Generac ensures superior quality by designing and manufacturing most of its generator components, such as alternators, enclosures, control systems and communications software. Generac also makes its own spark-ignited engines, and you’ll find them on every Generac gaseous-fueled generator. We engineer and manufacture them from the block up — all at our facilities throughout Wisconsin. Applying natural gas and LP-fueled engines to generators requires advanced engineering expertise to ensure reliability, durability and necessary performance. By designing specifically for these dry, hotter-burning fuels, 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 you benefit from single-source responsibility.

Plus, Generac Industrial Power’s distribution network provides all parts and service so you don’t have to deal with third-party suppliers. It all leads to a positive owner experience and higher confidence level. Generac spark-ignited engines give you more options in commercial and industrial generator applications as well as extended run time from utility-supplied natural gas.

Standby Power Rating
150 kW, 188 kVA, 60 Hz

Codes and Standards
Not all codes and standards apply to all configurations. Contact factory for details.

UL2200, UL508, UL489
CSA C22.2
BS5514 and DIN 6271
SAE J1349
NFPA 37, 70, 99, 110
NEC700, 701, 702, 708
ISO 3046, 7637, 8528, 9001
NEMA ICS10, MG1, 250, ICS6, AB1
ANSI C62.41
## STD FEATURES

### ENGINE SYSTEM
- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer/Catalyst

### Fuel System
- NPT Fuel Connection on Frame
- Primary and Secondary Fuel Shutoff

### Cooling System
- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- 50/50 Ethylene Glycol Antifreeze
- Radiator Drain Extension

### Electrical System
- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

### ALTERNATOR SYSTEM
- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Permanent Magnet Excitation
- Sealed Bearings
- Amortisseur Winding
- Full Load Capacity Alternator

### GENERATOR SET
- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Units Only)

### ENCLOSURE (If Selected)
- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuation Enclosures)
- Gasketed Doors
- Stamped Air-Intake Louvers
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

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## DEMAND RESPONSE READY

### CONTROL SYSTEM

**Digital H Control Panel - Dual 4x20 Display**

**Program Functions**
- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/Sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)

**Auto/Off/Manual Switch**
- E-Stop (Red Mushroom-Type)
- NFPA 110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus® Protocol
- Predictive Maintenance Algorithm
- Sealed Boards
- Password Parameter Adjustment Protection
- Single Point Ground
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

**Full System Status Display**
- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents
- Oil Pressure
- Coolant Temperature
- Coolant Level

**Engine Speed**
- Battery Voltage
- Frequency

**Alarms and Warnings**
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Low Fuel Pressure
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)
ENGINE SYSTEM
- Engine Block Heater
- Oil Heater
- Air Filter Restriction Indicator
- Radiator Stone Guard (Open Set Only)
- Baseframe Cover/Rodent Guard
- Level 1 Fan and Belt Guards (Enclosed Units Only)
- Shipped Loose Critical Silencer (Open Set Only)

FUEL SYSTEM
- NPT Flexible Fuel Line

ENGINEERED OPTIONS
- Coolant Heater Ball Valves
- Fluid Containment Pan

ALTERNATOR SYSTEM
- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating

CIRCUIT BREAKER OPTIONS
- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contact
- Electronic Trip Breakers

GENERATOR SET
- Demand Response Rating
- Extended Factory Testing (3-Phase Only)
- IBC Seismic Certification
- 8 Position Load Center

ENCLOSURE
- Weather Protected Enclosure
- Level 1 Sound Attenuated
- Level 2 Sound Attenuated
- Level 2 Sound Attenuated with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- AC/DC Enclosure Lighting Kit
- Enclosure Heater
- Pad Vibration Isolation
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- Door Open Alarm Switch

CONTROL SYSTEM
- NFPA 110 Compliant Level 1 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Indication and Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 10A Engine Run Relay
- Ground Fault Annunciator
- 100 dB Alarm Horn
- 120V GFCI and 240V Outlets
- Damper Alarm Contacts (Motorized Dampers Only)
- Auxiliary Circuit Breaker Contacts to Controller

WARRANTY (Standby Gensets Only)
- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty
ENGINE SPECIFICATIONS

