G4.5L Gaseous Industrial Generator

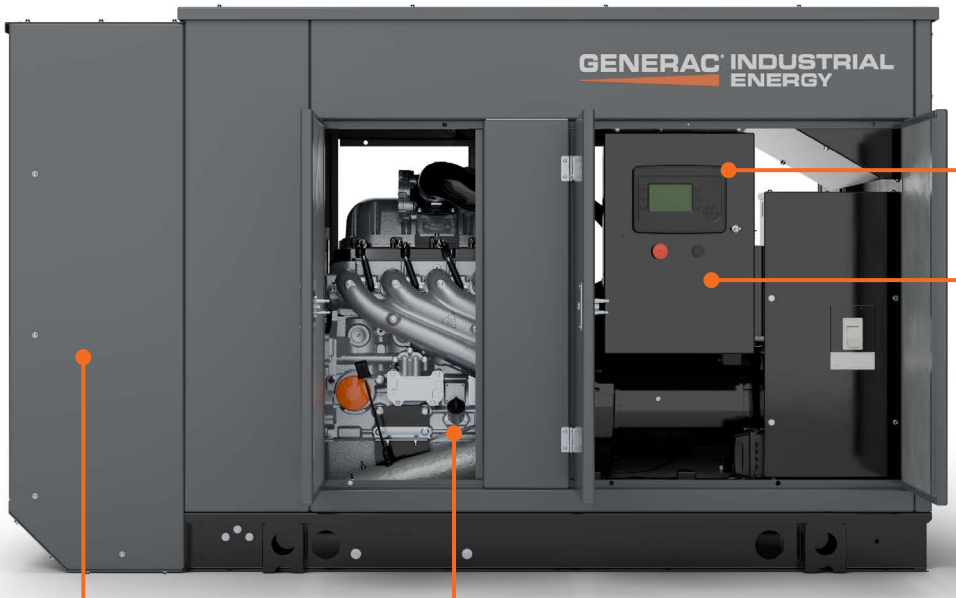
Workhorse Power. Compact Footprint.

The Generac G4.5L generator line anchors our industrial gas platform, engineered for environments where uptime is crucial and performance is paramount.

Available in two models – **Naturally Aspirated (NA)** and **Turbocharged (TA)** – the G4.5L sets the standard for resilient, high-output performance in every day and mission-critical applications. Now available with Generac Fuel System Conversion option where NG units can be changed to run on LPV and vice-versa via simplified DeepSea G8601 controller configuration file update. Stand-alone LPL option also available.

AVAILABLE POWER NODES:

Naturally Aspirated (NA)	Turbocharged (TA)
35 kW, 40 kW, 45 kW, 50 kW	50 kW, 60 kW, 70 kW, 80 kW



Deep Sea G8601 Controller
Proven industrial control performance with an intuitive interface and high configurability.

Fuel System Conversion Capable
Fuel System Conversion available via controller configuration (completed by IDSR).

UL2200 3rd Edition Certified
Meets the latest safety standards with third-edition compliance for trusted deployment.

Built-Tough Enclosures
Available in Weather-Protected, Level 1, Level 2, and Open Frame options. New HVHZ option also available.

Simplified Service
One-side access for ease of service and maintenance.

Built Tough for Industrial Duty

Engineered for Strength

- Forged crankshaft and connecting rods deliver exceptional strength and reliability under load.
- Chrome-coated rings and high-performance cast aluminum pistons reduce wear and extend engine life.
- Four-bolt main caps (vs. two-bolt on competitors) increase rigidity and durability for continuous use.

Optimized for Resilience

- Closed-loop fuel and ignition control adjust in real time for stability across varying loads.
- High-temp alloy valve seats enhance heat transfer and reduce wear – ideal for dry fuel applications.
- Gear-driven camshaft ensures consistent performance with no belt wear or replacement.
- Camshaft profile optimized for 1800 rpm generator operation.

Engineered for Real-World Demands

Service Made Simple

- All major service points – oil, air filter, battery, breaker, and control panel – accessible from one side.
- Automatic belt tensioner and large oil sump reduce maintenance and extend service intervals.

Generac Fuel System Conversion (Controller Based)

- Deep Sea Controller configuration file update allows NG fuel system to be converted into LPV and vice-versa, without hardware changes - reducing SKUs and simplifying inventory, while enabling flexible installation options in the field.
- Broad inlet pressure range: NG: 5–14" WC | LPV: 7–14" WC

UL2200 3rd Edition Compliant (Ready for 2026 and Beyond)

- Meets upcoming U.S. and Canadian standards for stationary generators, including enhanced safety systems and validated software functionality.

Intelligent Control Comes Standard

DSE G8601 Controller

- 12 digital inputs / 9 digital outputs
- High resolution 240x128 display with touchscreen and PC support
- Supports load management, remote control, and multi-language interfaces
- Integrated controller case heater supports up to -40°C operation
- Industry-standard protections: over/under speed, voltage, frequency, coolant temp and more.

Enclosure Options for Every Environment

- G4.5L TA: Open Frame, Weather-Protected, Level 2 Attenuated (L2A) enclosure configurations
- G4.5L NA: Open Frame, Weather-Protected, Level 1 Attenuated (L1A) and L2A sound enclosure
- Muffler Options (NA models only): Standard aluminized steel or stainless steel for extended life in corrosive environments
- Florida Department of Business and Professional Regulation (dbpr) approved enclosure for High Velocity Hurricane Zone (HVHZ)

Rugged. Reliable. Ready.

- At the core of the G4.5L line is uncompromising durability – built for the heavy-duty demands of industrial applications. Be it protecting critical facilities, supporting essential infrastructure or expanding your gas fleet, the G4.5L delivers the trust and toughness that define Generac.

GENERAC®

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For more information, visit Generac.com.