

ENGINES & DRIVELINES

Our efficiency. Your edge.



ENGINES & DRIVELINES

Our efficiency. Your edge.

FPT Industrial On-Road Index 2 FPT Industrial On-Road Index

Index	3
Introduction	4
Engines for LCVs	14
The F1 Series	16
Engines for Trucks	20
The NEF Series	22
The CURSOR Series	26
Engines for Buses	30
The F1 Series	32
The NEF Series	36
The CURSOR Series	40
Drivelines	46
Front & Rear Axles	48
FT50.6 Manual Transmission	54
Customer Service	58

3

FPT Industrial

On-Road

Introduction

1

FPT Industrial is a Brand of Iveco Group, dedicated to the design, production and sale of powertrains and solutions for on and off-road vehicles, as well as marine and power generation applications.

At FPT Industrial sustainability is a common underlying commitment, through the entire product development and as a corporate approach.

The extensive product offering includes six engine ranges with power outputs from 30 hp to over 1,000 hp, transmissions with torque up to 500 Nm and front and rear axles from 2.45 to 32 tonnes GAW (Gross Axle Weight).

FPT Industrial offers the most complete line-up of Natural Gas engines for on and off-road applications on the market, with power outputs ranging from 50 to 520 hp.

A dedicated ePowertrain division is accelerating the path towards net zero-emissions mobility with electric drivelines, battery packs, and battery management systems.

This extensive offering and its strong focus on R&D makes FPT Industrial a world leader in industrial powertrains and solutions.

We are proud to be a sustainability and innovation driven Company, which builds Customer advantage through continuous research and improvement, and creates value by leveraging this advantage. FPT Industrial On-Road Introduction 6 FPT Industrial On-Road Introduction

7

THE ROAD TO INNOVATION

FPT Industrial at a glance for On-Road powertrain solutions

Technological excellence and product innovation are at the core of FPT Industrial's mission. We design and develop state-of-the-art powertrain solutions for a wide range of on-road applications, from Light, Medium and Heavy commercial vehicles to buses.

Our engines, ranging from 2.3 to 12.9 litres, are engineered to deliver exceptional performance, fuel efficiency and reliability, meeting the most stringent emissions legislations.

Our extensive product offering also includes high-performance front and rear axles from 2.45 to 32 tonnes GAW (Gross Axle Weight) for all commercial categories and manual transmissions with torque up to 500 Nm for light commercial vehicles and minibuses.

We are proud to serve the industry's leading Customers, providing them with the power and reliability they need to succeed. We power the vehicles of many leading industry players and we are committed to building strong partnerships that contribute to mutual growth.

Our F1, NEF and CURSOR engine families excel in performance, durability and efficiency. They provide power, reliability and cutting-edge innovation, needed to thrive in today's competitive landscape.

Committed to environmental responsibility, all our engine families meet the most stringent emission regulations and are available in Natural Gas configurations, offering a cleaner and more eco-friendly alternative for a sustainable future.

FPT Industrial prioritizes meeting new emission limits while minimizing vehicle design changes and cost increases, leveraging our patented HI-eSCR technology. It delivers substantial improvements in both performance and efficiency, built upon 25 years of experience and over three millions SCR produced.

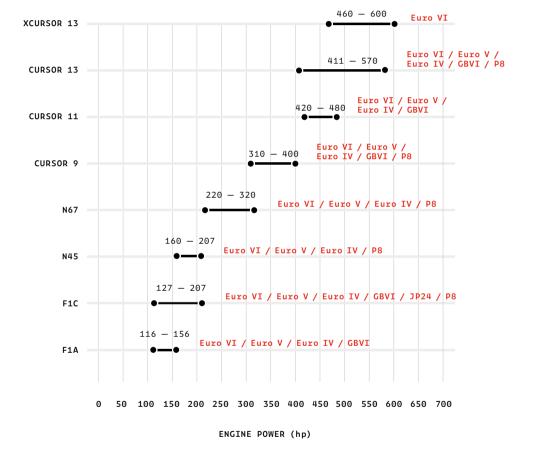
By choosing FPT Industrial, Customers gain access to advanced technology, reducing cost of ownership and acquiring ideal solutions for their most demanding needs. This allows them to focus on their core business growth while leaving the powertrain innovation to us.



FPT Industrial On-Road Introduction 10 FPT Industrial On-Road Introduction 11

On-Road Diesel Engines Portfolio Overview

116 - 600 hp



Diesel Engine Technology

Commercial transport relies on high performance, durability and efficiency. FPT Industrial's certified engines, known for their power, reliability, robustness and innovation, are designed to meet these needs. Our range of engines for on-road applications, which includes three engine families, the F1, NEF, and CURSOR, offers displacements from 2.3 to 12.9 litres, with rated power outputs from 116 to 600 hp, and maximum torque values from 340 to 2,850 Nm. These engines provide cost-effective solutions to tackle daily challenges.

Performance

• Class leading in performance, specifically in the Light and Heavy range.

Reliability and Durability

- High reliability and low fuel consumption thanks to EGR-free architecture (for NEF and CURSOR series) and proven and break-through After-Treatment technologies.
- Long service life, durability and class leading in maintenance intervals.

Fuel Consumption

 High fuel efficiency achieved through the latest high-pressure Common Rail and Turbocharging and, for NEF and CURSOR, EGR-free architecture.

Easy installation

- Availability of extensive options for tailor-made products.
- Compact engine layout for truck & bus applications.

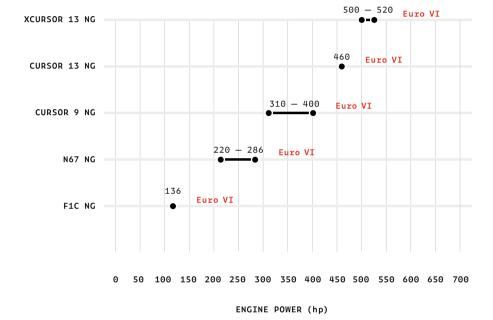
Environmental responsibility

Worldwide compliance with the most stringent emissions legislations.

FPT Industrial On-Road Introduction 12 FPT Industrial On-Road Introduction 13

On-Road Natural Gas Engines Portfolio Overview

136 - 520 hp



Pioneering yesterday, to lead today

At FPT Industrial, we have been exploring alternative fuel solutions for over 25 years, establishing ourselves as pioneers in the development of Natural Gas applications. Today, we are leaders in this field, with over 100,000 Natural Gas engines installed successfully to test the reliability of this technology.

Building on these results, today we are able to offer the largest Natural Gas engine line-up on the market.

All FPT Industrial engine families are compatible with CNG, LNG and Bio-Methane, offering clean and innovative engines with reduced CO₂ emissions. These engines are designed to ensure low noise, long service life and daily savings thanks to reduced cost per kilometer, all while being environmentally friendly and complying with current emission standards. Our range of Natural Gas engines, which includes three engine families, the F1, NEF, and CURSOR, offers displacements from 3 to 12.9 litres, with rated power outputs from 136 to 520 hp and maximum torque values from 350 to 2.500 Nm.

