

**V-TWIN • SINGLE CYLINDER**

# ENGINES

**GENERAC®**  
POWER SYSTEMS, INC.





# INDUSTRIAL OHVI® ENGINES

## OUTPERFORM THE COMPETITION

with Generac's Complete Line of OHVI® Industrial Engines

### MORE POWER

Displacement equals power and Generac has some of the highest displacement air-cooled engines in the industry. That means these high quality engines make your outdoor power equipment even more productive.

### SMOOTH, QUIET OPERATION

Generac's focus on every detail has resulted in engines that run smoother and quieter. From cam ground pistons to low mass forged connecting rods, no source of noise or vibration has escaped our attention.

### LONG LIFE

Every Generac OHVI engine has full pressure lubrication, providing over 30 psi of oil pressure to every bearing surface. This extends the engine's life to an unprecedented 3,000 hours.

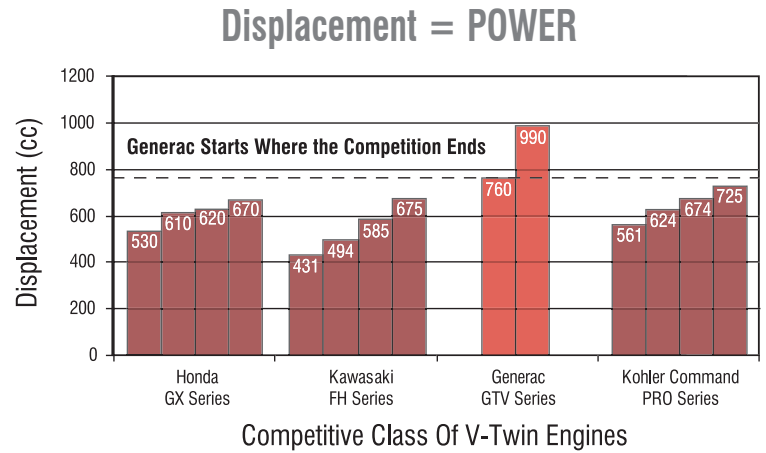
INDUSTRIAL  
OHVI GENERAC 33HP

PULL WINTER  
-below 40°F ❄️  
PUSH SUMMER  
-above 40°F ☀️

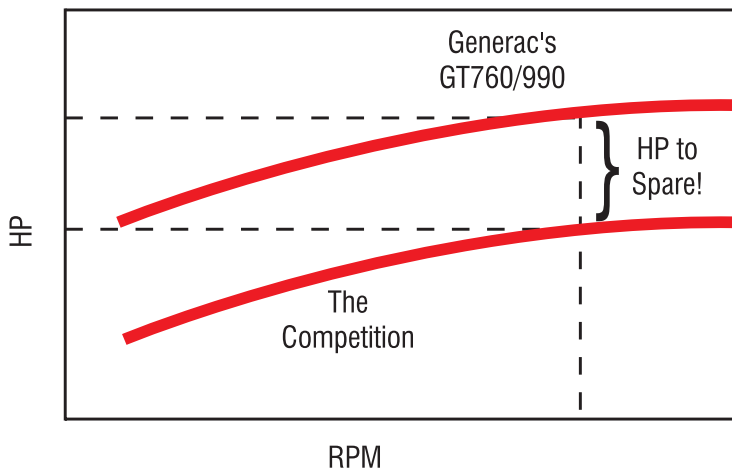
# GENERAC's GT760/990 Series V-TWIN ENGINES

## MAXIMUM POWER

The most reliable indicator of any engine's power, short of placing the engine on a dynamometer, is displacement. Generac's air-cooled V-Twin engines have some of the highest displacement in the industry. In fact, the GT-990 has a displacement that is 36.5% greater than the closest engine in its competitive class of V-Twin engines.



## Power When You Need It



## QUICK RESPONSE

Forty-five years of designing and building generators has taught Generac the importance of optimizing engine response characteristics. We've applied this expertise to the design of our X-Torq governor systems, which give our OHVI engines outstanding response to changing load characteristics.



