Standby Power Rating
25 kW, 31 kVA, 60 Hz

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

UL2200, UL6200, UL1236, UL489
CSA C22.2, B149
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
ASCE 7, ICC-ES AC-156

Powering Ahead
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.
**Standard Features**

**Engine System**
- Oil Drain Extension
- Heavy Duty Air Cleaner
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Units Only)

**Fuel System**
- Fuel Lockoff Solenoid
- Secondary Fuel Regulator
- Flexible Fuel Lines
- 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
- 120 VAC Coolant Heater

**Electrical System**
- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Bootied Engine Electrical Connections
- Solenoid Activated Starter Motor

**Alternator System**
- UL2200 GENprotect™
- Fault Protection
- 10A UL Listed Float/Equalize Battery Charger
- Main Line Circuit Breaker
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Sealed Bearings
- Full Load Capacity Alternator

**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

**Available Options**
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)
- Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- Password Parameter Adjustment Protection
- Predictive Maintenance Algorithm
- Sealed Boards
- 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

**Generator Set**
- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping (Enclosed Units Only)
- Standard Factory Testing
- 2 Year Limited Warranty
- 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 Attenuated Enclosure)
- Gasketed Doors
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Lockable Handles
- Rhino Coat™ - Textured Polyester Powder Coat Paint

**Alarms and Warnings**
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency
- 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)

**Enclosure**
- Sound Attenuated Enclosure
- Steel Enclosure
- Aluminum Enclosure
GENERAL

**Make**: Generac

**EPA Emissions Compliance**: Stationary Emergency

**EPA Emissions Engine Reference**: See Emissions Data Sheet

**Cylinder #**: 4

**Type**: In-Line

**Displacement - in\(^3\) (L)**: 146.4 (2.4)

**Bore - in (mm)**: 3.41 (86.61)

**Stroke - in (mm)**: 3.94 (100.08)

**Compression Ratio**: 9.5:1

**Intake Air Method**: Naturally Aspirated

**Number of Main Bearings**: 5

**Connecting Rods**: Forged Steel

**Cylinder Head**: Aluminum

**Cylinder Liners**: No

**Ignition**: High Energy

**Piston Type**: Aluminum Alloy

**Crankshaft Type**: Cast Steel

**Lifter Type**: Overhead Cam

**Intake Valve Material**: Steel Alloy

**Exhaust Valve Material**: Hardened Steel

**Hardened Valve Seats**: Yes

**Engine Governing**

**Governor**: Electronic

**Frequency Regulation (Steady State)**: ±0.25%

**Lubrication System**

**Oil Pump Type**: Gear

**Oil Filter Type**: Full Flow Spin-on Cartridge

**Crankcase Capacity - qt (L)**: 4.0 (3.8)

**Cooling System**

**Cooling System Type**: Pressurized Closed Recovery

**Fan Type**: Pusher

**Fan Speed - RPM**: 1,980

**Fan Diameter - in (mm)**: 18 (457)

**Fuel System**

**Fuel Type**: Natural Gas, Propane Vapor

**Carburetor**: Down Draft

**Secondary Fuel Regulator**: Standard

**Fuel Shut Off Solenoid**: Standard

**Operating Fuel Pressure - in H\(_2\)O (kPa)**: 5 - 14 (1.2 - 3.5)

**Fuel Shut Off Solenoid**: (Contact Factory for Details)

**Engine Electrical System**

**System Voltage**: 12 VDC

**Battery Charger Alternator**: Standard

**Battery Size**: See Battery Index 0161970SBY

**Battery Voltage**: 12 VDC

**Ground Polarity**: Negative

**Application and Engineering Data**

**Engine Specifications**

**Standard Model**: K0025124Y21

**Poles**: 4

**Field Type**: Revolving

**Insulation Class - Rotor**: F

**Insulation Class - Stator**: H

**Total Harmonic Distortion**: <5% (3-Phase Only)

**Telephone Interference Factor (TIF)**: <50

**Standard Excitation**: Direct

**Alternator Specifications**

**Bearings**: Sealed Ball

**Coupling**: Direct via Flexible Disc

**Load Capacity - Standby**: 100%

**Prototype Short Circuit Test**: Yes

**Voltage Regulator Type**: Full Digital

**Number of Sensed Phases**: All

**Regulation Accuracy (Steady State)**: ±0.25%
** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration – 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 10000018933
DIMENSIONS AND WEIGHTS*

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<th>OPEN SET</th>
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<td>L x W x H - in (mm)</td>
<td>77.0 (1,956) x 43.0 (864) x 34.0 (1,092)</td>
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<tr>
<td>Weight - lbs (kg)</td>
<td>1,163 (528)</td>
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<th>SOUND ATTENUATED ENCLOSURE</th>
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<tr>
<td>L x W x H - in (mm)</td>
<td>77.0 (1,956) x 46.0 (864) x 34.0 (1,168)</td>
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<td></td>
</tr>
<tr>
<td>Weight - lbs (kg)</td>
<td>1,414 (641)</td>
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* All measurements are approximate and for estimation purposes only.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.