

IVECO

ZOOM

FOCUS ON TECHNOLOGY



PRODUCT BULLETIN

Engine.

Genuine Parts
HIGH PERFORMANCE

Reman Parts
SUSTAINABLE CHOICE

General features.

Engines are the heart of vehicles, built to deliver dependable power day after day. They **provide the power and torque** needed to move heavy loads efficiently, whether on long highway routes or in busy urban traffic. IVECO engines are designed not only for performance but also for **durability and fuel efficiency**, helping businesses keep operating costs under control and compliant with standard emissions. Engine is part of the vehicle crucial products along with cabin, axle, chassis, and gearbox.

IVECO provides **three different engine families**, each one dedicated to specific vehicle range and Long Block configuration.



F1

The F1 series, specifically designed for **Daily**, is the culmination of many years of experience in the field. The F1 family includes:

- **The F1A engine** offers high performance of **up to 115 kW (156 hp) and 400 Nm**. Engines are optimized for fast transient response, thanks to advanced air management systems such as the electronically controlled variable-geometry turbocharger (eVGT).
- **The F1C engine** is a **leader in its category in terms of performance**, delivering **up to 152 kW (207 hp) and 470 Nm**, and boasts **the best transient response** in its class thanks to electronically controlled variable geometry turbochargers (eVGT), delivering 470 Nm at 1.400 rpm/min.



Tector

The Tector range is the **most compact, efficient and cost-effective engine solution** in the 6-8 ton truck, bus and coach category.

- The Tector engines **maximize durability and long service intervals**, while minimizing fuel consumption.
- Tector Euro VI step E engines come in **4 and 6-cylinder configurations**, with displacements ranging from 4,5 to 6,7 liters.
- The 6,7-liter version is offered in **natural gas version for cleaner and cost efficient regional and urban missions**.

Cursor

Cursor engines range covers the heavy and bus ranges, to support different on-road and off-road missions and ensure lower environmental impacts.

Cursor 9

- Available in both **Diesel and CNG versions**, compliant with **Euro VI Step E standards**, with power ratings from 300 to 400 hp.
- **Outstanding performance** combined with **contained fuel consumption**.
- The centrifugal blow-by systems and the electronic exhaust flap on Euro VI Step E engines **increase engine brake power**.

Cursor 11 & 13

- Engines that deliver maximum power output from 310 to 600 hp.
- The best solution for **long-distance and heavy-duty trucks** over 16 tons of Gross Vehicle Weight.
- **Two natural gas versions** for minimum emissions.



Cursor XC13

- The XCursor 13 is the **first multi-fuel single base engine** designed to run on diesel, methane and, in the future, hydrogen.
- The XCursor 13 is a **primary contributor to achieving CO₂ emission targets**.
- New air handling for down speeding and **fast transient response** along with improved combustion efficiency.
- **Wide range of ratings for different applications** with long service intervals: oil change intervals of up to 150.000 km, and DPF change intervals of up to 600.000 km.

Long Block

Provided for the F1 range, Long Blocks are the best and quickest solution for **engine repair/overhaul**, maximizing the uptime of your machine. **Ready-to-fit replacement parts fully compliant with IVECO standard**, it grants best price quality value and optimum engine performance.

