



## **New Stralis NP 460: a complete range of natural gas trucks for all missions that hits the sweet spot of the market with its 460 hp of Pure Power**

*The new Stralis NP 460, the most sustainable truck ever, is the only full range of natural gas heavy trucks with the latest-generation automated transmission designed to serve all missions and combines sustainability, performance, productivity and autonomy to perform the most demanding long-distance missions.*

*With 460 hp, the new Stralis NP centres the sweet spot of the long-haul market on the tractor and rigid segments with a full range that spans low tractor, swap bodies, ADR super-light tractor and with X-WAY NP, construction logistics.*

*The new Stralis NP 460, the single-fuel truck with double LNG tanks, 460 hp and an autonomy range of up to 1,600 km features IVECO's best on-road fuel efficiency technologies and services to deliver up to 15% less fuel consumption and up to 9% lower Total Cost of Ownership than a diesel truck.*

*The new Stralis NP 460 delivers PURE POWER, with a dramatic 99% reduction of Particulate Matter and 60% NOx compared to Euro VI limits and, with bio-methane, also CO<sub>2</sub> emissions are cut by 95%. It also slashes noise pollution, with its extremely quiet operation at less than 71 dB. This revolutionary truck gives transport operators the competitive advantage of offering truly sustainable logistics.*

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IVECO launched the new Stralis NP 460, the only **full offer of natural gas heavy trucks** specifically designed to cover a full range of missions, from regional to international haulage, from volume transportation to swap body applications, all the way to ADR and construction logistics. **The most sustainable truck ever** has acquired even more **power and efficiency** to deliver a true competitive advantage for transport operators aiming to meet the growing demand for 'green' logistics.

The new range introduces the **new IVECO Cursor 13 NP single-fuel engine** developed to deliver the power required for the most demanding missions. Also new is the **12-speed Hi-Tronix automated transmission** that further improves on the previous version's excellent driving comfort and performance, as well as adding new functionalities such as the GPS-based **HI-CRUISE** predictive driving. IVECO's modular approach results in ample factory option offer and ultimate flexibility in tailored customisations. The vehicle can run on CNG, combined CNG and LNG, or LNG. The double LNG tank version ensures the

**record range autonomy of up to 1,600 km.** The new Stralis NP 460 features IVECO's most advanced fuel-efficiency technologies and ultimate comfort of the Hi-Way cab designed for long-haul missions.

**Pierre Lahutte, IVECO Brand President,** commented: *“Last year we started the natural gas long-haul revolution with the Stralis NP 400 hp. Surfing the success of this ground-breaking vehicle, we are launching today a complete new range of single-fuel natural gas vehicles that centre the sweet spot of the long-haul market. The new Stralis NP 460hp delivers performance and productivity in all long-haulage missions with the ability to achieve close to zero emissions on bio-LNG: Pure Power!”*

## **THE BEST TRUCK FOR THE PLANET**

The Stralis NP 460 maximises the environmental advantages of natural gas, the most eco-friendly fuel for internal combustion engines and the mature solution for sustainable transport available today. Its proven technology delivers a **99% reduction of PM** and **60% of NOx compared to Euro VI limits**, helping to improve air quality on the roads and in urban areas. Its extremely **quiet operation**, measured at **less than 71 dB on the Piek quiet truck test**, adds to the unlimited sustainability of this vehicle. The Stralis NP 460 contributes to shrinking the carbon footprint of the transport industry by **cutting CO<sub>2</sub> emissions by up to 95%** when running on compressed or liquefied bio-methane.

The use of bio-methane has the added benefit of reducing dependency from fossil fuels, as it can be generated from agricultural and urban waste, sewage, or waste from the food industry. It can be produced locally, dramatically reducing the need for transporting energy and the related CO<sub>2</sub> emissions. In addition, its production process creates valuable by-products, such as bio-CO<sub>2</sub> for refrigerated units and bio-fertilizer for agriculture.

