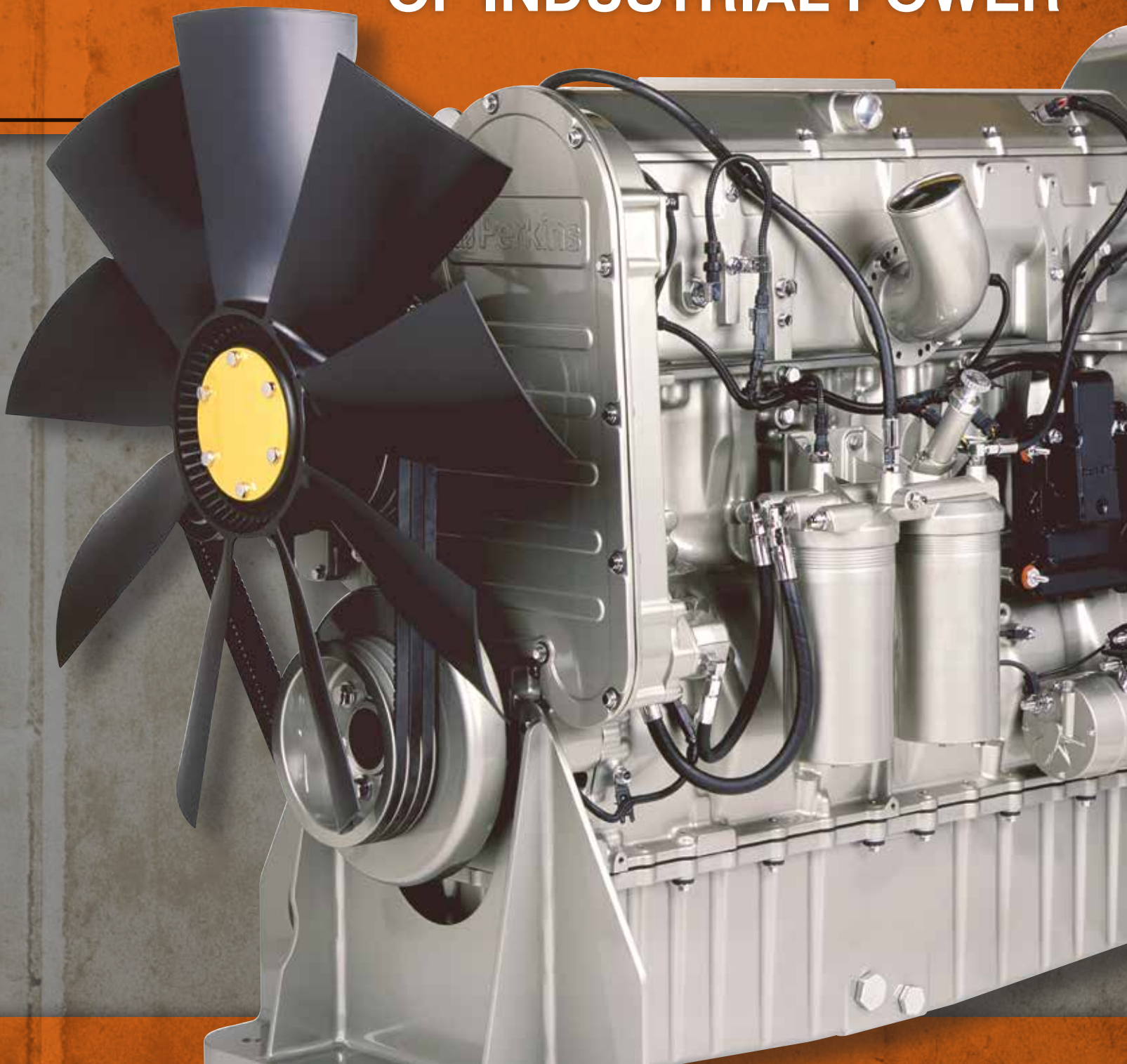


**GENERAC®**

**INDUSTRIAL  
POWER**

# THE HEART OF INDUSTRIAL POWER



# POWER GENERATION IS ALL WE DO.

And power is all you expect from a generator. The Generac commitment to vertical integration means that we source, design and build engines to overcome the challenges of applying off-the-shelf technology to generators. Because we control the supply chain, you get the best fit for your power, performance and durability requirements.

No matter what you need standby power for, whether to keep a hospital operating, a data center functioning or a factory producing, count on Generac Industrial Power to provide the right engine to meet your demands. Throughout our engine line, you'll find the reliability, consistency and flexibility to handle any power need.

