

**“NEW POWER FOR FARMERS”: FPT INDUSTRIAL LAUNCHES ITS NEW F36 STAGE V ENGINE FOR OFF-ROAD APPLICATIONS AT AGRITECHNICA 2017**

Turin, November 12, 2017

**FPT Industrial** today unveils its **new F36 Stage V engine** at Agritechnica (Hannover, 12-18 November - Hall 16 - Stand C35). The new engine is specially designed for off-road applications which require extreme compactness and versatility, as exemplified through the claim **“Power of density”**. It is ideal for vehicles that need maximum visibility and maneuverability, such as tractors and telehandlers. At Agritechnica 2017 **FPT Industrial** presents the **F36 engine structural version specifically developed for mid-range agricultural tractors**.



PRESS RELEASE



*The FPT Industrial new F36 engine*

The **FPT Industrial** new **F36 Stage V** has been completely redesigned starting from an increased engine displacement from 3.4 to 3.6 liters with no changes in external dimensions, thus ensuring unchanged compactness. Improved engine hardware includes **new turbocharger** and **optimized piston design** to cope with higher performance, increasing **power output by 14% (up to 143 hp)** and **torque by 20% (up to 600 Nm)**, achieving best-in-class torque density (+20% vs. market average in 3 to 4 liter range) and power density (+2% vs. market average in 3 to 4 liter range).

The overall after-treatment packaging is unchanged between Stage IV and Stage V, avoiding machine redesign across emission stages. Furthermore, **oil change interval of 600 hours**, one-side serviceability and a maintenance-free after-treatment solution allow emission

compliance with minimum operating costs and simple maintenance operation over its lifecycle. All these characteristics allow an **increase of 10% in productivity**.

Furthermore, the F36 ensures faster and easier maintenance operations due to the one-side serviceability layout. The maintenance-free ATS contributes to operating costs reductions and maximum vehicle uptime. The F36 is compliant with Stage V emissions standards, thanks to implementation of the **HI-eSCR2** after-treatment solution.

### **F36 Stage V Specifications**

Architecture:	In-Line 4 cylinder engine
Injection System:	Common rail (up to 1,800 bar)
Air Handling:	Wastegate
Valves per cylinder (number):	4
Displacement (l):	3.6
Bore x Stroke (mm):	102 x 110
Max Power (kW/hp):	105/143
Max Torque (Nm):	600
Dimensions L/W/H (mm):	714/601/852
Dry Weight (Kg):	320
Oil service intervals (h):	600
EGR:	HI-eSCR2

### **Deep-dive about HI-eSCR2**

Beginning in 2019 Europe will respond to **Stage V**, a new emission regulation standard. HI-eSCR2 is FPT Industrial's answer to Stage V requirements and an all-new after-treatment technology. Based on integration of the SCR with a new filtration system, HI-eSCR2 holds a total of **13 protection patents**.

**HI-eSCR2 integrates a particular filtration system on an SCR module, which does not require vehicle modifications.** The HI-eSCR2 occupies the same amount of space as the previous ATS, FPT Industrial's HI-eSCR, used to comply with Stage IV emission standards. Owing to its compactness, HI-eSCR2 does not compromise the visibility and maneuverability of the vehicle. Furthermore, HI-eSCR2 is an **after-treatment system "for life"**: end-users have no maintenance costs and thus can reduce the overall Total Cost of Ownership.

FPT Industrial's new HI-eSCR2 technology ensures **high productivity**, guarantees **best-in-class power and torque density**, and requires **a very simple installation**. When considering specific high load or high power applications, users have no need to halt

equipment during operations, thanks to no active regeneration, allowing maximized uptime. This also allows greater safety while working, especially in closed environments such as farm buildings.

The statement “**five steps ahead**” holds true for FPT Industrial, and five pillars explain how FPT Industrial's HI-eSCR2 technology has been developed to meet customer needs:

- **Reliability**, proven by more than **25 years' experience with SCR** technology and **more than one million units sold**;
- Ongoing R&D investments allow FPT Industrial to offer leading engine performance, optimizing customer **productivity**;
- **Durability** and higher **residual value**, thanks to “**for life**” **After Treatment Systems**;
- **Regeneration-free systems** as a technology roadmap, maximize **uptime** with no compromise on **safety**;
- **Environmental sustainability and reduced Total Cost of Ownership** guaranteed, while still maintaining **best-in-class engine efficiency**.

*FPT Industrial is a brand of CNH Industrial, dedicated to the design, production and sale of powertrains for on and off-road vehicles, marine and power generation applications. The company employs more than 8,000 people worldwide, in ten manufacturing plants and seven R&D Centres. The FPT Industrial sales network consists of 93 dealers and over 900 service centres in almost 100 countries. A wide product offering, including six engine ranges from 42 hp up to 1,006 hp, transmissions with maximum torque of 200 Nm up to 500 Nm, front and rear axles from 2 to 32 ton GAW (Gross Axle Weight) and a close focus on R&D activities make FPT Industrial a world leader in industrial powertrains. For further information, visit [www.fptindustrial.com](http://www.fptindustrial.com).*

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