

Premiere at Agritechnica

## **Case IH introduces new engine generation for Farmall A tractor series**

Newly-developed, high-torque three-cylinder engine to henceforth power Farmall A range / High fuel efficiency through advanced engine technology / Engines specially developed for use in tractors

Agritechnica 2013 sees the unveiling of a new generation of engines from FPT Industrial (hall 1, stand H113), which will power forthcoming models of the manoeuvrable all-round tractors that make up the Farmall A serie.

Specifically designed for use in tractors, the new R22 engine has been engineered for high levels of torque and fuel efficiency, in a compact package that uses advanced engine technology to ensure environmental friendliness and keep total cost of ownership to a minimum.

The new R22 completes FPT Industrial's agricultural offering in the lower power range. A modern three-cylinder engine with 2.2 litres displacement, it produces outputs, depending on configuration, of 33-52kW (44-70hp). This is produced by cutting-edge technology which includes common-rail high-pressure injection, two valves per cylinder, a fixed-geometry turbocharger, and a wastegate aftercooler. This combination of features helps the compact unit produce torque ratings of up to 250Nm.

The common-rail fuel injection system has a working pressure of 1,600bar, and is optimised in relation to the thermodynamic performance of the engine. Improved fuel efficiency and reduced noise levels are achieved by a special combustion chamber in which the common-rail injectors are specifically placed for optimal fuel combustion.

A newly developed anti-noise front cover adds extra insulation to significantly reduce engine noise. The R22 is also equipped with an internal exhaust gas recirculation (EGR) system and diesel oxidation catalyst (DOC) and a maintenance-free fine dust catalyst. This combination of technology ensures the new engine meets Tier 4B /Stage 4 Final emissions legislation.

The R22 motor will be used in Farmall A tractors following the end of 2014.

