between the two operating ranges takes place automatically using the double clutch. The double-clutch technology ensures that frictional losses are minimised for maximum efficiency.

Maxxum CVX tractors are equipped with Case IH Automatic Productivity Management (APM), a system already proven highly effective with the larger Case IH tractors. APM automatically reduces engine speed if less power is currently required.

Maxxum tractors also feature an active stop control system. This system ensures the tractor can remain safely stopped on hills, regardless of whether it is with or without a load, and without having to operate the clutch.

### **Powered by modern engines**

The new Maxxum CVX tractors are powered by rugged engines with turbochargers and intercoolers. These 4-cylinder engines have a capacity of 4.5 litres and all models feature electronic common rail injection. The engines deliver a real power boost – ten percent higher performance at a reduced engine speed of 1,900 rpm. This enables a noticeable reduction in fuel consumption.

The new Maxxum CVX series is equipped with Efficient Power. This means that each engine has the Case IH-built SCR system (Selective Catalytic Reduction). They are optimised for efficiency so that maximum torque is reached at an engine speed of just 1,500 rpm. Maxxum tractors are also equipped with an engine management system that makes up to 22 hp available above rated power.

For example, the Maxxum 130 CVX has a maximum power of 143 hp, which can be boosted by the engine management system to up to 163 hp for PTO and transport work.

### **Idling speed control**

The system for controlling idling revs is another innovative development. A newly-developed software function reduces fuel consumption even further with operating costs reduced accordingly. Idling speed is automatically reduced from 850 rpm to 650 rpm 30 seconds after the driver leaves the cab, providing neither the electronic remotes nor hitch are in operation.

### **Comfortable cab**

The new Maxxum CVX series is supplied with a Surround Cab, offering one of the most comfortable tractor working environments available on the market today. The cab is the largest in its class and provides exceptionally good visibility through a total glazed area of 5.78 square metres. The four-pillar design and integrated roof window offer an uninterrupted view with a 105 degree field of vision to the front, which is ideal for working with a front loader. With a noise level of just 69 decibels, Maxxum tractors are equipped with the quietest cabs on the market.

The new Maxxum tractors benefit from the command and control concept already proven highly successful on large Case IH tractors up to 600 hp. Ergonomic arrangement of all controls ensures extremely efficient operation. All the important keys and buttons – and the Multicontroller – are integrated into the right-hand armrest. An AFS Pro 300 or AFS Pro 700 touch-screen monitor can also be fitted to the console, making the Maxxum an ideal tractor for AFS precision farming.

### **New generation of Multicontroller**

New Maxxum CVXs are fitted with the latest generation of the Case IH Multicontroller. This has been improved even further in terms of operation and ergonomics. For example, you only need to press one button to change the direction of travel. New backlit keys ensure safe operation at dusk and during night work. In addition, the surface of the

control keys has been enlarged and new soft pads promote easier operation.

### **Lifting power – more power for working with the hydraulics**

As a real all-rounder, the Maxxum is also equipped with a very flexible hydraulics system. An axial piston pump delivers high flow rates of up to 125 litres per minute - including pressure and flow rate regulation when required. The rear hitch is capable of lifting up to 7,864 kg while the front hitch lifts up to 3,100 kg. Up to seven electro-hydraulic remotes enable the operation of a wide spectrum of equipment.

Up to four hydraulic connections are available at the rear with up to three mid-mounted.

### **New: more efficient control of front hydraulics**

A new control system for the front hydraulics makes it easier to operate front-mounted machinery. Two hitch heights can be pre-programmed so the automatic float regulation system automatically switches to float mode as soon as the relevant working position is reached. This is ideal for working with front-mounted mowers, for example.

The new Maxxum CVX Efficient Power series is manufactured at the St. Valentin plant in Austria and is available from January 2014.

## MAXXUM CVX Efficient Power series

MODELS	MAXXUM 110 CVX Efficient Power	MAXXUM 120 CVX Efficient Power	MAXXUM 130 CVX Efficient Power
<b>Case IH engine by FPT</b>			
Intake / Emissions level / Fuel supply	Common rail, 4-valve diesel engine, turbocharged		
Capacity / Number of cylinders	4,485 / 4	4,485 / 4	4,485 / 4
Maximum engine power ECE R-120 - Power Management (kW/hp)	105/143	113/154	120/163
Nominal power ECE R-120 – Power Management (kW/hp) @ 2,200 rpm	96/131	103/140	110/150
Maximum engine power ECE R-120 - 1,800 / 1,900 rpm (kW/hp)	89/121	98/133	105/143
Nominal power ECE R-120 (kW/hp) @ 2,200 rpm	81/110	89/121	96/131
Maximum torque ECE R-120 @ 1,500 rpm	590	634	676

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More information about products and professional services offered by Case IH can be found online at [www.caseih.com](http://www.caseih.com).

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