Performance

Best-in-class in performance.

Reliability and Durability

- Best-in-class in oil change interval and durability.
- High reliability achieved through cutting-edge engine design and high-performance materials.
- Simple After-Treatment System for emission compliance.

Fuel Consumption

 Low fuel consumption and reduced engine noise vs Diesel thanks to FPT Industrial multipoint stoichiometric combustion.

Versatility

- The largest Natural Gas line up on the market.
- Compatible with CNG, LNG and Bio-Methane, up to around 100% lower CO₂ emissions than Diesel with Bio-Methane.

15

ERIGINES FOR LCIS

FPT Industrial On-Road The F1 Series 16 FPT Industrial On-Road The F1 Series 17

THE F1 SERIES



Engine Models F1A (4 cyl., 2.3 L)

F1C (4 cyl., 3 L) F1C NG (4 cyl., 3L) Power range From 116 to 207 hp

Key Advantages

Performance

- Best-in-class in power and torque (up to 207 hp and 470 Nm).
- Best-in-class in transient response thanks to Electronic Variable Geometry Turbo (eVGT).

Worldwide presence

- Worldwide footprint (Europe, China, Latin America).
- Worldwide Emission Certification availability.
- ATS system with double SCR, optimized for urban missions with reduced load and low exhaust temperatures, as well as for suburban use.

Reliability & Durability

- Class leading in reliability thanks to double chain timing.
- Long service life and durability (400,000 km Be10 on GVW up to 7.2 t).
- Class leading in maintenance (up to 50,000 km for oil change interval).

Versatility

- The only player to offer two engine models (2.3 L and 3 L) for Light Commercial Vehicle applications.
- Optimized packaging available for both transverse and longitudinal installation.
- Available in off-the-shelf configuration for a wide range of applications (municipality vehicles, sweepers, etc).

Fuel Efficiency

Exceptional efficiency achieved through a combination of multiple elements: electronically controlled variable-geometry turbocharger, reduced engine friction, variable displacement oil pump, cooling system optimization, maximum torque value reached at low rpm (downspeeding), and cuttingedge high-pressure (up to 2,000 bar) Common Rail technology.

Natural Gas

- The only LCV engine also available in a Natural Gas configuration.
- Low fuel consumption and reduced engine noise vs Diesel thanks to multipoint stoichiometric combustion.
- Diesel industrial engines derived for high reliability, featuring simple WG turbochargers.
- Emissions compliance with a simple After-Treatment System (3-Way Catalyst with CPF and without EGR).

FPT Industrial On-Road Engines Datasheet 18 **FPT Industrial** On-Road Engines Datasheet 19

Engine Specifications

	пате	cement	nder ngement	Power			Torque		
Fuel	Engine	Displac Litres	Cylinder Arrangem	kW	Нр	rpm	Nm	rpm	
DIESEL	F1A	2.3	4L	115	156	3,500	400	1,500	
DIESEL	F1A	2.3	4L	100	136	3,500	370	1,400	
DIESEL	F1A	2.3	4L	85	116	3,500	340	1,500	
DIESEL	F1C	3	4L	152	207	3,500	470	1,400	
DIESEL	F1C	3	4L	129	175	3,500	430	1,600	
DIESEL	F1C	3	4L	129	175	2,865	430	1,600	
DIESEL	F1C	3	4L	118	160	3,500	400	1,500	
DIESEL	F1C	3	4L	110	150	2,620	400	1,600	
DIESEL	F1C	3	4L	96	130	2,620	350	1,400	
DIESEL	F1C	3	4L	95	127	3,400	430	1,500	
NATURAL GAS	F1C NG	3	4L	100	136	3,500	350	1,500	

Turbocharging	Injection System	Dimensions¹ (LxWxH) mm	Dry Weight¹ kg	Emission Standards	Exhaust System	Off-the-shelf configuration availability
eVGT	ECR 2,000 bar	707 x 662 x 826	202	Euro 6d final/ Euro VI E	EGR + DOC + SCRoF + SCR + CUC	
eVGT	ECR 2,000 bar	707 x 662 x 826	202	Euro 6d final/ Euro VI E	EGR + DOC + SCRoF + SCR + CUC	
eVGT	ECR 2,000 bar	707 x 662 x 826	202	Euro 6d final	EGR + DOC + SCRoF + SCR + CUC	
eVGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	•
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	•
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	•
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	•
WG	MPI	745 × 695 × 750	245	Euro VI E2	3 WAY CA- TALYST + CPF	

1 Dimensions and weight can be changed according to engine options.

Arrangement
L In line vertical

Injection System
ECR Electronic Common Rail
MPI Multi-point Injection

Turbocharging
VGT Variable Geometry Turbo
eVGT Electronic Variable Geometry Turbo
WG Fixed geometry turbocharger with wastegate valve

Exhaust System

EGR External Exhaust Gas Recirculation

DOC Diesel Oxidation Catalyst

SCRoF Selective Catalytic Reduction on Filter

SCR Selective Catalytic Reduction

CUC Clean Up Catalyst

CPF CNG Particulate Filter

21

ENGINES FOR TRUCKS

FPT Industrial On-Road The NEF Series 22 FPT Industrial On-Road The NEF Series 23

THE NEF SERIES



Engine Models

N45 (4 cyl., 4.5 L) N67 (6 cyl., 6.7 L) N67 NG (6 cyl., 6.7 L) Power range From 160 to 320 hp

Key Advantages

Performance

 Power Density aligned with best Competitors.

Fuel efficiency

- Low Total Cost of Ownership thanks to EGR-free architecture and DPF with passive regeneration
- FPT Industrial's exclusive HI-eSCR ATS technology.

Reliability & Durability

- High reliability and cost-effective technology thanks to EGR-free architecture, simple turbocharger and cast-iron head / block.
- Up to 300,000 km DPF service intervals thanks to passive regeneration.

Versatility

- One engine displacement from Euro III to Euro VI.
- Optimized packaging and installation.
- Scale effect leveraging on other segments.
- Available in off-the-shelf configuration for a wide range of applications (municipality vehicles, sweepers, etc).

Natural Gas

- The only Natural Gas medium-duty truck engine in Europe.
- Best-in-class in performance, durability (up to 450,000 km) and maintenance (spark plugs up to 900 hours, oil change intervals up to 750 hours and maintenance-free CPF).
- Low fuel consumption and reduced engine noise vs Diesel thanks to multipoint stoichiometric combustion.
- High reliability thanks to Ni-Resist cast-iron exhaust manifold and water cooled wastegate turbocharger.
- Emissions compliance with a simple After-Treatment System (3-Way Catalyst with CPF and without EGR).

