

## FPT INDUSTRIAL AT POWERGEN 2023. A FULL RANGE OF RELIABLE AND EFFICIENT ENERGY SOURCES

Turin, Italy, 22<sup>nd</sup> February 2023

**FPT Industrial** returns in its dual role of **diamond premier sponsor** and **exhibitor at POWERGEN International in Orlando** (Florida, USA), the largest networking and business event for electrical generators and solutions providers engaged in power generation.

From February 21 to 23, FPT Industrial's booth # 2404 at the Orange County Convention Center will be displaying an even more **complete range 3-to-13-liter engines for Power Generation applications** meeting various international emission standards – **Tier 3 through Stage V** – offering **high performance** along with **flexibility, reliability, and the lowest cost of ownership, with compact engine layouts**. In extreme weather events, FPT Industrial guarantees a reliable and efficient source of power. The engines on display will include the **F34 40kW Tier 4 Final, F34 75kW Tier 4 Final, F36 Tier 4 Final/Stage V, NEF45 Mechanical G-Drive Tier 3, NEF67 Stage V/Tier 4 Final and C9 Stage V**. A **dedicated customer service area**, featuring the MyFPT app for real time engine diagnostics, will complete the stand.



It will also feature a scale model of **FPT Industrial's ePowertrain Plant** – the Iveco Group's first carbon-neutral plant, which was inaugurated on October 18<sup>th</sup> in Turin (Italy) – which is fully

dedicated to the production of **electric axles** for both light and heavy commercial vehicles, and **electric central drives**, and to the assembly of **battery packs**.

The new ePowertrain Plant represents the embodiment of a consolidated brand strategy which aims to **fully offset the environmental impact not only of its products but also of all its industrial activities**.

### **EXCLUSIVE FEATURES, SHARED STANDARDS OF EXCELLENCE**

FPT Industrial is faithful to its mission to meet all customer power generation requirements in all applications, conditions and situations. That's why it offers wide line-ups that are compliant with different emissions levels.

**FPT Industrial's Tier 4 Final engines feature cutting-edge ATS technology with no DPF**, providing a 95%+ NOx suppression capacity and best-in-class emissions efficiency.

**The Tier 4 Final/Stage V engines are designed to comply with the most demanding emissions regulations and to be extremely flexible for boundless applications.** They indeed exceed North American Tier 4 regulations and are easily switchable to European Stage V emission regulations. The new ATS packaging options have been created with the customer in mind to support reduced time to market with the application sign-off process.

The **FPT Industrial Tier 3 engines** on show offer dependable emergency and stationary power systems with low fuel consumption, low maintenance costs, and optimization of space thanks to their compact footprint.

### **PATENTED TECHNOLOGIES FOR ULTIMATE EFFICIENCY**

**FPT Industrial's patented, DPF-free HI-eSCR technology for Tier 4 Final compliance** meets the requirements of the most challenging applications, maximizes uptime, and greatly reduces operating costs. The aftertreatment components for Tier4 Final/Stage V (HI-eSCR2, which is the evolution of the HI-eSCR, compliant with more stringent emission limits) are packaged in a compact and fully enclosed structure, offering flexible layout options, and simplifying installation.

**The patented electronically controlled exhaust flap maximizes performance at low temperatures and low loads.** Improved exhaust gas temperature control speeds up SCR light-off in the cold part of the emission cycle via an electronically controlled exhaust flap. This technology has proven to be very effective in the rental world where low load and low temperature are common conditions.

### **SUSTAINABILITY THROUGHOUT THE RANGE**

**All of FPT Industrial's Tier 4 Final and Stage V engines are fully compatible with diesel and paraffinic/renewable fuels, such as HVOs.** In combination with FPT's patented ATS

technology, customers get the perfect low-emission, sustainable solution, reducing CO<sub>2</sub> impact by up to 90%.

#### **F34 TIER 4 FINAL 40 kWe PRP - HIGH PERFORMANCE IN A COMPACT PACKAGE**

The F5 Series stands out for its **low operating costs** and extremely **simple maintenance in a compact layout**. This complete solution with pre-installed ATS allows for layout optimization while the flexible configurations can meet any customer needs. The **DPF-free ATS** and best-in-class 600-hour service interval minimize downtime and operating costs. Available options include electronic speed governor, hot part guards, water jacket heater, alarm senders, oil drain systems, and front radiator guard. Further **customization** is possible upon request.