## Is there a back-up plan for back-up power?

If a generator fails, often there is no Plan B. That's why every engine we design, develop and manufacture is the result of experience gained by decades of serving the back-up power needs of industrial customers around the world. Generac operates its own test and R&D facility. Before a design goes into production, it undergoes prototype testing to evaluate every aspect of performance. This ensures each engine and genset conforms to every major industry standard. Each of the engines used in a Generac generator meet the required EPA emissions standards. In addition to emissions, sound and endurance, a comprehensive set of highly specialized tests including torsional analysis, transient response, maximum motor starting and structural soundness is performed.

Why go to such great lengths before a generator ever leaves the factory? To ensure that customers get power when they need it.

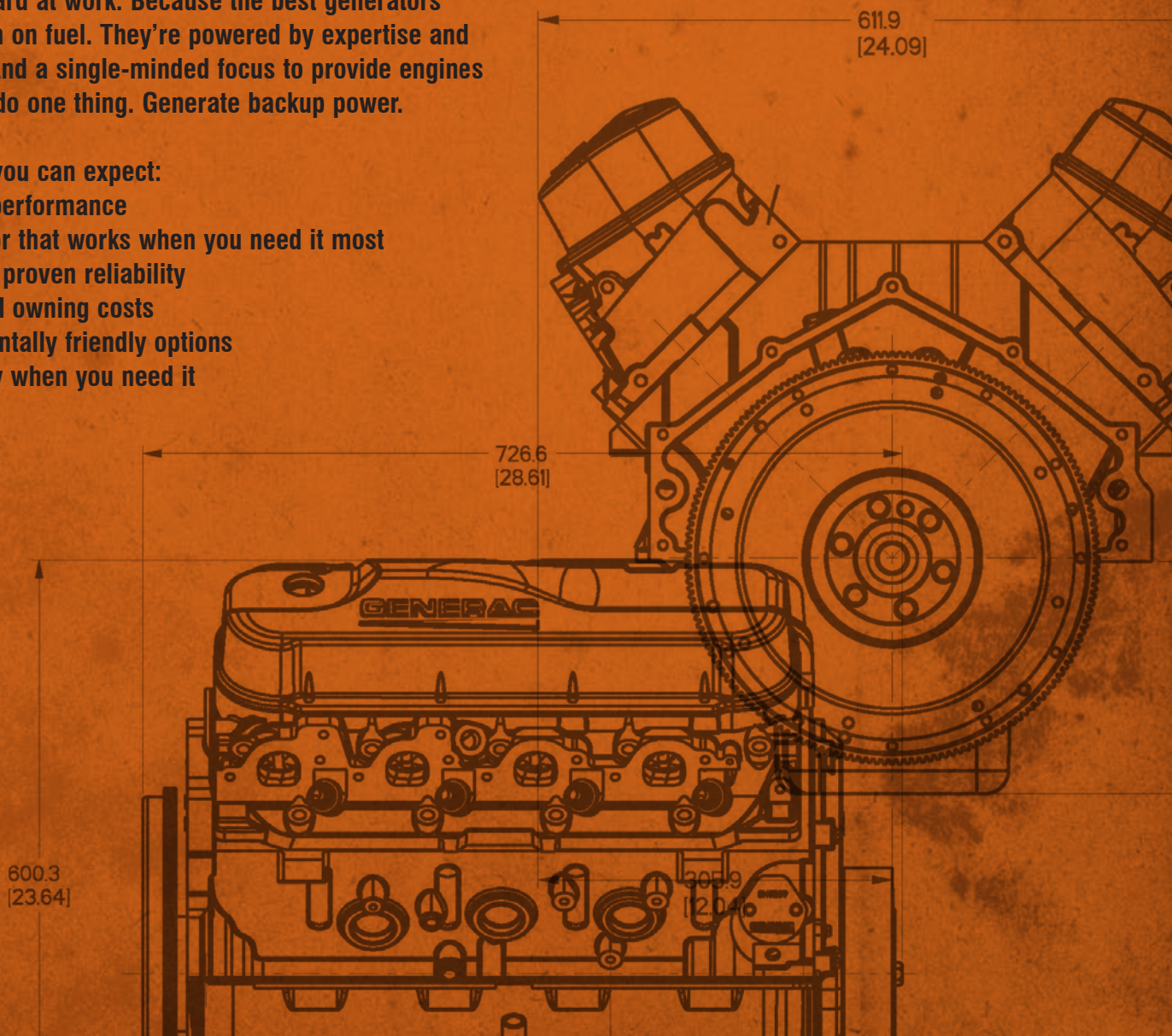


# POWERED BY INGENUITY.

Open up a Generac industrial generator. You'll see more than an assembly of engines, alternators, controls and formed metal. You'll see 50 years of ingenuity and innovation hard at work. Because the best generators don't just run on fuel. They're powered by expertise and innovation. And a single-minded focus to provide engines designed to do one thing. Generate backup power.

