

“NEW POWER FOR FARMERS”: THE NEW FPT INDUSTRIAL V20 FOR HARVESTING APPLICATIONS THAT REQUIRE TOP POWER

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For the first time in Europe, **FPT Industrial** showcases its **new V20 Stage V** at Agritechnica (Hannover, 12-18 November - Hall 16 - Stand C35). "**Power without compromise**", FPT Industrial's top-of-the-range engine is specially dedicated to harvesting applications. The V20 is **best-in-class for power-to-weight ratio** (13% more than V12 cylinder competitors' average), and for **compactness** in its category.



PRESS RELEASE



The FPT V20 is a **20-liter engine** with a 90° V8 (8 cylinder) architecture, delivering a **maximum power of up to 910 hp @ 1,800 rpm** and **maximum torque of up to 4,100 Nm @ 1,500 rpm**. Thanks to the 2,200 bar Common Rail Injection system and ECU (Electronic Control Unit) – the same adopted by FPT Industrial Cursor engine family – it has an high system efficiency and low fluid consumption. Reliability is granted by the **EGR-free system**, high resistance materials and single-stage WG turbocharging.

The V20 is not only designed for farmers and agricultural applications, but also for the construction segment, power generation, military and railways, covering both stationary and mobile applications. **The V20 promises top efficiency benefits:** it permits up to 2% fuel savings (compared to V12 cylinder engine averages) thanks to lower friction and smaller displacement. Furthermore, the cross-bank exhaust system design releases optimal turbocharger fluid-dynamics for maximum efficiency.

The V20's design has a **one-sided serviceability:** oil, fuel and blow by filter are placed on the front side, allowing for easy accessibility via the vehicle hood. In addition to this, the filters are remote-mounted on request to fit multiple applications layouts. Furthermore, the single cylinder heads are composed of high-resistance nodular cast iron, which ensures **higher performance with 220 bar PCP and easier serviceability.**

The V20 also adopts FPT Industrial's patented **HI-eSCR technology**, the exclusive maintenance-free ATS solution invented by FPT Industrial after more than 25 years of experience in the field. This system provides maximum vehicle uptime and low cost of ownership, while the turbocharger layout with turbines outlet junction improves and simplifies performance and piping of the ATS.

V20 Stage V Specifications

Architecture:	90° V8 Cylinders
Injection System (bar):	Common Rail (up to 2,200)
Air Handling:	1 WG per cylinders bank
Valves per cylinder (number):	4
Displacement (dm ³):	20.1
Bore per stroke (mm):	145 x 152
Peak Power (kW/hp @ rpm):	670/910 @ 1,800
Max Torque (Nm @ rpm):	4,100 @ 1,500
Dimensions L / W / H (mm):	1,625 / 1,190 / 1,340 (*)
Dry Weight (kg):	1,600
Oil Service Interval (h):	600
EGR:	NO
ATS:	SCR (HI-eSCR)

(*) values of base engine version; to be finalized with FPT Industrial for different engine dressing

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.

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