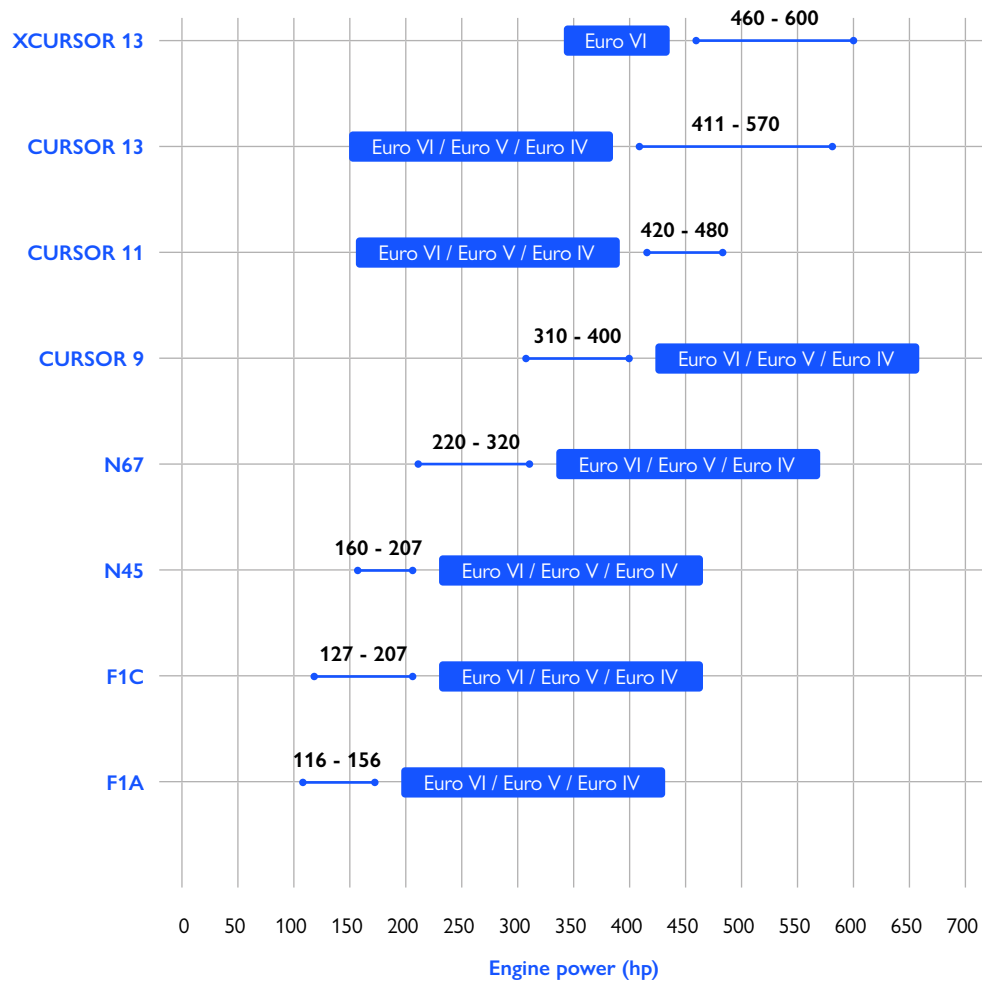
Main components of Long Block are:

- Short block
- Head cover
- Equipped cylinder head
- Oil sump
- Heat exchanger (according to the variant)



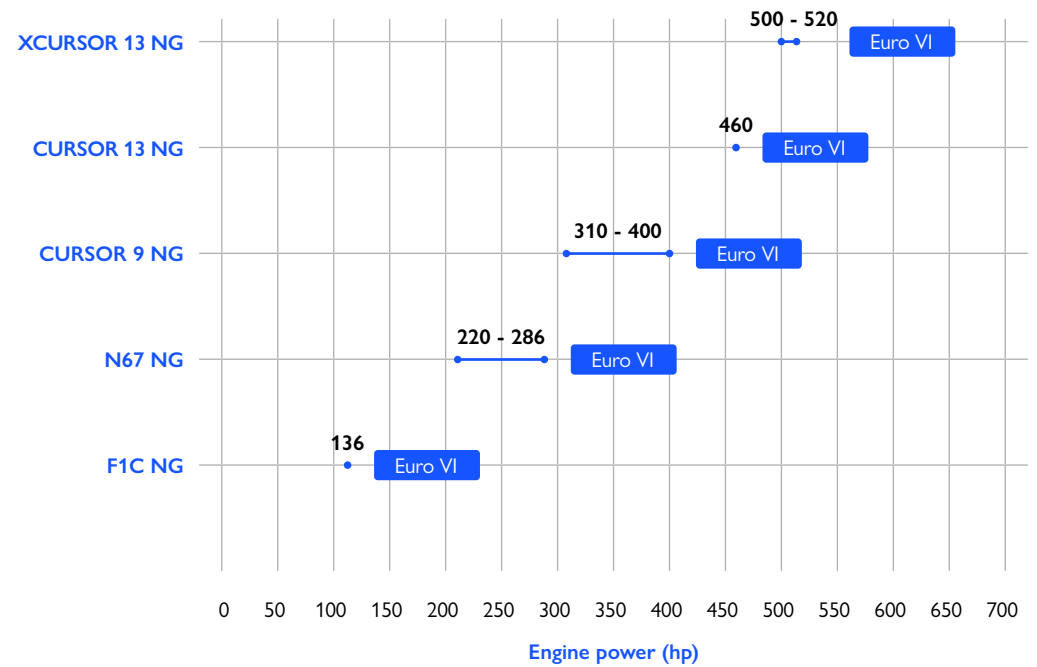
Engine power ratings.