The X-Torq governor system quickly utilizes the extra power of the GT760/990 to maintain engine RPM. So whether you are mowing tall wet grass, traveling up a steep hill, or handling a demanding commercial application, Generac's OHVI engines have the power and the response to make your outdoor power equipment **UNSTOPPABLE!**



GTV990

## READY TO FIT TODAY'S APPLICATIONS

Generac's GT760/990 series of V-Twin engines is designed to easily fit today's applications. That means outdoor power equipment manufacturers can quickly take advantage of Generac's superior performance to offer their customers the most reliable and productive outdoor power equipment.



GTH760

# GENERAC's GT530 Series



GT530

Generac designed the 530 cc V-Twin engine with the same robust features as its larger V-Twin models. The result is a compact powerhouse capable of taking on the most demanding commercial applications. The GT530 brings all the benefits of an industrial V-Twin engine to the 16 to 18 HP outdoor power equipment market currently dominated by large single cylinder engines above 500 cc. With its 90° V-Twin design, the GT530 provides minimum vibration and lower noise while maintaining superior response characteristics.

## The GT530 V-Twin Advantage

### Feature

Vibration Cancelling 90° V-Twin Layout with Low Mass Piston and Forged Connecting Rods

Half the cc Displacement per Power Stroke of a Single Cylinder Engine

Two Power Strokes per Cycle Providing a More Constant Torque

### Benefit

Reduced Vibration  
Reduced Mechanical Noise

Reduced Vibration and Noise

Improved Engine Response



GTV530

# GENERAC's GS220/410 Series



GSV220



GSH410

When performance, durability and long life are essential, Generac's single cylinder OHVI engines are the answer. Only Generac builds full pressure lubrication into every OHVI single cylinder engine it builds. Generac's GS220/410 engines are long lasting, industrial engines that meet the demands associated with extended hours and heavy loads.

|                 | Generac's GS220/410 OHVI Engines | Typical Single Cylinder Engines (5 - 13 HP) |
|-----------------|----------------------------------|---------------------------------------------|
| Oil Lubrication | Full Pressure                    | Splash                                      |
| Oil Filter      | Spin-On Flow Through             | None                                        |
| Air Cleaner     | 3 - Stage                        | Dual Element                                |

# Standard Industrial Features Built Into Every Generac OHVI Engine

| Displacement                             | 992 cc   | 760 cc   | 530 cc   | 410 cc   | 220 cc   |
|------------------------------------------|----------|----------|----------|----------|----------|
| Cylinders                                | V-Twin   | V-Twin   | V-Twin   | Single   | Single   |
| Horizontal Model                         | GTH990   | GTH760   | GTH530   | GSH410   | GSH220   |
| Vertical Model                           | GTV990   | GTV760   | GTV530   | GSV410   | GSV220   |
| <b>Durable, Long-Life</b>                |          |          |          |          |          |
| Full Pressure Lubrication                | ✓        | ✓        | ✓        | ✓        | ✓        |
| Automotive Grade Spin-On Oil Filter      | ✓        | ✓        | ✓        | ✓        | ✓        |
| Pressure Sensing Low Oil Shutdown        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Oil Temperature Sensor Shutdown          | Optional | Optional | Optional | Optional | Optional |
| Three Ring Piston Design                 | ✓        | ✓        | ✓        | ✓        | ✓        |
| Chrome Compression Ring                  | ✓        | ✓        | ✓        | ✓        | ✓        |
| Hardened Crankshaft and Camshaft         | ✓        | ✓        | ✓        | ✓        | ✓        |
| Hardened Valves and Seats                | ✓        | ✓        | ✓        | ✓        | ✓        |
| Heavy Duty Canister Air Cleaner          | Optional | Optional | Optional | N/A      | N/A      |
| Spiny Lock Cast Iron Cylinders           | ✓        | ✓        | ✓        | ✓        | ✓        |
| <b>Superior Engine Cooling</b>           |          |          |          |          |          |
| Optimal Weight to Displacement Ratio     | ✓        | ✓        | ✓        | ✓        | ✓        |
| Extra Deep Cooling Fins                  | ✓        | ✓        | ✓        | ✓        | ✓        |
| High Volume Oil Cooler                   | ✓        | ✓        | Optional | N/A      | N/A      |
| <b>Easy Starting</b>                     |          |          |          |          |          |
| Electronic Ignition                      | ✓        | ✓        | ✓        | ✓        | ✓        |
| Solenoid Shift Electronic Starter        | ✓        | ✓        | Optional | Optional | Optional |
| Automatic Timing Adjustment              | N/A      | N/A      | ✓        | ✓        | ✓        |
| Compression Release                      | N/A      | N/A      | ✓        | ✓        | ✓        |
| <b>Quiet Running</b>                     |          |          |          |          |          |
| Oversized Muffler                        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Heavy Duty Canister Style Muffler        | Optional | Optional | N/A      | N/A      | N/A      |
| Helical Cut Gears                        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Cam Ground Piston with Offset Piston Pin | ✓        | ✓        | ✓        | ✓        | ✓        |