#### **F34 Tier 4 Final technical specifications**

Engine Displacement (l): 3.4  
Cylinder Arrangement: in-line 4  
Maximum Prime Power (kWe @ Hz): 41 @ 60 Hz  
Stand-by Power up to 46 kWe @ 60 Hz  
Service Interval (hours): 600  
Emissions Standard: Tier 4 Final

#### **F34 TIER 4 FINAL 75 kWe PRP WITH ATS / 3.4 l DISPLACEMENT - HIGH PERFORMANCE AND LOW OPERATING COSTS**

Available with a wide range of off-the-shelf options, the F34 Tier 4 Final 75 kWe features excellent load acceptance in a compact layout. Tier 4 Final compliance is attained via the exclusive patented HI-eSCR technology, without DPF, thus minimizing operating costs and downtime.

In addition, a best-in-class **600-hour** oil change interval maximizes engine uptime, while **single-side servicing** allows for easy maintenance.

#### **F34 Tier 4 Final with ATS technical specifications**

Engine Displacement (l): 3.4

Cylinder Arrangement: in-line 4

Maximum Prime Power (kWe @ Hz): 75 @ 60 Hz

Stand-by Power up to 83 kWe @ 60 Hz

Service Interval (hours): 600

Emissions Standard: Tier 4 Final

#### **F36 STAGE V/TIER 4 FINAL – HIGH POWER DENSITY FOR THE MOST DEMANDING MISSIONS**

The F36 stands out for its power density, with an increase of **25% over previous generations**, offering up to **100 kVA for the most demanding applications**. Add in **low operating costs** and exceptionally **easy maintenance**, and customers have the ideal unit for the most demanding missions.

Thanks to the lowest EGR rate in the market (<10%) and optimized cooling pack, the F36 offers high performance in a compact package, a ready-to-use system featuring pre-assembled G-Drive and ATS. One-side serviceability allows for fast and easy maintenance, while the possibility to switch between 1,500 and 1,800 rpm (50/60Hz) to meet all customer requirements helps optimize warehouse stock.



#### **F36 Stage V/Tier 4 Final technical specifications**

Engine Displacement (l): 3.6

Cylinder Arrangement: in-line 4

Maximum Prime Power (kWe @ rpm): 92 @ 1,800

Service Interval (hours): 600

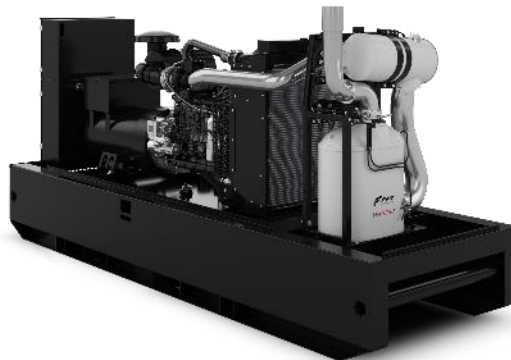
Emissions Standard: Tier 4 Final and Stage V

**N67 STAGE V/TIER 4 FINAL - SPECIFICALLY DESIGNED FOR HEAVY APPLICATIONS AND HARSH OPERATING CONDITIONS, BOTH LOW LOAD AND LOW TEMPERATURE**

Developed to meet the **most demanding customer requirements**, the N67 is the perfect proof of FPT Industrial's **technological excellence**.

The **maintenance-free ATS**, featuring HI-eSCR2 technology, maximizes uptime and reduces operating costs. The EGR-free combustion maximizes power, optimizes fuel efficiency, and enhances reliability thanks to its lean engine layout.

All these state-of-the-art technical solutions allow engine uptime to be maximized with extended service intervals. Customers will see a reduction in complexity with the possibility to switch from 1,500 to 1,800 rpm (50/60Hz) in order to meet all customer requirements.



**N67 Stage V/Tier 4 Final technical specifications**

Engine Displacement (l): 6.7

Cylinder Arrangement: in-line 6

Maximum Prime Power (kW @ rpm): 186 @ 1,800

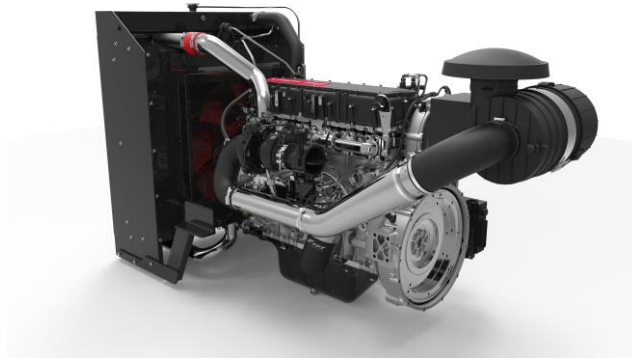
Service Interval (hours): 600

Emissions Standard: Tier 4 Final and Stage V

**CURSOR 9 STAGE V/TIER 4 FINAL - THE BEST SOLUTION FOR HIGHLY DEMANDING APPLICATIONS, BOTH FOR POWER GENERATION AND POWER UNITS**