On-road diesel engines portfolio overview





On-road natural gas engines portfolio overview



Reman engines.

Reman Parts
SUSTAINABLE CHOICE

IVECO Reman engines are fully remanufactured, tested and certified to deliver the same performance specifications as original engines. Each unit integrates a combination of new components and reconditioned certified parts, providing OE quality while reducing costs by 30% in average or around.

Thanks to their configuration, Reman is a flexible and cost-efficient solution. Their high quality also allows for extended warranty coverage up to 3 years.

Reman configuration.

Reman engines are **available in complete engine and in Long Block version**. Reman offers a complete range of products covering all the engine types – from F1 to Cursor 13 – both as complete engine and Long Block.

Main components of Reman engine

COMPONENTS	F1	TECTOR	CURSOR
Crankcase	•	•	•
Engine mounts front and rear	•	-	-
Cylinder head	•	•	•
Cylinder head cover	•	•	•
Intake & exhaust valves	•	•	•
Push rods & tappets	•	•	•
Crankshaft and bearing	•	•	•
Crankshaft pulley	•	•	•
Camshaft and bearing	•	•	•
Rocker arm & shaft assembly	•	•	•
Timing system and housing	•	•	•
Pistons, connecting rods and bearings	•	•	•
Housing flywheel	•	•	•
Flywheel	•	•	•
Oil pan	•	•	•
Oil strainer	•	•	•
Intake manifold	•	•	-
Exhaust manifold	•	•	•
Injectors	•	•	•
Injection pump	•	•	•
Turbocharger	•	•	•
Gauge and oil level	•	•	•
Oil pump	•	•	•
Oil filter	•	•	•
Oil filter support	•	•	•
Water pump	•	•	•
Thermostat & housing	•	•	•
Air breather	•	•	•
Main oil/fuel pipes & hoses of the engine	•	•	•

Yes • / Not available -

Please note that this list is non exhaustive and can be subject to product improvement.
CNG Cursor 8/9/13 Reman engine: include the complete gas system, the wiring harness and sensors.
All gaskets included in the Reman engine are 100% changed.



Main components of the Reman Long Block

COMPONENTS	F1	TECTOR	CURSOR
Crankcase	•	•	•
Cylinder head	•	•	•
Cylinder head cover	•	•	•
Rocker arm & shaft assembly	•	•	•
Intake & exhaust valves	•	•	•
Push rods & tappets	•	•	•
Crankshaft and bearings	•	•	•
Camshaft and bearing	•	•	•
Timing system and housing	•	•	•
Pistons, connecting rods and bearings	•	•	•
Housing flywheel	•	•	•
Oil pan	•	•	•
Strainer suction	•	•	•
Flywheel protection	•	-	-
Injectors	-	•	•
Oil pump	•	•	•
Oil filter	•	-	-
Oil filter support	•	•	-

Yes • / Not available -

Please note that this list is non exhaustive and can be subject to product improvement.
All gaskets included in the Reman engine are 100% changed.



Remanufacturing process.

The Reman process begins once the core unit is returned to IVECO.

It follows six certified stages:

Inspection

> The core is disassembled, and IVECO assesses the product improvement opportunity.