General
Make: Generac
Cylinder #: 8
Type: V
Displacement - in³ (L): 543 (8.9)
Bore - in (mm): 4.49 (114.3)
Stroke - in (mm): 4.25 (108)
Compression Ratio:
  G18 - 10.5:1
  G26 - 9.1:1 *
Intake Air Method: Turbocharged/Aftercooled
Number of Main Bearings: 5
Connecting Rods: Forged Steel
Cylinder Head: Cast Iron
Cylinder Liners: No
Ignition: High Energy
Piston Type: Aluminum Alloy
Crankshaft Type: Forged Steel
Lifter Type: Hydraulic Roller
Intake Valve Material: Steel Alloy
Exhaust Valve Material: Stainless Steel
Hardened Valve Seats: Yes

Engine Governing
Governor: Electronic
Frequency Regulation (Steady State): ±0.25%

Lubrication System
Oil Pump Type: Gear Driven
Oil Filter Type: Full-Flow Spin-On Cartridge
Crankcase Capacity - qt (L):
  G18 - 8.5 (8.0)
  G26 - 9.5 (10.0) *

Cooling System
Cooling System Type: Pressurized Closed
Fan Type: Pusher
Fan Speed - RPM:
  G18 - 2,330
  G26 - 2,386 *
Fan Diameter - in (mm):
  G18 - 22 (559)
Fuel System
Fuel Type: Natural Gas, Propane Vapor/Liquid
Carburetor: Down Draft
Secondary Fuel Regulator: Standard
Fuel Shut Off Solenoid: Standard
Operating Fuel Pressure - in H₂O (kPa):
  G18 - 7 - 11 (1.7 - 2.7)
  G26 - 7 - 11 (1.7 - 2.7)
Operating Fuel Pressure (LPL) - psi (kPa):
  G18 - 30 - 312 (206 - 2,151)
  G26 - 30 - 312 (206 - 2,151)

Engine Electrical System
System Voltage: 12 VDC
Battery Charger Alternator: Standard
Battery Size: See Battery Index 0161970SBY
Battery Voltage: 12 VDC
Ground Polarity: Negative

ALTERNATOR SPECIFICATIONS
Standard Model: K0150124Y26
Poles: 4
Field Type: Revolving
Insulation Class - Rotor: H
Insulation Class - Stator: H
Total Harmonic Distortion: <5%
Telephone Interference Factor (TIF): <50

Standard Excitation: Permanent Magnet
Bearings: Single Sealed Ball
Coupling: Direct Drive
Prototype Short Circuit Test: Yes
Voltage Regulator Type: Full Digital
Number of Sensed Phases: All
Regulation Accuracy (Steady State): ±0.25%
OPERATING DATA

POWER RATINGS

<table>
<thead>
<tr>
<th></th>
<th>G18, G26 - Natural Gas *</th>
<th>G18, G26 - Propane/Dual Fuel *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-Phase 120/240 VAC @1.0pf</td>
<td>144 kW Amps: 600</td>
<td>134 kW Amps: 558</td>
</tr>
<tr>
<td>Three-Phase 120/208 VAC @0.8pf</td>
<td>150 kW Amps: 521</td>
<td>140 kW Amps: 486</td>
</tr>
<tr>
<td>Three-Phase 120/240 VAC @0.8pf</td>
<td>150 kW Amps: 452</td>
<td>140 kW Amps: 422</td>
</tr>
<tr>
<td>Three-Phase 277/480 VAC @0.8pf</td>
<td>150 kW Amps: 226</td>
<td>140 kW Amps: 211</td>
</tr>
<tr>
<td>Three-Phase 346/600 VAC @0.8pf</td>
<td>150 kW Amps: 181</td>
<td>140 kW Amps: 169</td>
</tr>
</tbody>
</table>

DEMAND RESPONSE READY

MOTOR STARTING CAPABILITIES (skVA)

<table>
<thead>
<tr>
<th>skVA vs. Voltage Dip</th>
<th>277/480 VAC 30%</th>
<th>208/240 VAC 30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>K0150124Y26 327</td>
<td>K0150124Y26 250</td>
<td></td>
</tr>
<tr>
<td>K0200124Y21 478</td>
<td>K0200124Y21 361</td>
<td></td>
</tr>
</tbody>
</table>