Designed for **prime and stand-by applications**, the Cursor 9 offers **the highest power outputs, fast load response, and best-in-class total cost of ownership with high power density**. High efficiency, proven reliability, long maintenance intervals, and premium performance make this power unit the top-of-the-range engine for power generation. The **maintenance-free ATS** is delivered in a **prepackaged configuration**, allowing for Stage V/Tier 4 Final compliance, with low maintenance costs, maximum uptime, and installation flexibility.

This ready-to-use system, which comes with pre-installed cooling pack and air cleaner to facilitate the installation phase, offers the possibility to switch between 1,500 rpm and 1,800 rpm (50/60 Hz) in order to meet all customer requirements, thus optimizing warehouse stock.



#### **Cursor 9 Stage V/Tier 4 Final technical specifications**

Engine Displacement (l): 8.7

Cylinder Arrangement: in-line 6

Maximum Prime Power (kWe @ rpm): 276 @ 1,800

Service Interval (hours): 600

Emissions Standard: Stage V and Tier 4 Final

#### **ATS PACK - A SMART INSTALLATION SOLUTION DESIGNED WITH CUSTOMER NEEDS IN MIND**

Featuring a compact layout, and available for Stage V / Tier 4 Final, the ATS Pack is a pre-assembled, pre-wired and pre-validated solution for flexible, **fast, and easy installation and labor savings**. FPT Industrial's maintenance-free "For Life" technology guarantees maximum uptime.

#### **N45 TIER 3 - PROVEN ROBUSTNESS AND DURABILITY CONFIRMED BY THE 2 MILLION+ NEF ENGINES PRODUCED SINCE 2001**

Available with mechanical or electronically controlled injection system and featuring a maintenance free i-EGR system, the N45 Tier 3 engine offers **impressive power and load acceptance with top levels of reliability and efficiency, with best-in-class Total Cost of Ownership**. The N45 Tier 3 features a simple, reliable and easy to maintain mechanical injection system with a 600-hour service interval.

Optimized installation footprint and reduced logistical costs complete the all-round efficiency of this solid and straightforward power generation solution.



#### **N45 Tier 3 technical specifications**

Engine Displacement (l): 4.5

Cylinder Arrangement: in-line 6

Prime Power up to 102 kWe @ 60 Hz

Standby Power up to 112 kWe @ 60 Hz

Service Interval (hours): 600

Emissions Standard: Tier 3

#### **ADVANCED SERVICES, THE SMART WAY**

Through a worldwide dealer network and implementation of the latest technologies, FPT Industrial provides its customers with all-round professional assistance to maximize uptime, minimize TCO, and prevent any potential issues. Over last few years, the Brand has built up a complete distribution network across the US and Canada, fully engaging with and training partners who are ready to assist with all customer needs.

FPT Industrial's aftermarket solutions offers 24/7 customer support, the MyFPT app, and an extended warranty, which solidify the Brand's commitment to all-round customer service and



support. The **MyFPT app** gives customers information at their fingertips, along with quick, efficient, and tailored support. By inserting the plug-and-play FPT Industrial dongle in the machine's engine diagnostic port and connecting the MyFPT app via Bluetooth, it is possible to gather live engine data.

*“Extreme weather events and recurring power disruptions all over the world have once again confirmed the vital importance of power and energy security,”* says **Braden Cammauf**, Vice President, FPT Industrial North America. *“With this in mind, we return to this important event with all our partners to showcase our efficient, sustainable, technologically advanced, and always reliable power generation solutions.”*

To learn more about our power generation solutions, visit us at **PowerGen 2023 booth #2404**, or find a dealer near you at [fptindustrial.com](http://fptindustrial.com).

*FPT Industrial is a brand of Iveco Group (IVG: MI), 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. Over 8,000 people across eleven production sites and eleven R&D centers work for FPT Industrial all around the world. Active in nearly 100 different countries, its global sales and its Customer Service department supports all Brand customers. The extensive product offering includes six engine ranges with power outputs from 42 hp to over 1,000 hp, transmissions with torque up to 500 Nm, and front and rear axles from 2.45 to 32 tonne GAW (Gross Axle Weight). FPT Industrial offers the most complete line-up of natural gas engines for industrial 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. For more information, visit [www.fptindustrial.com](http://www.fptindustrial.com).*

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