Cleaning

> Engine cores are cleaned, according to customized, eco-friendly methodologies and material-specific cleaning procedures.

Component Certification

> The cores go through conformity checks and functional analysis.

Remanufacturing

> Engine is rebuilt and improved, with integration of new components.

Assembly

> New components are added to the engine by expert technicians.

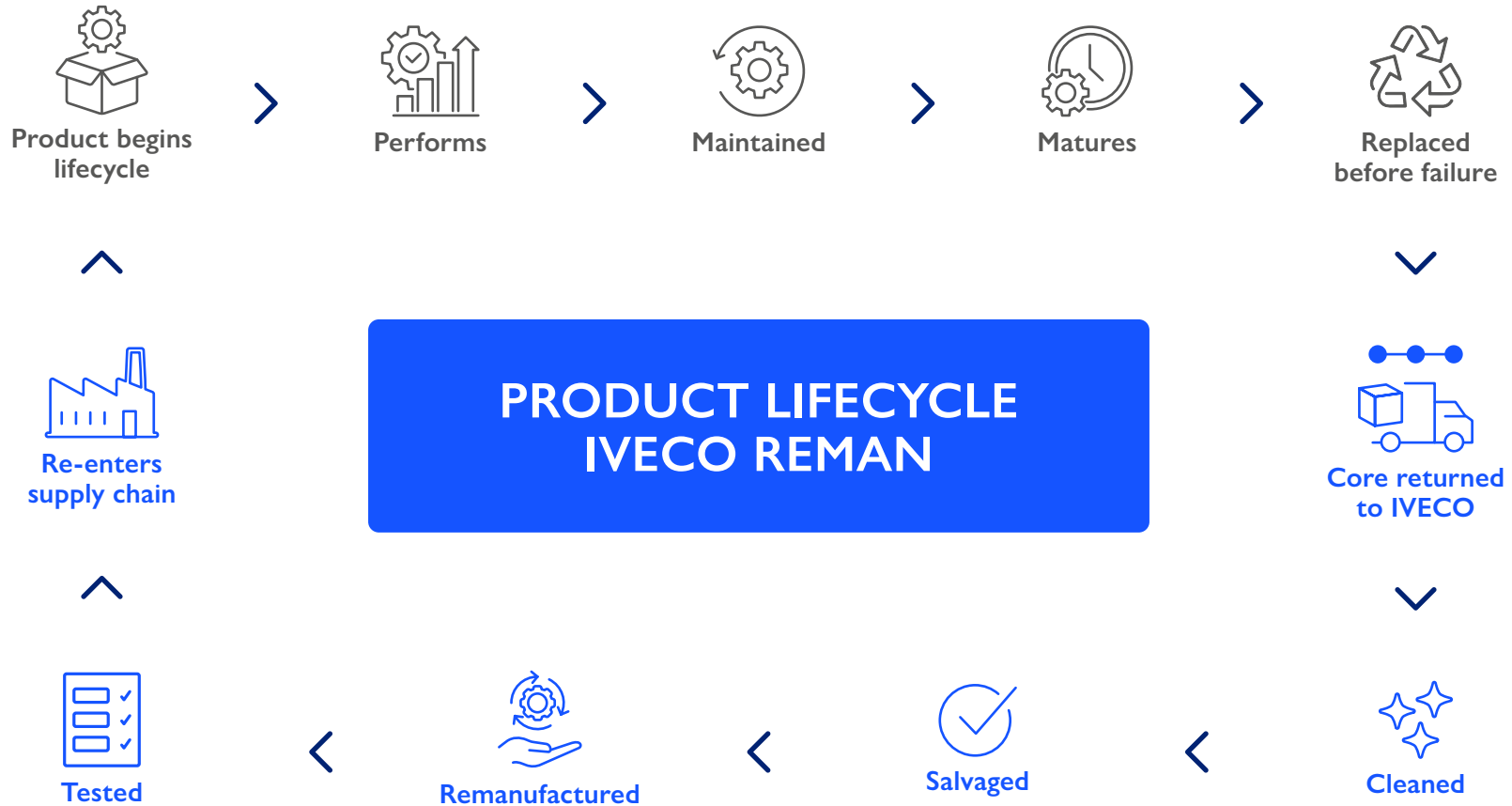
Testing

> Each engine undergoes performance testing aligned with the standards applied to new engines.