## Generac's Full Line of Industrial OHVI Engines



760/990 cc



530 cc



410 cc



220 cc

# GENERAC'S ENGINE HISTORY

- 1959** Generac is founded and starts building portable generators.
- 1961** Generac starts a 40-year relationship with Sears as the sole supplier of Craftsman® generators.
- 1970's** Generac enters the Recreational Vehicle (RV) generator market and develops an air-cooled single cylinder engine with full pressure lubrication.
- 1980's** To remain competitive in the RV market, Generac starts development of a twin cylinder OHVI® (overhead valve industrial) engine, which eventually becomes the Vanguard® V-Twin engine.
- 1991** Generac starts production of the GN191 (191cc) OHVI engine. The engine is used exclusively on Generac's portable generators, pressure washers and Craftsman® generators.
- 1992 - 1994** Generac expands the single cylinder line of engines to include the GN220 and GN410.
- 1994** Home Depot adds Generac's GN engine powered products to its line of portable generators and pressure washers.
- 1998** In response to an increasing demand for its premium engine powered products, Generac moves engine manufacturing to its new 135,000 square foot facility in Whitewater, WI.
- Generac sells its consumer division based in Jefferson, WI. That new company is called Generac Portable Products LLC (and is later purchased by Briggs and Stratton). Generac renames itself Generac Power Systems, Inc. and retains ownership of the GN family of engines.
- 2001** Generac starts producing the GT990 engine (992cc), the highest displacement air-cooled engine available. By utilizing the GT990 engine, Generac's automatic home standby generators are the highest rated kW generators powered by an air-cooled engine. Generac's performance advantage allows it to capture over 75% of the automatic home standby generator market.
- 2002** Generac starts production of the GT760 V-Twin engine. Generac starts shipping engines to its first OEM customers.
- 2004** Generac expands its Whitewater, WI manufacturing plant to over 300,000 sq. ft. to accommodate increasing demand for its line of premium OHVI engines and the product offerings powered by them.
- The Discovery Channel's popular TV show "American Chopper," hosted by Orange County Chopper, runs a series of episodes around its latest creation, the "Dixie Chopper" motorcycle. The engine powering the chopper, Generac's GTH990 model, gets rave reviews from the stars of the show.



**WAUKESHA, WISCONSIN**



**EAGLE, WISCONSIN**



**WHITWATER, WISCONSIN**



**MAQUOKETA, IOWA**

## SERVICE SUPPORT NETWORK

Factory trained service technicians are available coast to coast and supported through an OEM committed central distribution network.

Service dealers provide product insight into repair, operation and scheduled maintenance to maintain the performance of Generac engines throughout the life of the product.

Generac works closely with OEM's to complement the service they provide to ensure high quality technical and parts support.

## GENERAC® POWER SYSTEMS, INC.

Generac Power Systems, Inc. 888-GENERAC  
Highway 59 & Hillside Road Phone: (262) 544-4811  
P.O. BOX 8 Fax: (262) 544-0770  
Waukesha, WI • 53187 www.generac.com