



OFFROAD / CONSTRUCTION

F28

**Our efficiency.
Your edge.**

Compact Package, Bigger Performance

Compact construction machines are continuously challenged to work harder and with more efficiency, requiring engines to maximize productivity within stringent layout constraints.

FPT offers a new 2.8 L engine to meet the changing demands placed upon compact construction and industrial equipment.

The F28 is a one-engine solution that matches both space and performance-driven applications thanks to enhanced output in a highly compact packaging, that is 5% smaller than competitors' average. Its effective torque response matches the needs of many applications, including light construction and material handling to stationary jobs.

The F28's versatile design is ideal for equipment both in the rental industry, such as aerial lifts and telehandlers, and for stationary applications such as pumps, welders and chippers.

One-side serviceability and a 600-hour oil change interval reduce operating costs and ease maintenance. The DOC-only version of the after-treatment system requires no maintenance during lifetime.

In line with our strategy and commitment to sustainable solutions, the F28 features efficient, optimized combustion. It has also been designed to be modular and multi-power for Diesel, natural gas and hybrid applications, providing lower operating costs and environmental sustainability.

A lean design, with integrated EGR channel and a reduced liner bridge, ensures compactness for easier vehicle installation. A wide range of options is also available, including flywheels, flywheel housings, oil pans and filters. A highly compact after-treatment solution comes with common packaging for NAFTA Tier 4 Final (DOC-only) and the global solution based on Stage V (DOC+DPF).

A full-service package—from maintenance to support—can be tailored for every customer and industry.



Highlights

Performance

- Up to 55 kW (75 hp) / 375 Nm with high-torque approach for prompt response: low-end torque 23% higher than market average. Specific high-performance version designed for 75 kW (100 hp) / 415 Nm.
- Aftercooled and non-aftercooled versions for different performance needs.

Ease of Use & Low Cost of Ownership

- Single side serviceability and 600-hour service interval for easier maintenance and low running costs.

Multipower & Modularity

- Ready for Natural Gas & Hybrid, with a modular design sharing common base components with Diesel.

Compactness

- 3.4 L performance in a 2 L package.
- Compact after-treatment system (ATS) with simple installation and layout.

Model	Cylinder Arrangement Air Handling	Turbocharging	Injection System	Displacement (Liters)	Power			Torque			Emission Standard	Exhaust System
					kW	HP	RPM	Nm	Lb/ft	RPM		
					F28	4L/TCA	WG	Common Rail	2,8	37		
F28	4L/TCA	WG	Common Rail	2,8	43	58	2500	250	184	1400	Tier 4 Final Stage V	EGR+DOC DOC+DPF
F28	4L/TC	WG	Common Rail	2,8	55	75	2500	260	192	1800	Tier 4 Final Stage V	EGR+DOC EGR+DOC+DPF
F28	4L/TCA	WG	Common Rail	2,8	55	75	2500	375	277	1400	Tier 4 Final Stage V	EGR+DOC EGR+DOC+DPF
F28	4L/TCA	WG	Common Rail	2,8	75	100	2300	415	306	1500	Tier 4 Final Stage V	EGR+DOC+DPF+SCR

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