## **BEST-IN-CLASS POWER AND FUEL EFFICIENCY WITHOUT COMPROMISE**

The new IVECO Cursor 13 NP engine, engineered by FPT Industrial, was specifically developed for long-haul international transport. The most powerful pure gas engine on the market, it delivers the performance needed for the most demanding missions. The **enhanced combustion process** of the 12.9-litre displacement engine ensure the best fuel efficiency in long distance missions. The high fuel-flow gas injectors, fuel rail, pistons and turbo are designed to deliver high power output and torque. The durability and maintenance intervals have been extended to ensure the right performance with no compromise on uptime.

This result was achieved by applying **spark-ignition stoichiometric combustion** to natural gas. It is a “single fuel” solution that enables the IVECO Cursor 13 NP to run on **100% natural gas**. The exhaust

after-treatment is based on a compact and light 3-way catalyst that requires **no regeneration or additives**, bringing obvious **benefits in terms of package and payload**, as well as in reduced downtime. The IVECO Cursor 13 NP offers the added advantage of low noise and vibration, as stoichiometric combustion runs at 12:1 compression ratio (well below the 17:1 ratio of the Diesel cycle) and is therefore intrinsically quieter.

The IVECO Cursor 13 NP engine is **protected by two patents**: the first, for which patent protection is in progress, is the FPT Industrial **proprietary knock control** that makes it possible to increase the performance, enables the widest fuel compatibility, and protects engine and 3-way catalyst from misfiring.

The second one is FPT Industrial's proprietary **reactive air-flow control management system**, a new stoichiometric ratio control logic that is applied during gearshifts. This ensures a continuous torque delivery during AMT gearshifting, which enables maximised performance and the fastest gearshift. FPT Industrial has applied for patent registration for this system.

The Stralis NP 460 is the first natural gas truck with the latest-generation automated transmission, the new **12-speed HI-TRONIX automated gearbox** which offers the most advanced technology in its category, with 99.7% efficiency, exceptional durability, best-in-class gear spread of 16.7 and torque-to-weight ratio. This new transmission reduces shifting time by 10% compared to the previous model, and offers additional functionalities such as rocking function, four reverse gears and a new offer of PTOs. The HI-TRONIX comes with standard integrated hydraulic retarder and hill-holder function for driver and load safety.

The air-flow control management system ensures the **perfect integration of engine and gearbox** in the **Stralis NP 460**.

The Stralis NP 460 delivers **fuel economy on all missions** ranging from medium-distance regional routes all the way to long-haul international transport. In addition to the outstanding fuel efficiency of the engine, it features fuel-saving solutions such as the **DRIVING STYLE EVALUATION** to monitor and improve driving behaviour, the **ECOSWITCH** speed and torque limiter, **ECOFLEET** for the most efficient shifting strategy, the optimised rear axle ratio, the low-rolling resistance eco-tyres and IVECO's **Fuel Consultancy Services**. It also introduces the **HI-CRUISE** integrated drive system that includes GPS-based systems such as predictive cruise control and gearshifting, and further enhances the eco-roll function.

## **TOTAL COST OF OWNERSHIP UP TO 9% LOWER THAN DIESEL EQUIVALENT**

The Stralis NP 460 is the ideal truck for the long-haul transport business: it delivers outstanding TCO and equal or better comfort, payload, performance and versatility than a diesel truck. The new Stralis NP 460

achieves up to 9% reduction in TCO compared to a diesel vehicle, delivering a better dynamic performance. This is a further improvement from the 7% reduction that is already achieved by the Stralis NP 400 launched last year.

These significant savings in TCO result from the fuel efficiency of the Stralis NP 460, which uses **up to 15% less fuel**, together with the lower cost of natural gas compared to diesel. This economy can be further improved with the new **TCO<sub>2</sub> Live fuel consultancy services** exclusive to IVECO, which include the Smart Reports with Driving Style Evaluation score, fuel consumption and tyre pressure monitoring; the TCO<sub>2</sub> ADVISING fuel saving advice service; TCO<sub>2</sub> DRIVING economy-oriented courses; and the exclusive Uptime Guarantee formula.