FPT Industrial On-Road Datasheet 24 **FPT Industrial** On-Road Datasheet 25

Engine Specifications

	пате	acement s	nder ngement	Power			Torque		
Fuel	Engine	Displa Litres	Cylinde Arrange	kW	Нр	rpm	Nm	rpm	
DIESEL	N45	4.5	4L	152	207	2,500	750	1,400	
DIESEL	N45	4.5	4L	137	186	2,200	700	1,100	
DIESEL	N45	4.5	4L	137	186	2,500	680	1,250	
DIESEL	N45	4.5	4L	118	160	2,200	680	1,100	
DIESEL	N45	4.5	4L	118	160	2,500	580	1,250	
DIESEL	N67	6.7	6L	235	320	2,500	1,100	1,250	
DIESEL	N67	6.7	6L	207	280	2,500	1,000	1,250	
DIESEL	N67	6.7	6L	185	252	2,500	850	1,250	
DIESEL	N67	6.7	6L	162	220	2,500	800	1,250	
NATURAL GAS	N67 NG	6.7	6L	210*	286	2,200	1,250	1,100	
NATURAL GAS	N67 NG	6.7	6L	206	280	2,200	1,000	1,250	
NATURAL GAS	N67 NG	6.7	6L	185	252	2,300	850	1,250	
NATURAL GAS	N67 NG	6.7	6L	162	220	2,200	800	1,250	

Tirhocharding	Injection System	Dimensions¹ (LxWxH) mm	Dry Weight¹ kg	Emission Standards	Exhaust System	Off-the-shelf configuration availability
We	ECR 1,600 bar	854 x 782 x 910	400	Euro VI E	DOC + DPF + SCR + CUC	•
W	G ECR 1,600 bar	854 x 782 x 910	400	Euro VI E	DOC + DPF + SCR + CUC	
W	G ECR 1,600 bar	854 x 782 x 910	400	Euro VI E	DOC + DPF + SCR + CUC	•
W	G ECR 1,600 bar	854 x 782 x 910	400	Euro VI E	DOC + DPF + SCR + CUC	
W	ECR 1,600 bar	854 x 782 x 910	400	Euro VI E	DOC + DPF + SCR + CUC	•
We	G ECR 1,600 bar	1,100 x 782 x 924	530	Euro VI E	DOC + DPF + SCR + CUC	•
W	ECR 1,600 bar	1,100 x 782 x 924	530	Euro VI E	DOC + DPF + SCR + CUC	•
W	G ECR 1,600 bar	1,100 x 782 x 924	530	Euro VI E	DOC + DPF + SCR + CUC	•
W	ECR 1,600 bar	1,100 x 782 x 924	530	Euro VI E	DOC + DPF + SCR + CUC	•
We	MPI	1,060 x 704 x 868	548	Euro VI E2	3 WAY CATALYST + CPF	
W	G MPI	1,060 x 704 x 868	548	Euro VI E2	3 WAY CATALYST + CPF	
W	MPI	1,060 x 704 x 868	548	Euro VI E2	3 WAY CATALYST + CPF	
We	G MPI	1,060 x 704 x 868	548	Euro VI E2	3 WAY CATALYST + CPF	

Legend

1 Dimensions and weight can be changed according to engine options. *Max capability.

Arrangement
L In line vertical

Injection System
ECR Electronic Common Rail
MPI Multi-point injection

TurbochargingWG Fixed geometry turbocharger with wastegate valve

Exhaust System
DOC Diesel Oxidation Catalyst
DIP Diesel Particulate Filter w/ passive regeneration
SCR Selective Catalytic Reduction

CUC Clean Up Catalyst CPF CNG Particulate Filter

FPT Industrial On-Road The CURSOR Series 26 FPT Industrial On-Road The CURSOR Series 27

THE CURSOR SERIES



Engine Models

CURSOR 9 (6 cyl., 8.7 L) CURSOR 9 NG (6 cyl., 8.7 L) CURSOR 11 (6 cyl., 11.1 L) CURSOR 13 (6 cyl., 12.9 L) CURSOR 13 NG (6 cyl., 12.9 L) XCURSOR 13 NG (6 cyl., 12.9 L) XCURSOR 13 NG (6 cyl., 12.9 L) Power range From 341 to 600 hp

Key Advantages

Performance

- Best-in-class in performance and transient response with low fuel consumption.
- Best-in-class in braking power thanks to a new valve train system.
- 11 L performance in a 9 L package.
- High maximum torque delivered at low rpm thanks to new eVGT.

Fuel efficiency & CO₂

- Low Total Cost of Ownership thanks to EGR-free architecture and DPF with passive regeneration.
- XCURSOR 13 key contributor to achieving the 2025 target for reducing CO₂ emissions in the vehicle fleet.
- FPT Industrial's exclusive HI-eSCR ATS technology.

Reliability & Durability

- High reliability thanks to EGR-free architecture and class leading in durability.
- Extended oil and DPF service intervals.

Versatility

- XCURSOR 13 the first multifuel core base engine for Diesel, Natural Gas and future Hydrogen applications.
- Easily adaptable for different vehicle installations and for a wide market coverage.
- Common engine architecture from Euro III to Euro VI.

Worldwide presence

 Worldwide footprint (Europe, China, Latin America).

Natural Gas

- Best-in-class in performance, oil change interval and durability.
- Best-in-class in braking power thanks to a new valve train system.
- Low fuel consumption and reduced engine noise vs Diesel thanks to multipoint stoichiometric combustion.
- High reliability thanks to Ni-Resist cast-iron exhaust manifold, water cooled wastegate turbocharger and Compacted Graphite Iron (CGI) cylinder head (XCURSOR 13 only).
- Emissions compliance with a simple After-Treatment System.

FPT Industrial On-Road Engines Datasheet 28 **FPT Industrial** On-Road Engines Datasheet 29

