Standby Power Rating
200 kW, 250 kVA, 60 Hz

Demand Response Rating
200 kW, 250 kVA, 60 Hz

Prime Power Rating
180 kW, 225 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

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.
MG200 | 14.2L | 200 kW
INDUSTRIAL SPARK-IGNITED GENERATOR SET
EPA Certified Stationary Emergency and Non-Emergency

STANDARD 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 (Open Set Only)
• Oil Temperature Indication and Alarm

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™
• Motorized Main Line Circuit Breaker
• Class H Insulation Material
• 2/3 Pitch
• Skewed Stator
• Permanent Magnet Excitation
• Sealed Bearing
• 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 and Demand Response Rated Units)
• 1 Year Limited Warranty (Prime 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 Attenuated Enclosures)
• Gasketed Doors
• Upward Facing Discharge Hood (Radiator and Exhaust)
• Stainless Steel Lift Off Door Hinges
• Stainless Steel Lockable Handles
• RhinoCoat™ - Textured Polyester Powder Coat Paint

CONTROL SYSTEM

Power Zone® Pro Sync Controller

Program Functions
• NFPA 110 Level 1 Compliant
• Engine Protective Functions
• Alternator Protective Functions
• Digital Engine Governor Control
• Digital Voltage Regulator
• Multiple Programmable Inputs and Outputs
• Remote Display Capability
• Remote Communication Via Modbus® RTU, Modbus TCP/IP, and Ethernet 10/100
• Alarm and Event Logging with Real Time Stamping
• Expandable Analog and Digital Inputs and Outputs

• Remote Wireless Software Update Capable
• Wi-Fi®, Bluetooth®, BMS and Remote Telemetry
• Built-In Programmable Logic Eliminates the Need for External Controllers Under Most Conditions
• Ethernet Based Communications Between Generators
• Programmable I/O Channel Properties
• Built-In Diagnostics

• Low Oil Pressure
• Low Coolant Level
• High/Low Coolant Temperature
• Sensor Failure
• Oil Temperature
• Over/Under Speed
• Over/Under Voltage
• Over/Under Frequency
• Over/Under Current
• Over Load
• High/Low Battery Voltage
• Battery Charger Current
• Phase to Phase and Phase to Neutral Short Circuits (I2T Algorithm)

7 Inch Color Touch Screen Display
• Resistive Color Touch Screen
• Sunlight Readable (1400 NITS)
• Easily Identifiable Icons
• Multi-Lingual
• On Screen Editable Parameters
• Key Function Monitoring
• Three Phase Voltage, Amperage, kW, kVA, and kVAr
• Selectable Line to Line or Line to Neutral Measurements
• Frequency
• Engine Speed
• Engine Coolant Temperature
• Engine Oil Pressure
• Engine Oil Temperature
• Battery Voltage
• Hourmeter
• Warning and Alarm Indication
• Diagnostics
• Maintenance Events/Information

PARALLELING CONTROL FEATURES

• Paralleling Control (Synchronizing)
• Reverse Power

• Loss of Synchronization Between Gensets
• Load and VAR Sharing
**MG200 | 14.2L | 200 kW**  
**INDUSTRIAL SPARK-IGNITED GENERATOR SET**  
EPA Certified Stationary Emergency and Non-Emergency

### CONFIGURABLE OPTIONS

#### ENGINE SYSTEM
- Engine Coolant Heater
- Baseframe Cover/Rodent Guard
- 2 Stage Air Cleaner
- Oil Heater
- Air Filter Restriction Indicator
- Radiator Stone Guard (Open Set Only)
- Level 1 Fan and Belt Guards (Enclosed Units Only)

#### FUEL SYSTEM
- NPT Flexible Fuel Line

#### ELECTRICAL SYSTEM
- 10A UL Listed Battery Charger
- Battery Warmer

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

#### CIRCUIT BREAKER OPTIONS
- Main Line Circuit Breaker
- Electronic Trip Breakers

#### GENERATOR SET
- Demand Response Rating
- Extended Factory Testing
- 12 Position Load Center
- Vapor Recovery Heater

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

#### ENGINEERED OPTIONS

#### ENGINE SYSTEM
- Fluid Containment Pan

#### ALTERNATOR SYSTEM
- 2nd Breaker System

#### CONTROL SYSTEM
- Battery Disconnect Switch

#### GENERATOR SET
- Special Testing
- Battery Box

### DEMAND RESPONSE READY

#### CONTROL SYSTEM
- NFPA 110 Level 1 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- 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
- 120V GFCI and 240V Outlets
- Damper Alarm Contacts (with Motorized Dampers Only)
- 100 dB Alarm Horn
- Permissive/Load Shed Module

#### 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

### ENGINEERED OPTIONS
## ENGINE SPECIFICATIONS

### General

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make</td>
<td>Generac</td>
</tr>
<tr>
<td>Cylinder #</td>
<td>6</td>
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<tr>
<td>Type</td>
<td>In-line</td>
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<tr>
<td>Displacement - in³ (L)</td>
<td>864.71</td>
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<tr>
<td>Bore - in (mm)</td>
<td>5.31</td>
</tr>
<tr>
<td>Stroke - in (mm)</td>
<td>6.50</td>
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<tr>
<td>Compression Ratio</td>
<td>9.5:1</td>
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<tr>
<td>Intake Air Method</td>
<td>Turbocharged/Aftercooled</td>
</tr>
<tr>
<td>Number of Main Bearings</td>
<td>7</td>
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<tr>
<td>Connecting Rods</td>
<td>Steel Alloy</td>
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<tr>
<td>Cylinder Head</td>
<td>Cast Iron</td>
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<tr>
<td>Cylinder Liners</td>
<td>Ductile Iron</td>
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<td>Ignition</td>
<td>Electronic</td>
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<tr>
<td>Piston Type</td>
<td>Aluminum</td>
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<td>Crankshaft Type</td>
<td>Ductile Iron</td>
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<td>Lifter Type</td>
<td>Solid</td>
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<td>Intake Valve Material</td>
<td>Special Heat-Resistant Steel</td>
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<td>Exhaust Valve Material</td>
<td>High Temp Steel Alloy</td>
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<tr>
<td>Hardened Valve Seats</td>
<td>High Temp Steel Alloy</td>
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### Engine Governing