Also contributing to the exceptionally low TCO are the **long service intervals**: already the longest in the industry in the previous version, they have been extended to **90,000 km**, resulting in more time on the road for the vehicle and lower maintenance costs. The absence of complex after-treatment systems, particulate filters, active regeneration further add to the low-maintenance advantages of the Stralis NP 460.

## **TCO-FOCUSED FLEET MANAGEMENT SERVICES WITH MICHELIN SOLUTIONS**

The new Stralis NP 460 introduces three innovative applications designed by MICHELIN solutions to facilitate the integration of the vehicle into the owner's fleet and its efficient management, as well as helping the fleet manager and the driver obtain the best performance and Total Cost of Ownership:

- **MyBestRoute** helps choose the smartest route;
- **MyInspection** digitalises the inspection of the vehicles;
- **MyTraining** offers the drivers a digitalised training adapted to the Stralis NP 460.

The MICHELIN Solutions services complement IVECO's fuel-efficiency services, contributing to the Stralis NP's viable and profitable role in a transport operator's fleet.

## **TANK COMBINATIONS TO SUIT EVERY MISSION**

The Stralis NP 460 offers an extensive choice of tank combinations based on short, long, right- or left-mounted, LNG and CNG to tailor the vehicle to the specific requirements of the customer's mission. On standard articulated trucks, LNG tanks are available in 3 sizes. This makes it possible to customise the vehicle by freeing up the space on the chassis that is required for the ancillaries of the customer's mission. The small-sized tanks can leave one metre where components such as compressors for tankers can be mounted, or the vehicle can be specified without the left-side tank to allow space for installing larger sized

components or for weight sensitive missions. The Stralis NP 460 offers the greatest flexibility, opening up virtually endless engineering opportunities for customization.

## **THE DEALER NETWORK WITH THE MOST ADVANCED NATURAL GAS KNOW-HOW AND EXPERIENCE**

IVECO has pioneered natural gas transport for more than 20 years, and consequently its network is the most experienced in the industry. IVECO dealers have acquired advanced technical know-how and extensive commercial experience. Today they support a running park of 22,000 natural gas vehicles across Europe, which is growing fast, as an increasing number of logistics operators choose the sustainable option and switch to natural gas for their fleets.

Some of the biggest transport providers in Europe, such as Transports Jacky Perrenot Group, Pe.Tra, Meyer Logistik, Grupo HAM and Jost Group, have put their trust in IVECO and the Stralis NP 400 hp for their fleets. Just over a year after its launch, 100 customers have chosen this ground-breaking vehicle, building up an order book of 1,600 units.

## IVECO

*IVECO is a brand of CNH Industrial N.V., a World leader in Capital Goods listed on the New York Stock Exchange (NYSE: CNHI) and on the Mercato Telematico Azionario of the Borsa Italiana (MI: CNHI). IVECO designs, manufactures and markets a wide range of light, medium and heavy commercial vehicles, off-road trucks, and vehicles for applications such as off-road missions.*

*The brand's wide range of products include the Daily, a vehicle that covers the 3 – 7.2 ton vehicle weight segment, the Eurocargo from 6 – 19 tons, the Trakker (dedicated to off-road missions) and the Stralis, both over 16 tons. In addition, the IVECO Astra brand builds off-road trucks, rigid and articulated dumpers as well as special vehicles.*

*IVECO employs close to 21,000 individuals globally. It manages production sites in 7 countries throughout Europe, Asia, Africa, Oceania and Latin America where it produces vehicles featuring the latest advanced technologies. 4,200 sales and service outlets in over 160 countries guarantee technical support wherever an IVECO vehicle is at work.*

*For further information about IVECO: [www.iveco.com](http://www.iveco.com)*

*For further information about CNH Industrial: [www.cnhindustrial.com](http://www.cnhindustrial.com)*

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