Engine Specifications

	пате	Displacement Litres	er ement		Power			que
Fuel	Engine	Displa Litres	Cylinder Arrangement	kW	Нр	rpm	Nm	rpm
DIESEL	CURSOR 9	8.7	6L	294	400	2,200	1,700	1,200
DIESEL	CURSOR 9	8.7	6L	265	360	2,200	1,650	1,200
DIESEL	CURSOR 9	8.7	6L	251	341	2,200	1,400	1,100
DIESEL	CURSOR 11	11.1	6L	353	480	1,900	2,300	970
DIESEL	CURSOR 11	11.1	6L	338	460	1,900	2,150	925
DIESEL	CURSOR 11	11.1	6L	309	420	1,900	2,000	870
DIESEL	CURSOR 13	12.9	6L	419	570	1,900	2,500	1,000
DIESEL	CURSOR 13	12.9	6L	387	530	1,900	2,400	950
DIESEL	CURSOR 13	12.9	6L	375	510	1,900	2,300	900
DIESEL	CURSOR 13	12.9	6L	357	490	1,900	2,400	950
DIESEL	CURSOR 13	12.9	6L	332	452	1,900	2,200	870
DIESEL	CURSOR 13	12.9	6L	302	411	1,900	2,120	1,200
DIESEL	XCURSOR 13	12.9	6L	442*	600	1,900	2,850	980
DIESEL	XCURSOR 13	12.9	6L	426	580	1,650	2,800	978
DIESEL	XCURSOR 13	12.9	6L	426	580	1,650	2,600	940
DIESEL	XCURSOR 13	12.9	6L	397	540	1,650	2,700	956
DIESEL	XCURSOR 13	12.9	6L	397	540	1,650	2,500	910
DIESEL	XCURSOR 13	12.9	6L	368	500	1,650	2,600	843
DIESEL	XCURSOR 13	12.9	6L	368	500	1,650	2,400	795
DIESEL	XCURSOR 13	12.9	6L	338	460	1,650	2,500	820
DIESEL	XCURSOR 13	12.9	6L	338	460	1,650	2,300	770
NATURAL GAS	CURSOR 9 NG	8.7	6L	294	400	2,000	1,700	1,200
NATURAL GAS	CURSOR 9 NG	8.7	6L	280	381	2,000	1,700	1,200
NATURAL GAS	CURSOR 9 NG	8.7	6L	251	340	2,000	1,500	1,100
NATURAL GAS	CURSOR 13 NG	12.9	6L	338	460	1,900	2,000	1,100
NATURAL GAS	XCURSOR 13 NG	12.9	6L	382*	520	1,900	2,500	1,100
NATURAL GAS	XCURSOR 13 NG	12.9	6L	368	500	1,700	2,200	1,000

Legend

1 Dimensions and weight can be changed according to engine options.

*Max capability.

Arrangement
L In line vertical

Injection System

ECR Electronic Common Rail
MPI Multi-point Injection

	Turbocharging	Injection System	Dimensions¹ (LxWxH) mm	Dxy Weight¹ kg	Emission Standards	Exhaust System
-	eVGT	ECR 1,800 bar	1,181 x 1,001 x 1,079	860	Euro VI E	DOC + DPF + SCR + CUC
V	WG	ECR 1,800 bar	1,181 x 1,001 x 1,079	860	Euro VI E	DOC + DPF + SCR + CUC
V	WG	ECR 1,800 bar	1,181 x 1,001 x 1,079	860	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT	ECR 2,200 bar	1,286 x 1,035 x 1,149	1,080	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT	ECR 2,200 bar	1,286 x 1,035 x 1,149	1,080	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT	ECR 2,200 bar	1,286 x 1,035 x 1,149	1,080	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT	ECR 2,200 bar	1,360 x 1,008 x 1,171	1,132	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT	ECR 2,200 bar	1,360 x 1,008 x 1,171	1,132	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT	ECR 2,200 bar	1,360 x 1,008 x 1,171	1,132	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT	ECR 2,200 bar	1,360 x 1,008 x 1,171	1,132	Euro VI E	DOC + DPF + SCR + CUC
V	WG	ECR 2,200 bar	1,360 x 1,008 x 1,171	1,132	Euro VI E	DOC + DPF + SCR + CUC
V	WG	ECR 2,200 bar	1,360 x 1,008 x 1,171	1,132	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
•	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
6	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
	eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
v	NG	MPI	1,433 x 1,014 x 1,100	870	Euro VI E2	3 WAY CATALYST + CPF
v	NG	MPI	1,433 x 1,014 x 1,100	870	Euro VI E2	3 WAY CATALYST + CPF
V	NG	MPI	1,433 x 1,014 x 1,100	870	Euro VI E2	3 WAY CATALYST + CPF
v	WG	MPI	1,610 x 1,027 x 1,178	1,150	Euro VI E2	3 WAY CATALYST + CPF
•	eWG	MPI	1,365 x 1,067 x 1,167	1,050	Euro VI E2	EGR + 3 WAY CATALYST + CPF
6	eWG	MPI	1,365 x 1,067 x 1,167	1,050	Euro VI E2	EGR + 3 WAY CATALYST + CPF

Turbocharging

eVGT Electronic Variable Geometry Turbo eVGT Electronic Variable Geometry Turbo
eVGT BE Electronic Variable Geometry Turbo Ball Bearing
eVG Fixed geometry turbocharger with wastegate valve
eWG Electronic fixed geometry turbocharger with wastegate

Exhaust System

EGR External Exhaust Gas Recirculation

DOC Diesel Oxidation Catalyst

SCRoF Selective Catalytic Reduction on Filter

SCR Selective Catalytic Reduction

CUC Clean Up Catalyst

CPF CNG Particulate Filter

ENGINES FOR BUSES

FPT Industrial On-Road The F1 Series 32 FPT Industrial On-Road The F1 Series 33

THE F1 SERIES



Engine Models F1C (4 cyl., 3 L) F1C NG (4 cyl., 3L) Power range From 127 to 207 hp

Key Advantages

Performance

- Best-in-class in power and torque (up to 207 hp and 470 Nm).
- Best-in-class in transient response thanks to Electronic Variable Geometry Turbo (eVGT).

Worldwide presence

- Worldwide footprint (Europe, China, Latin America).
- Worldwide Emission
 Certifications availability.
- ATS system with double SCR, optimized for urban missions with reduced load and low exhaust temperatures, as well as for suburban use.

Reliability & Durability

- Class leading in reliability thanks to double chain timing.
- Long service life and durability (400,000 km Be10 on GVW up to 7.2 t).
- Class leading in maintenance (up to 50,000 km for oil change interval).

Versatility

- Optimized packaging available for both transverse and longitudinal installation.
- Available in off-the-shelf configuration for a wide range of applications.

Fuel Efficiency

 Exceptional efficiency achieved through a combination of multiple elements: electronically controlled variable-geometry turbocharger, reduced engine friction, variable-displacement oil pump, cooling system optimization, maximum torque value reached at low rpm (downspeeding), and cuttingedge high-pressure (up to 2,000 bar) Common Rail technology.

Natural Gas

- The only light engine also available in a Natural Gas configuration.
- Low fuel consumption and reduced engine noise vs Diesel thanks to multipoint stoichiometric combustion.
- Diesel industrial derived engines ensuring high reliability with simple WG turbocharger.
- Emissions compliance with a simple After-Treatment System (3-Way Catalyst with CPF and without EGR).

