

## FPT Industrial “Diesel of the Year®” 2020 F28 engine debuts at bauma CHINA, which fully supports the development of construction machinery industry

Shanghai, November 24, 2020

FPT Industrial, a global leader in industrial powertrain, held the domestic debut and product unveiling ceremony of the F28 engine at bauma CHINA 2020

Already awarded “Diesel of the Year®” 2020 the prestigious prize given on an annual basis by *Diesel* magazine which aims to recognize the best innovation in the development and manufacturing of diesel engines in all industrial and automotive applications, F28 engine, available in diesel and natural gas versions, stands out for compactness, high performance and environmental-friendliness, which make it as ideal solutions for light and compact construction equipment, such as, road machinery, high-altitude elevator, telescopic forklifts, pumps, welders, chippers, trenchers and mini excavators equipment. The all new F28 Stage V is a one-engine solution that matches both space and performance-driven applications thanks to enhanced output in a highly compact packaging.

From November 24th to 27th, FPT Industrial exhibited the new F28 engine at Booth 110, Hall N5, Shanghai New International Expo Center. It delivers maximum power of 55 kW at 2,300 rpm and maximum torque of 375 Nm at 1,400 rpm. A specific high-performance version is designed for 75 kW at 415 Nm. With its 2.8 liters displacement, the F28 delivers a 3-liter performance in a 2-liter package. Compared to competitors, FPT Industrial's new engine offers best in class performance to size ratio.



PRESS RELEASE

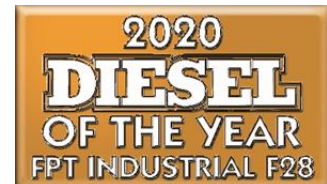
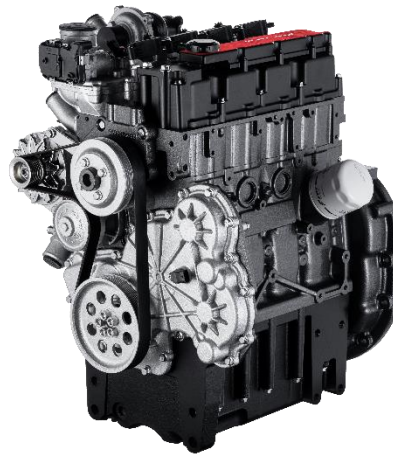


FPT Industrial F28 Diesel

F28 engine complies with Stage V and Tier 4 Final emission standards, while meeting future CHINA IV emission requirements; it takes advantage of FPT's ultra-compact after-treatment solution, which uses a Diesel Oxidation Catalyst (DOC) + Diesel Particulate Filter (DPF) for the European market, and a DOC for North America, maintaining the same packaging for both regions. What's more, the engine's lean design, with integrated EGR channels and reduced liner bridge, adds to its compactness and ensures easy vehicle installation. The engine can also be equipped with flywheel, housing, oil pan and filter. In addition, its single-side serviceability and service interval of 600 hours provide simple maintenance and low running costs. The compact and powerful F28 can further drive development of construction machinery industry in the years to come and become an innovative reference point for the segment.

**Natural gas version promotes environmentally sustainable development in the field of construction machinery**

Following its strategy to offer multi-power solutions, FPT Industrial will offer a 100% Natural Gas version of F28, with the same displacement and interface as the Diesel version, with common base components, and a 3-way catalyst as the after-treatment system, which makes it maintenance free (NO DPF).



*FPT Industrial F28 Natural Gas*

F28 NG engine can further reduce emissions, while meeting the demand for alternative fuels in the construction machinery field, providing a highly sustainable development in this field. When running on biomethane, it could reduce CO<sub>2</sub> emissions to almost zero. The production process of biomethane also contributes to the circular economy, not only reducing greenhouse gas emissions, but restoring organic matter to the soil and helping the industry to reduce production costs.

Taking a further step into a modular and multipower powertrain approach, FPT Industrial completed the F28 offer with the Hybrid version. The 2.8-liter hybrid engine was developed to offer the ideal performance for compact machinery offering enhanced productivity and improved efficiency. Light construction machines such as skid steer loaders, drum rollers and backhoe loaders benefit from the peak power at certain times to complete their missions more efficiently. The F28 Hybrid combines high performance and low fuel consumption in a compact packaging. It also features enhanced system efficiency, simple architecture, fast operation, and optimized Start & Stop for a smoother engine start.

#### **F28 Diesel Stage V / Tier 4 Final / China IV**

<b>No. of CYLINDERS / VALVES</b>	4 in line / 8
<b>INJECTION SYSTEM</b>	Common Rail (up to 1600 Bar)
<b>ASPIRATION</b>	WG (TC / TCA)
<b>DISPLACEMENT (litre)</b>	2,8
<b>Max POWER [kW]</b>	55
<b>Max TORQUE [Nm]</b>	TC 260 @ 1800 / TCA 375 @ 1400
<b>DRY WEIGHT [Kg]</b>	250 (CE) / 290 (AG structural)
<b>DIMENSIONS [mm] - L / W / H</b>	623 x 580 x 750
<b>ATS</b>	DOC (Tier4B) / DOC + DPF (Stage V)

<b>No. of CYLINDERS / VALVES</b>	4 in line / 8
<b>INJECTION SYSTEM</b>	Common Rail (up to 1600 Bar)
<b>ASPIRATION</b>	WG
<b>DISPLACEMENT (litre)</b>	2,8
<b>Max POWER [kW]</b>	75
<b>Max TORQUE [Nm]</b>	415 @ 1500
<b>DRY WEIGHT [Kg]</b>	250 (CE) / 290 (AG structural)
<b>DIMENSIONS [mm] - L / W / H</b>	623 x 580 x 750
<b>ATS</b>	DOC + DPF + SCR

*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 73 dealers and over 800 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). FPT Industrial offers the most complete Natural Gas engines line-up on the market for industrial applications, including engine ranges from 136 hp up to 460 hp. This extensive offer 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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