As a result, you can expect:

- Excellent performance
- A generator that works when you need it most
- Long-term proven reliability
- Lower total owning costs
- Environmentally friendly options
- Availability when you need it



## ■ Spark-ignited. Re-invented. Not re-purposed.

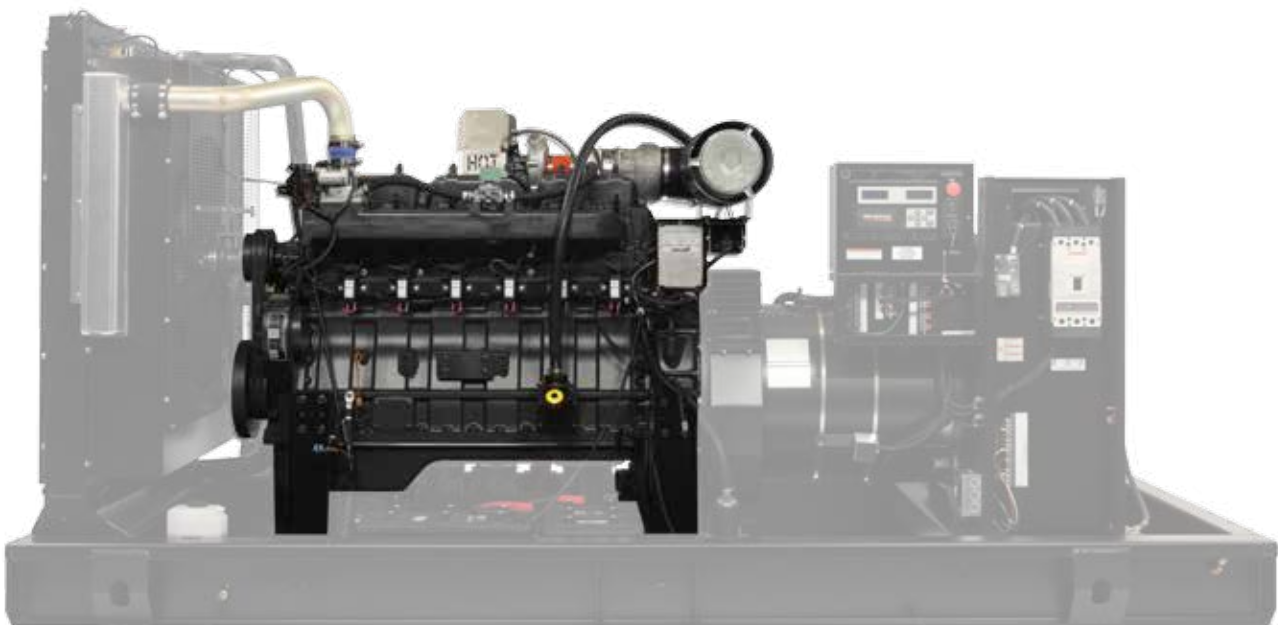


There's one place you'll find a Generac liquid-cooled spark ignited generator engine. In a Generac industrial generator. We engineer it, manufacture and install it in our factory. Applying natural gas and LP-fueled engines to generators takes advanced engineering expertise to ensure reliability, durability and necessary performance. By using materials designed for dryer, hotter burning fuel, the engines last longer and require less maintenance. Building our own engines also means we control every step of the supply chain and delivery process, so we can give you the best lead times in the industry. Plus, Generac Industrial Power dealers

provide all parts and service, without dealing with third-party suppliers. It all leads to a positive owner experience and higher confidence level.

The Generac brand of spark-ignited engines gives you more options in commercial and industrial standby applications, as well as a number of performance benefits, including:

- Extended run time from utility fed natural gas
- On-site fuel security options from straight LP or dual fuel (NG & LP)
- Lower total ownership costs (capital, fuel & maintenance) compared to diesels
- Environmentally friendly exhaust emissions
- High power density & optimized rpm options



*SG250 KW Generac 12.9L Gaseous Genset*

## ■ Partners in diesel power.

Even the engines not built from scratch in-house still have Generac stamped all over them. To provide the right solution and more options for heavy-duty back-up power, we identify and pre-qualify diesel engines proven in real-world applications under adverse conditions. Then we work hand-in-hand with best-in-class diesel engine manufacturers to optimize designs specifically to meet Generac industrial and commercial power requirements.