FPT Industrial On-Road Engines Datasheet 34 **FPT Industrial** On-Road Engines Datasheet 35

Engine Specifications

	name	cement	inder angement	Power			Torque		
Fuel	Engine	Displa Litres	Cylinder Arrangem	kW	Нр	rpm	Nm	rpm	
DIESEL	F1C	3	4L	152	207	3,500	470	1,400	
DIESEL	F1C	3	4L	129	175	3,500	430	1,600	
DIESEL	F1C	3	4L	129	175	2,865	430	1,600	
DIESEL	F1C	3	4L	110	150	2,620	400	1,600	
DIESEL	F1C	3	4L	96	130	2,620	350	1,400	
DIESEL	F1C	3	4L	95	127	3,400	430	1,500	
NATURAL GAS	F1C NG	3	4L	100	136	3,500	350	1,500	

Legend	
--------	--

1 Dimensions and weight can be changed according to engine options.

Arrangement
L In line vertical

Injection System
ECR Electronic Common Rail
MPI Multi-point Injection

Turbocharging	Injection System	Dimensions¹ (L×W×H) mm	Dry Weight¹ kg	Emission Standards	Exhaust System	Off-the-shelf configuration availability
eVGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	•
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	•
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	•
VGT	ECR 2,000 bar	858 x 704 x 739	257	Euro VI E	EGR + DOC + SCRoF + SCR + CUC	•
WG	MPI	745 x 695 x 750	245	Euro VI E2	3 WAY CATALYST + CPF	

Turbocharging
VGT Variable Geometry Turbo
eVGT Electronic Variable Geometry Turbo
WG Fixed geometry turbocharger with wastegate valve

Exhaust System

EGR External Exhaust Gas Recirculation

DOC Diesel Oxidation Catalyst

SCRoF Selective Catalytic Reduction on Filter

SCR Selective Catalytic Reduction

CUC Clean Up Catalyst

CPF CNG Particulate Filter

FPT Industrial On-Road The NEF Series 36 FPT Industrial On-Road The NEF Series 37

THE NEF SERIES



Engine Models

N45 (4 cyl., 4.5 L) N67 (6 cyl., 6.7 L) N67 NG (6 cyl., 6.7 L) Power range From 160 to 320 hp

Key Advantages

Performance

- Power density aligned with best Competitors.
- Ideal for applications where fuel economy, weight and space are paramount.

Fuel Consumption

- Low Total Cost of Ownership thanks to EGR-free architecture and DPF with passive regeneration.
- FPT Industrial's exclusive HI-eSCR ATS technology.

Reliability & Durability

- High reliability thanks to EGR-free architecture, simple turbocharger and cast-iron head / block.
- Up to 300,000 km DPF service intervals thanks to passive regeneration.

Versatility

- One engine displacement from Euro III to Euro VI.
- Optimized packaging and installation.
- Scale effect leveraging on other segments.
- Available in off-the-shelf configuration for wide range of applications.

Natural Gas

- The only Natural Gas medium-duty engine in Europe.
- Best-in-class in performance, durability (up to 450,000 km) and maintenance (spark plugs up to 900 hours, oil change intervals up to 750 hours and maintenance-free CPF).
- Low fuel consumption and reduced engine noise vs Diesel thanks to multipoint stoichiometric combustion.
- High reliability thanks to Ni-Resist cast-iron exhaust manifold and water cooled wastegate turbocharger.
- Emissions compliance with a simple After-Treatment System (3-Way Catalyst with CPF and without EGR).

FPT Industrial On-Road Datasheet 38 **FPT Industrial** On-Road Datasheet 39

Engine Specifications

	name	acement s	ler gement	Power			Torque		
Fuel	Engine	Displa Litres	Cylinder Arrangem	kW	hp	rpm	Nm	rpm	
DIESEL	N45	4.5	4L	137	186	2,500	750	1,400	
DIESEL	N45	4.5	4L	118	160	2,500	580	1,250	
DIESEL	N67	6.7	6L	235	320	2,500	1,100	1,250	
DIESEL	N67	6.7	6L	210	286	2,500	1,000	1,250	
DIESEL	N67	6.7	6L	184	250	2,500	950	1,400	
NATURAL GAS	N67 NG	6.7	6L	206	280	2,000	980	1,200	

Turboch	Injecti	Dimensi (LxWxH) mm	Dry Weig kg	Emissio Standar	Exhaust	Off-the- configua availab
WG	ECR 1,600 bar	854 x 782 x 910	400	Euro VI E	DOC + DPF + SCR + CUC	•
WG	ECR 1,600 bar	854 x 782 x 910	400	Euro VI E	DOC + DPF + SCR + CUC	•
WG	ECR 1,600 bar	1,100 x 782 x 924	530	Euro VI E	DOC + DPF + SCR + CUC	•
WG	ECR 1,600 bar	1,100 x 782 x 924	530	Euro VI E	DOC + DPF + SCR + CUC	•
WG	ECR 1,600 bar	1,100 x 782 x 924	530	Euro VI E	DOC + DPF + SCR + CUC	•
WG	MPI	1,060 x 704 x 868	548	Euro VI E2	3 WAY CATALYST + CPF	

1 Dimensions and weight can be changed according to engine options. *Max capability.

Arrangement
L In line vertical

Injection System

ECR Electronic Common Rail

MPI Multi-point Injection

TurbochargingWG Fixed geometry turbocharger with wastegate valve

Exhaust System
DOC Diesel Oxidation Catalyst
DIP Diesel Particulate Filter w/ passive regeneration
SCR Selective Catalytic Reduction

Clean Up Catalyst CNG Particulate Filter

FPT Industrial On-Road The CURSOR Series 40 FPT Industrial On-Road The CURSOR Series

THE CURSOR SERIES



Engine Models

CURSOR 9 (6 cyl., 8.7 L) CURSOR 9 NG (6 cyl., 8.7 L) XCURSOR 13 (6 cyl., 12.9 L) XCURSOR 13 NG (6 cyl., 12.9 L) Power range

From 310 to 600 hp

Key Advantages

Performance

- Best-in-class in performance and transient response with low fuel consumption.
- Best-in-class in braking power thanks to a new valve train system.
- 11 L performance in a 9 L package.
- High maximum torque delivered at low rpm thanks to new eVGT.

Fuel efficiency & CO₂

- Low Total Cost of Ownership thanks to EGR-free architecture and DPF with passive regeneration.
- XCURSOR 13 developed to achieve CO₂ emissions target in the vehicle fleet.
- FPT Industrial's exclusive HI-eSCR ATS technology.

Reliability & Durability

- High reliability thanks to EGR-free architecture and class leading in durability.
- Extended oil and DPF service intervals.

Worldwide presence

 Worldwide footprint (Europe, China, Latin America).

Versatility

- XCURSOR 13 the first multifuel core base engine for Diesel, Natural Gas and future Hydrogen applications.
- Easily adaptable for different vehicle installations and for a wide market coverage.
- Common engine architecture from Euro III to Euro VI.

Natural Gas

- Best-in-class in performance, oil change interval and durability.
- Best-in-class in braking power thanks to a new valve train system.
- Low fuel consumption and reduced engine noise vs Diesel thanks to multipoint stoichiometric combustion.
- High reliability thanks to Ni-Resist cast-iron exhaust manifold, water cooled wastegate turbocharger and Compacted Graphite Iron (CGI) cylinder head (XCURSOR 13 only).
- Emissions compliance with a simple After-Treatment System.

