FPT
POWERTRAIN TECHNOLOGIES

STAGE V / TIER 4 FINAL

INDUSTRIAL POWER UNITS

Our efficiency.
Your edge.

The Power of Innovation

FPT Industrial offers a series of plug-and-play power solutions that fit a wide range of applications. Our power units are ideal for variety industrial applications (irrigation pumps, hydraulic power units, manure and de-watering pumps, concrete pumps, wood chippers and grinders, airline ground support equipment, screeners, and crushers).

A new FPT smart installation solution complies with strict emission regulations by enclosing all key after-treatment components—including the urea injection system and all required sensors and manifolds—into a single package. The result is a compact, pre-assembled solution that eliminates the need for a dedicated exhaust system. Installation is easy thanks to rigorous testing of fluid dynamics, layout and sensor positioning.

A set of off the shelf, prevalidated options such as alternators, starters, air preheating and different urea tank sizes provides further flexibility for customer installations.

The lineup features a wide range of engines from 2.8 liters to 12.9 liters, with power outputs from 37 to 407 kW.

The new F28 delivers the performance of a 3.4 liter engine in a 2 liter package: a single-engine solution ideal for both space-critical and performance-driven applications.

The F28 offers the best performance in its category in an extremely compact package, resulting from a strong focus on achieving a reduced footprint during the design phase.

Power units featuring FPT's F5 series deliver from 55 to 105 kW. The F5 Series stands out for compactness, with 3.4 and 3.6-liter displacement and high torque up to 600 Nm, plus ease of maintenance thanks to one-side serviceability.

The NEF Series includes both 4.5-liter and 6.7-liter engines. The four-cylinder 4.5-liter N45 provides between 103-125 kW and the six-cylinder, 6.7-liter N67 produces between 129 and 212 kW. The NEF Series stands out for performance and reliability, featuring a lean engine design with single-stage turbocharging and no EGR.

The highest-power nodes are covered by the Cursor Series, with the six-cylinder 8.7-liter Cursor 9, which generates from 245 to 308 kW, and the six-cylinder 12.9-liter Cursor 13, which generates from 346 to 407 kW. These engines provide reliable performance in heavy-duty operations.

Low operating costs are ensured by 600-hours oil change intervals and a maintenance-free after-treatment system: replacement or cleaning is not required over the life of the system.

The FPT PowerPack range complies with Stage V and Tier 4 Final regulations, providing a cross-region solution meeting the global, higher-emission standards with a common layout.

Model	Cylinder Arrangement Air Handling	Turbocharging	Injection System	Displacement (Liters)	Power			Torque		Emission Standard	Exhaust System
					kW	HP	RPM	Nm	RPM		
F28	4L/TC	WG	Common Rail	2.8	37	50	2500	207	1400	Tier 4 Final	EGR+DOC
F28	4L/TC	WG	Common Rail	2.8	43	58	2500	250	1400	Tier 4 Final / Stage V	EGR+DOC+DPF
F28	4L/TC	WG	Common Rail	2.8	55	75	2500	260	1800	Tier 4 Final Tier 4 Final / Stage V	EGR+DOC EGR+DOC+DPF
F28	4L/TCA	WG	Common Rail	2.8	55	75	2500	375	1400	Tier 4 Final Tier 4 Final / Stage V	EGR+DOC EGR+DOC+DPF
F34	4L/TC	WG	Common Rail	3.4	55	75	2300	320	1300	Stage V / Tier 4	DOC+DPF
F36	4L/TCA	WG	Common Rail	3.6	63	83	2300	354	1400	Stage V / Tier 4	HI-eSCR2
F36	4L/TCA	WG	Common Rail	3.6	75	102	2300	430	1400	Stage V / Tier 4	HI-eSCR2
F36	4L/TCA	WG	Common Rail	3.6	90	122	2300	490	1400	Stage V / Tier 4	HI-eSCR2
F36	4L/TCA	WG	Common Rail	3.6	105	143	2300	600	1500	Stage V / Tier 4	HI-eSCR2
N45	4L/TCA	WG	Common Rail	4.5	103	140	2200	637	1500	Stage V / Tier 4	HI-eSCR2
N45	4L/TCA	WG	Common Rail	4.5	125	170	2200	712	1500	Stage V / Tier 4	HI-eSCR2
N67	6L/TCA	WG	Common Rail	6.7	129	175	2200	805	1500	Stage V / Tier 4	HI-eSCR2
N67	6L/TCA	WG	Common Rail	6.7	151	205	2200	940	1500	Stage V / Tier 4	HI-eSCR2
N67	6L/TCA	WG	Common Rail	6.7	191	260	2200	1160	1500	Stage V / Tier 4	HI-eSCR2
N67	6L/TCA	WG	Common Rail	6.7	212	288	2200	1160	1500	Stage V / Tier 4	HI-eSCR2
C87	6L/TCA	WG	Common Rail	8.7	245	333	2100	1510	1500	Stage V / Tier 4	HI-eSCR2
C87	6L/TCA	WG	Common Rail	8.7	275	374	2100	1675	1500	Stage V / Tier 4	HI-eSCR2
C87	6L/TCA	WG	Common Rail	8.7	308	419	2100	1800	1500	Stage V / Tier 4	HI-eSCR2
C13	6L/TCA	WG	Common Rail	12.9	346	471	2100	2012	1400	Stage V / Tier 4	HI-eSCR2
C13	6L/TCA	WG	Common Rail	12.9	384	522	2100	2258	1400	Stage V / Tier 4	HI-eSCR2
C13	6L/TCA	WG	Common Rail	12.9	407	554	2100	2401	1400	Stage V / Tier 4	HI-eSCR2

Legend

Arrangement
L In line

Air Intake
TC Turbocharged
TCA Turbocharged Aftercooled

Turbocharging
WG Fixed geometry Turbo with WasteGate valve

Plug & play, effortless emission compliance

Performance
- Power demand and torque response guaranteed in the most severe operating conditions for a wide range of applications.
- High power density.

Respect for the Environment
- Compliance with the most stringent emission legislations.

Running Cost Reduction
- 600-hours oil service interval.
- Excellent fluid efficiency.
- Maintenance free after-treatment system.

Smart Installation
- Fully-packed and pre-validated solution.

F28

F36

N67

C9

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