Then, the new Reman engine is ready to start its lifecycle again.

Why choose IVECO Reman engine?

- Same **high-end product performance** at a **reduced price**.
- Unlike independent alternatives, IVECO Reman engines are tested and validated to **Iveco Group ISO** standards.
- Reman process reworks or replaces every component, extending the **engine's lifespan**.
- **Designed by IVECO** to ensure perfect fit and full compatibility with the vehicle.





Why choose IVECO?

The full IVECO engine offer ensures that every customer can be provided with the solution that best fits their needs. The offer covers all the customers' needs with the proper solution and in the right time with **ready-to-use replacement parts**.

F1 Series

- » High-end **reliability & durability**, up to 400.000 km.
- » **Exceptional efficiency** thanks to cutting-edge turbocharger, reduced engine friction, and Common Rail technology among others.

Tector Series

- » **Low Total Cost of Ownership** thanks to higher durability and longer service intervals up to 80.000 km for diesel and up to 70.000 km natural gas engines.
- » **Best-in-class performance with low fuel consumption** and **reduced engine noise**.

Cursor Series

- » **Best-in-class in performance and response** with low fuel consumption.
- » **Huge power** in a small package. 11 liters performance in a 9 liters engine.

Long Block

- » **Repair Cost Reduction:** recovery of undamaged components leading to saving of time and money.
- » **Optimized Process:** risk mitigation in terms of availability and higher sustainability.
- » **Machine Uptime:** earlier machine availability for the customer since no intervention or assembly of the internal elements is required.

Product offer.

	F1A - F1C		TECTOR 4/6		CURSOR C8/C9/C10/ C11/C13/XC13	
	Genuine	Reman	Genuine	Reman	Genuine	Reman
Complete engine	•	•	•	•	•	•*
Long Block	•	•	-	•	-	•*

Available • / Not available -

* up to C13

Parts not included >

Service Engine	Reman Engine	Long Block
Alternator Air compressor Air compressor a/c ECU Starter motor Belt	Alternator Air compressor Air compressor a/c ECU Starter motor Belt Water collector Steering pump Turbo airline in/out Engine Cable	Alternator Air compressor Air compressor a/c ECU Starter motor Belt Turbocharger Water Pump Fuel Pump Fuel Injectors Flywheel Exhaust manifold Fuel Filter





IVECO

EUROCARGO

Maintenance tips.

To ensure proper engine and vehicle operation, it is essential to follow the maintenance intervals indicated in the owner's manual or on ETim. Respecting these schedules is not just a technical recommendation, it is a fundamental step toward keeping your vehicle safe, reliable, and performing at its best.

Regular maintenance plays a key role in road safety. A well-maintained vehicle responds better, performs more efficiently, and helps prevent unexpected issues that could compromise reliability.

Here are some best practices applicable to all engine families:

- **Regular inspections and timely servicing** help prevent premature wear, improve fuel efficiency, and extend the overall lifespan of the engine, while maintaining high safety standards.
- **Using the correct fluids, filters, and original spare parts** ensures optimal performance and reduces the risk of unexpected breakdowns that could affect vehicle reliability.
- **Addressing minor issues promptly** prevents small problems from escalating into costly repairs and helps maintain consistent vehicle safety.
- **Keeping the engine bay clean and free from debris** ensures efficient cooling and protects critical components over time.

Choosing an authorized service center also provides an additional level of confidence. Skilled technicians, professional diagnostic tools, and original spare parts ensure that every intervention meets the manufacturer's standards. Because maintenance is not just about performance, it's about safety on every journey.



**REGULAR
INSPECTIONS**



**ADDRESSING MINOR
ISSUES PROMPTLY**



**USING THE
ORIGINAL PARTS**



**KEEP THE ENGINE
BAY CLEAN**

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PUBLICATION 03/26

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