FPT Industrial On-Road Engines Datasheet 42 **FPT Industrial** On-Road Engines Datasheet 43

Engine Specifications

	пате	acement s	er Jement		Power		Tor	que	
Fuel	Engine	Displacement Litres Cylinder Arangement	kW	Нр	rpm	Nm	rpm		
DIESEL	CURSOR 9	8.7	6L	294	400	2,200	1,700	1,200	
DIESEL	CURSOR 9	8.7	6L	265	360	2,200	1,650	1,200	
DIESEL	CURSOR 9	8.7	6L	251	341	2,200	1,400	1,100	
DIESEL	CURSOR 9	8.7	6L	228	310	2,200	1,300	1,100	
DIESEL	XCURSOR 13 ²	12.9	6L	442*	600	1,900	2,850	980	
NATURAL GAS	CURSOR 9 NG	8.7	6L	294	400	2,000	1,700	1,200	
NATURAL GAS	CURSOR 9 NG	8.7	6L	264	359	2,000	1,640	1,100	
NATURAL GAS	CURSOR 9 NG	8.7	6L	251	340	2,000	1,500	1,100	
NATURAL GAS	CURSOR 9 NG	8.7	6L	228	310	1,800	1,300	1,100	
NATURAL GAS	XCURSOR 13 NG ²	12.9	6L	382*	520	1,900	2,500	1,100	

Arrangement L In line vertical

Injection System

ECR Electronic Common Rail

MPI Multi-point Injection

Turbocha	Injectio System	Dimensio (LxWxH) mm	Dry Weig kg	Emission Standard	Exhaust
eVGT	ECR 1,800 bar	1,181 x 1,001 x 1,079	860	Euro VI E	DOC + DPF + SCR + CUC
WG	ECR 1,800 bar	1,181 x 1,001 x 1,079	860	Euro VI E	DOC + DPF + SCR + CUC
WG	ECR 1,800 bar	1,181 x 1,001 x 1,079	860	Euro VI E	DOC + DPF + SCR + CUC
WG	ECR 1,800 bar	1,181 x 1,001 x 1,079	860	Euro VI E	DOC + DPF + SCR + CUC
eVGT BB	ECR 2,500 bar	1,365 x 1,079 x 1,185	1,018	Euro VI E	DOC + DPF + SCR + CUC
WG	MPI	1,433 x 1,014 x 1,100	870	Euro VI E2	3 WAY CATALYST + CPF
WG	MPI	1,433 x 1,014 x 1,100	870	Euro VI E2	3 WAY CATALYST + CPF
WG	MPI	1,433 x 1,014 x 1,100	870	Euro VI E2	3 WAY CATALYST + CPF
WG	MPI	1,433 x 1,014 x 1,100	870	Euro VI E2	3 WAY CATALYST + CPF
eWG	MPI	1,365 x 1,067 x 1,167	1,050	Euro VI E2	EGR + 3 WAY CATALYST + CPF

eVGT Electronic Variable Geometry Turbo
eVGT BE Electronic Variable Geometry Turbo Ball Bearing
WG Fixed geometry Turbocharger with wastegate valve
eWG Electronic fixed geometry turbocharger with wastegate

Exhaust System
DOC Diesel Oxidation Catalyst
DPF Diesel Particulate Filter w/passive regeneration
SCR Selective Catalytic Reduction

CUC Clean Up Catalyst
CPF CNG Particulate Filter

¹ Dimensions and weight can be changed according to engine options.
² Derivation from the truck version may be required subject to Customer request.

^{*}Max capability.



FPT Industrial Driveline Drivelines 46 FPT Industrial Driveline Drivelines 47



Front & Rear Axles



Performance

- High performance axles for all commercial vehicles.
- On-demand all-wheel drive with improved traction. Hydrostatic Drive on the front axle engaged when needed, supplementing rear-axle power or preventing slip.

Efficiency

 Designed for high efficiency and optimized power-weight ratio.

Reliability

- Best-in-class in efficiency for all LCV applications.
- Easy maintenance and long oil change interval (up to 450,000 km for Medium and Heavy-duty up to 350,000 km for Lightduty).

Versatility

- Products for every kind of application from On to Offhighway.
- Rear axle available with disc or drum brakes, single and twin wheel with differential lock for the best end user flexibility in different applications.
- Heavy-duty applications available in Solo and Tandem rear axle configurations to optimize vehicle payload capacity.

Axle model

Front axles: from 3.6 to 18 t GAW and up to 40 t GVW capability.

Rear axles: from 2.45 to 32 t GAW and up to 60 t GVW capability.

FPT Industrial Driveline Datasheet 50 **FPT Industrial** Driveline Datasheet 51

Axles Specifications

	Application	Model	Туре	GAW t
	HEAVY TRUCK	5990	S/T	9 + 9
	HEAVY TRUCK	5890	S/T	9 + 9
	HEAVY TRUCK	5886	S/T	8.5 + 8.5
	HEAVY TRUCK	5876	S	8
NOT DRIVING SINGLE	HEAVY TRUCK	5872	S	7.5
REDUCTION AXLES	HEAVY TRUCK	5871/5	S	7.5
	MEDIUM TRUCK	5860	S	6
	MEDIUM TRUCK	5845	S	4.6
	MEDIUM TRUCK	5833	S	3.6
DRIVING HUB REDUCTION	HEAVY TRUCK*	5985	S/T	9 + 9
AXLES	MEDIUM TRUCK*	5956	S	6

GVW t	Brake System	Oil Quantity Litres	Weight kg	Axle ratio range
40	DISC	Hydraulic System	500	N.A.
40	DISC	No Oil	427	N.A.
40	DISC/DRUM	0.7	434	N.A.
18	DISC/DRUM	0.7	423	N.A.
18	DRUM	0.7	410	N.A.
18	DISC	0.7	423	N.A.
16	DISC	No Oil	316	N.A.
12	DISC	0.3	246	N.A.
10	DISC	0.2	175	N.A.
40	DRUM	6.5	702	3.48 - 6.58
15	DRUM	6.5	604	4.82 - 8.27

* OFF Highway S Solo T Tandem

FPT Industrial On-Road Datasheet 52 FPT Industrial On-Road Datasheet 53

Front Axles Specifications

	Application	Mode 1	Туре	GAW t	
	HEAVY TRUCK	MT23	Т	11.5 + 11.5	_
	HEAVY TRUCK	18X	S	13	
	HEAVY TRUCK	MS13 - 17×HE	S	13	
	HEAVY TRUCK	MS13 - 17X	S	13	
	MEDIUM TRUCK	MS11	S	11	
	MEDIUM TRUCK	MS10	S	10.5	
SINGLE REDUCTION	MEDIUM TRUCK	MS08	S	8.5	
AXLES	MEDIUM TRUCK	4521	S	7	
	MEDIUM TRUCK	4517	s	6	
	LIGHT TRUCK	4517/2	S	5.4	
	LIGHT TRUCK	4517/3	S	4.5	
	LIGHT TRUCK	4511	S	4	
	LIGHT TRUCK	NDA SW & TW	S/T	2.4 ÷ 2.6	
	LIGHT TRUCK	NDA SWHD	S	2.7	
	HEAVY TRUCK*	453291	Т	16 + 16	
	HEAVY TRUCK*	452191	Т	11.5 + 11.5	
HUB REDUCTION	HEAVY TRUCK*	452146	Т	11.5 + 11.5	
AXLES	HEAVY TRUCK*	451846	Т	9 + 9	
	HEAVY TRUCK*	451391	S	13	
	MEDIUM TRUCK*	451146	S	11	
	HEAVY TRUCK	5890 Pusher	Steering	9	
TAG AXLES	HEAVY TRUCK	56082	No-Steering	10	
I AG AALLS	HEAVY TRUCK	57080	Steering	8	
	HEAVY TRUCK	55080	No-Steering	8	