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Governor</td>
<td>Electronic</td>
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<tr>
<td>Frequency Regulation (Steady State)</td>
<td>±0.25%</td>
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### Lubrication System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Oil Pump Type</td>
<td>Gear</td>
</tr>
<tr>
<td>Oil Filter Type</td>
<td>Full-Flow with Cartridge</td>
</tr>
<tr>
<td>Crankcase Capacity - qt (L)</td>
<td>36.2 (34.3)</td>
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</table>

### Cooling System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Cooling System Type</td>
<td>Pressurized Closed Recovery</td>
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<tr>
<td>Fan Type</td>
<td>Pusher</td>
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<tr>
<td>Fan Speed - RPM</td>
<td>1,894</td>
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<tr>
<td>Fan Diameter - in (mm)</td>
<td>30 (762)</td>
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</table>

### Fuel System

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<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Fuel Type</td>
<td>Natural Gas</td>
</tr>
<tr>
<td>Carburetor</td>
<td>Down Draft</td>
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<tr>
<td>Secondary Fuel Regulator</td>
<td>Standard</td>
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<tr>
<td>Fuel Shut Off Solenoid</td>
<td>Standard</td>
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<tr>
<td>Operating Fuel Pressure - in H₂O (kPa)</td>
<td>7 - 11 (1.7 - 2.7)</td>
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</table>

### Engine Electrical System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>System Voltage</td>
<td>24 VDC</td>
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<tr>
<td>Battery Charger Alternator</td>
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<tr>
<td>Battery Size</td>
<td>See Battery Index 0161970SBY</td>
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<td>Battery Voltage (2)</td>
<td>(2) - 12 VDC</td>
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<td>Ground Polarity</td>
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## ALTERNATOR SPECIFICATIONS

<table>
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<th>Specification</th>
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<tbody>
<tr>
<td>Standard Model</td>
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<td>Poles</td>
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<td>Field Type</td>
<td>Revolving</td>
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<td>Insulation Class - Rotor</td>
<td>H</td>
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<tr>
<td>Insulation Class - Stator</td>
<td>H</td>
</tr>
<tr>
<td>Total Harmonic Distortion</td>
<td>&lt;5%</td>
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<tr>
<td>Telephone Interference Factor (TIF)</td>
<td>&lt;50</td>
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</table>

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Excitation</td>
<td>Permanent Magnet</td>
</tr>
<tr>
<td>Bearings</td>
<td>Single Sealed Ball</td>
</tr>
<tr>
<td>Coupling</td>
<td>Direct via Flexible Disc</td>
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<tr>
<td>Prototype Short Circuit Test</td>
<td>Yes</td>
</tr>
<tr>
<td>Voltage Regulator Type</td>
<td>Full Digital</td>
</tr>
<tr>
<td>Number of Sensed Phases</td>
<td>All</td>
</tr>
<tr>
<td>Regulation Accuracy (Steady State)</td>
<td>±0.25%</td>
</tr>
</tbody>
</table>
**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 0187500SSB**
**Demand Response - See Bulletin 10000018250**
**Prime - See Bulletin 0187510SSB**
MG200 | 14.2L | 200 kW
INDUSTRIAL SPARK-IGNITED GENERATOR SET
EPA Certified Stationary Emergency and Non-Emergency

DIMENSIONS AND WEIGHTS*

OPEN SET (Includes Exhaust Flex)

| L x W x H - in (mm) | 128.0 (3,251) x 52.9 (1,344) x 62.3 (1,582) |
| Weight - lbs (kg) | 5,281 - 6,031 (2,395 - 2,735) |

WEATHER PROTECTED ENCLOSURE

| L x W x H - in (mm) | 154.4 (3,922) x 54.0 (1,372) x 69.8 (1,773) |
| Weight - lbs (kg) | Steel: 6,261 - 7,596 (2,839 - 3,445) |
| | Aluminum: 5,795 - 6,786 (2,628 - 3,078) |

LEVEL 1 SOUND ATTENUATED ENCLOSURE

| L x W x H - in (mm) | 179.9 (4,569) x 54.0 (1,372) x 69.8 (1,773) |
| Weight - lbs (kg) | Steel: 6,566 - 8,059 (2,978 - 3,655) |
| | Aluminum: 5,926 - 7,000 (2,688 - 3,175) |

LEVEL 2 SOUND ATTENUATED ENCLOSURE

| L x W x H - in (mm) | 154.4 (3,922) x 54.0 (1,372) x 93.3 (2,370) |
| Weight - lbs (kg) | Steel: 6,801 - 8,632 (3,084 - 3,915) |
| | Aluminum: 6,027 - 7,247 (2,733 - 3,287) |

* 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.