FUEL CONSUMPTION RATES*

<table>
<thead>
<tr>
<th></th>
<th>Natural Gas – scfh (m³/hr)</th>
<th>Propane Vapor – scfh (m³/hr)</th>
<th>Propane Liquid – gph (Lph)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Load</td>
<td>Standby</td>
<td>Percent Load</td>
<td>Standby</td>
</tr>
<tr>
<td>25%</td>
<td>668 (18.9)</td>
<td>25%</td>
<td>280 (7.9)</td>
</tr>
<tr>
<td>50%</td>
<td>1,127 (31.9)</td>
<td>50%</td>
<td>430 (12.2)</td>
</tr>
<tr>
<td>75%</td>
<td>1,583 (44.8)</td>
<td>75%</td>
<td>573 (16.2)</td>
</tr>
<tr>
<td>100%</td>
<td>2,042 (57.8)</td>
<td>100%</td>
<td>720 (20.4)</td>
</tr>
</tbody>
</table>

COOLING

<table>
<thead>
<tr>
<th></th>
<th>Standby</th>
<th>Standby</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Flow (Fan Air Flow Across Radiator)</td>
<td>scfm (m³/min)</td>
<td>5,598 (158.5)</td>
</tr>
<tr>
<td>Coolant Flow</td>
<td>gpm (Lpm)</td>
<td>27.5 (104)</td>
</tr>
<tr>
<td>Coolant System Capacity</td>
<td>gal (L)</td>
<td>6.3 (24.0)</td>
</tr>
<tr>
<td>Maximum Operating Air Temperature on Radiator</td>
<td>°F (°C)</td>
<td>122 (50)</td>
</tr>
<tr>
<td>Maximum Operating Ambient Temperature (Before Derate)</td>
<td>See Bulletin 0199270SSD</td>
<td></td>
</tr>
<tr>
<td>Maximum Radiator Backpressure</td>
<td>in H₂O (kPa)</td>
<td>0.5 (0.12)</td>
</tr>
</tbody>
</table>

COMBUSTION AIR REQUIREMENTS

<table>
<thead>
<tr>
<th></th>
<th>Standby</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow at Rated Power scfm (m³/min)</td>
<td>343 (9.7)</td>
</tr>
</tbody>
</table>

ENGINE

<table>
<thead>
<tr>
<th></th>
<th>Standby</th>
<th>EXHAUST</th>
<th>Standby</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Engine Speed</td>
<td>RPM 1,800</td>
<td>Exhaust Flow (Rated Output)</td>
<td>scfm (m³/min)</td>
</tr>
<tr>
<td>Horsepower at Rated kW**</td>
<td>hp 229</td>
<td>Backpressure (Post Silencer)</td>
<td>inHg (kPa)</td>
</tr>
<tr>
<td>Piston Speed</td>
<td>ft/min (m/min) 1,275 (389)</td>
<td>Exhaust Temp (Rated Output - Post Silencer)</td>
<td>°F (°C)</td>
</tr>
<tr>
<td>BMEP</td>
<td>psi (kPa) 185 (1,277)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** Refer to “Emissions Data Sheet” for maximum bHP for EPA and SCAQMD permitting purposes.

Derate – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.
Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards.
Standby - See Bulletin 0187500SSB
Demand Response - See Bulletin 10000018250

* Fuel supply installation must accommodate fuel consumption rates at 100% load.
**DIMENSIONS AND WEIGHTS**

**OPEN SET (Includes Exhaust Flex)**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L x W x H</td>
<td>116.5 x 49.7 x 55.6</td>
</tr>
<tr>
<td>Weight</td>
<td>2,946</td>
</tr>
</tbody>
</table>

**WEATHER PROTECTED ENCLOSURE**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L x W x H</td>
<td>143.0 x 50.4 x 68.2</td>
</tr>
<tr>
<td>Weight Steel</td>
<td>3,843</td>
</tr>
<tr>
<td>Weight Aluminum</td>
<td>3,384</td>
</tr>
</tbody>
</table>

**LEVEL 1 ACOUSTIC ENCLOSURE**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L x W x H</td>
<td>168.5 x 50.4 x 68.2</td>
</tr>
<tr>
<td>Weight Steel</td>
<td>4,129</td>
</tr>
<tr>
<td>Weight Aluminum</td>
<td>3,508</td>
</tr>
</tbody>
</table>

**LEVEL 2 ACOUSTIC ENCLOSURE**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L x W x H</td>
<td>143.0 x 50.4 x 91.7</td>
</tr>
<tr>
<td>Weight Steel</td>
<td>4,321</td>
</tr>
<tr>
<td>Weight Aluminum</td>
<td>3,592</td>
</tr>
</tbody>
</table>

*All measurements are approximate and for estimation purposes only.*

**YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER**

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.