GVW t	Brake System	Oil Quantity Litres	Weight kg	Axle ratio range
32	DISC/DRUM	19 + 14.5	735 + 626	2.83 - 5.67
60	DISC	12	726	2.06 - 4.11
26	DISC/DRUM	11	617	2.06 - 3.36
26	DISC/DRUM	11	617	3.70 - 6.17
18	DISC	15	525	2.83 - 6.17
16	DISC	12.7	480	2.93 - 6.83
12	DISC	6.5	350	3.07 - 5.57
10	DISC	5.4	296	3.07 - 5.57
8	DISC	3	264	3.15 - 5.57
7.2	DISC	3	215	3.91 - 5.13
7	DISC	3	240	3.91 - 5.13
5.2	DISC	1.9	157	2.93 - 5.86
3.8	DISC	1.35	130 ÷ 140	2.92 - 5.63
4.25	DISC	1.35	152	3.15 - 4.44
40	DISC/DRUM/S-CAM	23.5 + 13.5	862 + 722	3.79 - 6.58
33	DISC/DRUM	23.5 + 13.5	841 + 698	3.79 - 6.58
33	DISC/DRUM	11 + 10	719 + 615	3.48 - 6.58
33	DISC	13 + 11.5	600 + 500	3.97 - 7.51
19	DISC/DRUM	16	692	3.79 - 6.58
15	DRUM	11.5	528	3.48 - 6.58
-	DISC	No Oil	427	N.A.
26	DISC	No Oil	342	N.A.
26	DISC	0.7	475	N.A.
26	DISC	0.7	408	N.A.

Legend

* OFF Highway S Solo T Tandem



Application LCVs and Minibuses up to 8 t GVW Weight 57 kg

Durability 450,000 km **Speeds** 6-speed PTO Available **Oil Quantity** 1.8 L

Max input Torque 500 Nm **Gear Ratio** 1^ 5.375 2 ^ 3.154 3^ 2.041 4 ^ 1.365

Performance

- State-of-the-art art shifting comfort and best-in-class for precision thanks to a robust new pre-synchronizer system, lowfriction bearings and an optimized internal shifter grid.
- Excellent torque-weight ratio.

Efficiency

Best-in-class efficiency, fuel saving thanks to low friction bearings and gaskets and new synthetic oil (extended oil change intervals).

Reliability

Transmission guaranteed for a service life of up to 450,000 km.

Flexibility

PTO always available for end user flexibility for different applications.



YOU ASK FOR THE BEST. WE MAKE IT HAPPEN.

When the market becomes increasingly challenging, it is essential to have reliable partners.

We work closely with our Customers to provide tailormade solutions, maximizing engine performance and durability. We are committed to doing everything possible to support you and your business. 60

Extended Warranty. Everyday closer to your needs.

On-Road

On top of the Base Warranty, it is possible to register for our Extended Warranty program, which covers all required FPT Industrial Genuine Parts along with any repairs carried out by highly qualified technicians.

The FPT Industrial Extended Warranty guarantees:

- Customizable offer according to your needs.
- Warranty costs of your FPT Industrial Product are known in advance.
- Assistance performed by FPT Industrial qualified technicians.
- Optimal Product performance thanks to FPT Industrial Genuine Parts.

Our FPT Industrial Extended Warranty has been developed with the aim of being closer to you in your everyday activities. You can customize it according to your needs and extend it for up to four years. To request a quotation please contact your reference FPT Industrial Dealer.

	OPERATING KMS	COVERAGE	DURATION
TRUCK & BUS	Up to 500,000 km	□ BRONZE Engine Major components only* □ SILVER Complete Engine □ GOLD Complete Engine + ATS	Engine Base Warranty + 1 Year EW 2 Years EW 3 Years EW 4 Years EW Up to 4 years of total coverage

^(*) Main engine components list: Cylinder head; cylinder block; crankshaft; camshaft; connecting road; pistons; timing gears; flywheel; flywheel housing; oil pump; exhaust manifold; engine control unit.

Proactive Assistance. **Your direct connection to the Control Room.**

Ensuring optimal engine performance and smooth operations has never been easier, thanks to our advanced connected services, our Control Room and Telematic Kit. The telematics (MyFPT Portal and the Telematic Kit), directly connected to your engine, allow the Control Room to analyse your engine in real-time. Through this advanced system, we can promptly detect any anomalies and identify areas for optimization.

Our dedicated team is always ready to provide prompt assistance and support. With this proactive approach, we can address any potential issues, ensuring that your engine performs at its best.

Experience the convenience of enhanced engine performance and the peace of mind that comes with our close monitoring and support.

- Health status monitoring.
- Maximize uptime thanks to the prompt activation of the FPT Industrial local Service Point, which is informed about the issue in advance, before even leaving the workshop.
- Engine diagnostics and repair based on FPT Industrial technical know-how and field experience.
- Total Cost of Ownership (TCO) reduced by minimizing downtime.



RAS - Remote Assistance Support. Ready to provide digital assistance.

Remote Assistance, the latest assistance tool introduced by FPT Industrial, is designed to lead users into a new digital and innovative experience.

This user-friendly solution is remarkably easy to install and use. All it takes is for a technician to plug the Dongle into the vehicle's OBD (On-Board Diagnostics) port and configure it through the FPT Industrial RAS Workshop APP.

Remote Assistance allows for the efficient diagnostics and troubleshooting of specific errors or fault codes, enabling the quick restoration of the engine to its normal operating conditions.