Diesel-powered generators are an efficient choice for high kW applications, as well as for facilities where code requirements call for on-site fuel storage, like hospitals and 911 call centers. For engines with electronic injection, the engine control module (ECM) is networked into the generator control system. This improves engine monitoring and reduces trouble shooting time. It also enhances paralleling performance allowing multiple generators to come online in less than 10 seconds. With the design optimized power platform of Generac diesel engines, you'll benefit from a proven record of performance and reliability.



These diesel engines are subjected to the same testing that all of our engines undergo, including:

#### **Durability**

Summer & winter durability tests  
Heat run tests with enclosures  
Vibration analysis  
Shaker table testing  
Coolant de-aeration test  
Prototype test

#### **Performance**

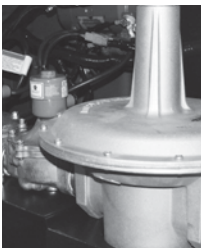
Block load test  
Steady state response test  
Fuel consumption test  
Exhaust backpressure test  
Emissions verification  
Extreme cold-start test  
Air-flow test

# In the end, it's what you require that drives our engines.

Any generator can provide back-up power. Unlike other companies in the business, Generac Industrial Power focuses on designing and developing power exclusively for power generation equipment. Taking an integrated approach to providing industrial power systems not only matches the right engine, alternator and controls with the application, it matches the right back-up power solution with your requirements, like getting the best performance per dollar invested, confidence that the generator will do its job when needed, the best possible total owning cost and a choice that's best for the enterprise and best for the environment.

**For more information on Generac Industrial Power, contact your Generac Industrial Power dealer, or go to [www.generac.com/industrial](http://www.generac.com/industrial) for detailed specs and white papers.**

## Gaseous? Diesel? Now get the best of both.



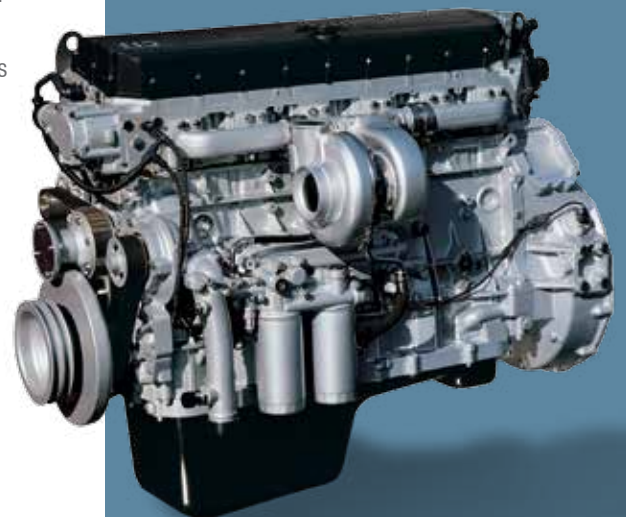
Generac Bi-Fuel™ generators start on diesel fuel and add natural gas as load is applied, until the unit runs primarily on natural gas. It's not a new concept, but unlike practically every other bi-fuel solution on the market, Generac's Bi-Fuel generators aren't after-market conversions in the field. They are fully integrated solutions. That means every fuel train component, every sensor, every actuator is specifically designed, engineered, and factory tested to work together.

Optimally. Efficiently. Backed by a full Generac factory warranty and product support. And EPA compliant from the factory—the only bi-fuel systems on the market that can make such a claim.

Generac Bi-Fuel generators mitigate refueling issues that could become a concern during a widespread power outage by operating primarily on utility-supplied natural gas. That means less diesel fuel is required on-site, what is on-site will be conserved, and running times will be greatly extended compared to diesel-only solutions. Should something happen to interrupt the natural gas supply, however, Generac Bi-Fuel generators can seamlessly run on 100% diesel fuel. They meet the on-site fuel requirements for emergency systems as referenced in NEC700 and NFPA 110.

They are more cost-effective standby power solutions over the long term, as well. Fuel costs are significantly reduced thanks to the cost-effective nature of natural gas compared to diesel. And installation, operational, and maintenance costs are also reduced because less diesel fuel is required on-site to achieve long running times.

Generac Bi-Fuel generators can be configured as part of a Modular Power System (MPS)—connected via integrated paralleling with other Generac generators. This makes the system scalable, meaning you can install the power you need now and add more modules as your business grows and power requirements increase. And with multiple generators on call and critical loads prioritized, reliability is improved even beyond the two fuel sources. Each unit can also be taken out of service for maintenance without sacrificing critical backup power.



**GENERAC**<sup>®</sup>  
  
**INDUSTRIAL  
POWER**

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