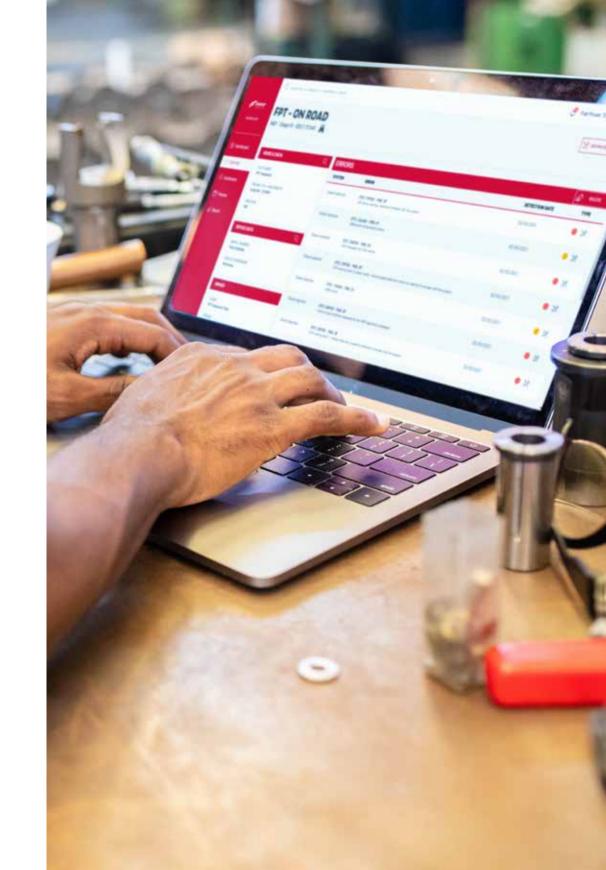
FPT Industrial has developed this product specifically for their engines, drawing upon their expertise and engineering knowledge.

It is meticulously designed to meet Customers' needs, offering maximum reliability and comprehensive coverage across their range of engines.

As an official diagnostic tool, it remains in perfect alignment with the latest engine updates, including the incorporation of specific error codes.

Main features:

- Maximizes uptime by immediate remote assistance.
- Complies with ECU regulations: over-the-air DPF service regeneration and error reset.
- Enables remote real-time pre-diagnosis through the Workshop portal.



FPT Industrial On-Road Customer Service 64

Genuine Parts. Original is better.

Our Genuine Parts are manufactured with the same rigorous procedures and premium materials as your FPT Industrial engine. They ensure:

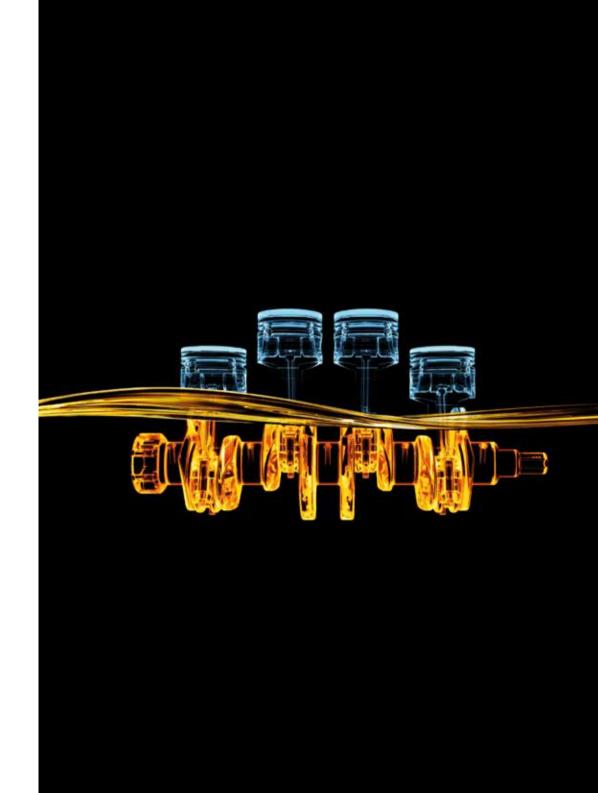
- Total Compatibility: guaranteed to perfectly fit with your engine.
- Optimized Service Life: exceptional durability without compromising engine performance.
- Guaranteed Operation: assured to achieve optimal engine output.

By choosing FPT Industrial Genuine Parts, you maintain the best conditions just like from the manufacturing plant, maximizing engine output and uptime. Our network of Authorized Workshops features highly qualified technicians ready to expertly assist you in achieving peak engine efficiency.

The perfect combination.

FPT Industrial Genuine Engine Oils are designed with Customer's missions in mind. Developed for exceptional performance under any condition, our lubricants deliver:

- Enhanced Protection & Durability: extended engine life and minimized downtime with superior wear and tear resistance.
- Maximized Uptime & Fuel Efficiency: our core focus is keeping your equipment running strong. FPT Industrial Fluids has been developed to guarantee the highest level of cleanliness, protection and efficiency, resulting in:
 - +87% cleaner pistons and +68% better top ring protection.
 - +41% Cylinder Wear protection.
 - +20% improved Soot Handling and Sludge Control.
 - -20% in Total Cost of Ownership (TCO).
 - Reduced fuel and oil consumption for a greener future.C16 600, C16 1000



You need help? We are here for you.

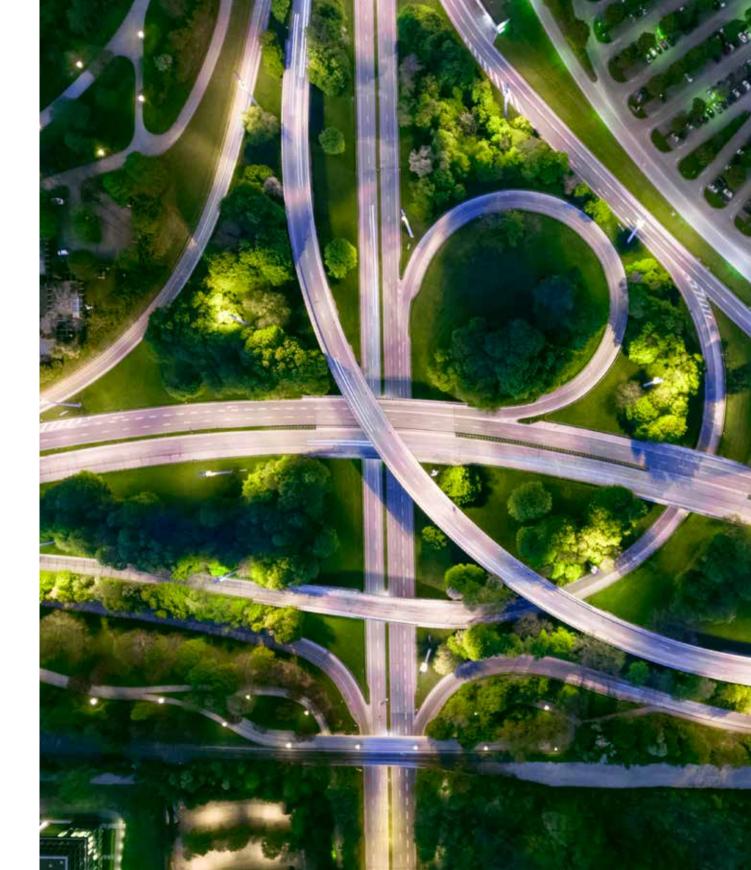
Because you never stop, and neither do we. Our Customer Contact Centre is active 24/7, to assist you and to activate our local support network.

For any issue or need, our technical and expert support service is ready to help you any time, anywhere.

If you need technical support or assistance on-site, you can always rely on a global network of 70 dealers and over 900 service points.

Discover our global dealers' network:







NOTE	NOTE

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NOTE