**Power Ratings**

<table>
<thead>
<tr>
<th>Model</th>
<th>Standby</th>
<th>Prime</th>
</tr>
</thead>
<tbody>
<tr>
<td>GGW200</td>
<td>200 kW/250 kVA</td>
<td>180 kW/225 kVA</td>
</tr>
</tbody>
</table>

**Codes and Standards**

PRAMAC products are designed to the following standards:

- 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

**ENERGY GENERATION**

PRAMAC ensures superior quality and performance by managing all aspects of production: from design to manufacturing.

PRAMAC can trace its roots back to 1966; from then onwards it has been expanding its activity in the energy and material-handling sector, continuously growing globally with a wide and flexible product range.

In the field of power generation, PRAMAC offers solutions for every kind of power supply demand: portable and industrial generators for stand by and prime power applications, and mobile and towable lighting for outdoor needs.

PRAMAC operates through a wide distribution network and provides global coverage even in the most demanding markets.
## 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
- 3-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)

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

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

### Battery System
- Engine Speed
- Battery Voltage
- Frequency

### Alarms and Warnings
- Oil Pressure
- Coolant Temperature
- Coolant Level
- Low Fuel Pressure Alarm
- 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)

### GENERATOR SET
- Internal Genset Vibration Isolation
- Separation of Circuits-High/Low Voltage
- Separation of Circuits-Multiple Breakers
- Wrapped Exhaust Piping (Enclosed Only)
- Standard Factory Testing
- 1 Year Limited Warranty or 1,000 Hours
- Silencer Mounted in the Discharge Hood (Enclosed Only)

### ENCLOSEMENT (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
## CONFIGURABLE OPTIONS

### ENGINE SYSTEM
- Engine Coolant Heater
- Air Filter Restriction Indicator
- Stone Guard (Open Set Only)
- Critical Exhaust Silencer (Open Set Only)

### ELECTRICAL SYSTEM
- 10A Battery Charger

### ALTERNATOR SYSTEM
- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

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

### CONTROL SYSTEM
- 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Indicator with 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)
- Remote Communication - Modern
- 10A Run Relay

*Contact factory for availability.

## ENGINEERED OPTIONS

### ENGINE SYSTEM
- Coolant Heater Ball Valves
- Fluid Containment Pan

### ALTERNATOR SYSTEM
- 3rd Breaker System

### CONTROL SYSTEM
- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

### GENERATOR SET
- GenLink Communications Software (English Only)
- Extended Factory Testing (3-Phase Only)
- Pad Vibration Isolators
- Weather Protected Enclosure
- Level 1 Sound Attenuation
- Level 2 Sound Attenuation
- Level 2 with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 321 KMH Wind Load Rating*
- AC/DC Enclosure Lighting Kit
- Door Open Alarm Switch
- Special Testing
- Battery Box

*Contact factory for availability.

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*Contact factory for availability.*
### ENGINE SPECIFICATIONS

**General**

- **Make**: Generac
- **Cylinder #**: 6
- **Type**: Inline
- **Displacement – in³ (L)**: 14.17 (1,865)
- **Bore – in (mm)**: 5.31 (135)
- **Stroke – in (mm)**: 6.50 (165)
- **Compression Ratio**: 9.5:1
- **Intake Air Method**: Turbocharged/Aftercooled
- **Number of Main Bearings**: 7
- **Connecting Rods**: Carbon Steel
- **Cylinder Head**: Cast Iron GT250, OHV
- **Cylinder Liners**: Ductile Iron
- **Ignition**: Electronic
- **Piston Type**: Aluminum
- **Crankshaft Type**: Ductile Iron
- **Lifter Type**: Solid
- **Intake Valve Material**: Special Heat-Resistant Steel
- ** Exhaust Valve Material**: High Temp Steel Alloy
- **Hardened Valve Seats**: High Temp Steel Alloy

**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)**: 36.2 (34.3)

### COOLING SYSTEM

- **Type**: Pressurized Closed Recovery
- **Fan Type**: Pusher
- **Fan Speed – rpm**: 1,894
- **Fan Diameter – in (mm)**: 30 (762)

### FUEL SYSTEM

- **Type**: Natural Gas
- **Carburetor**: Down Draft
- **Secondary Fuel Regulator**: Standard
- **Fuel Shut Off Solenoid**: Standard (Dual)
- **Operating Fuel Pressure – in H₂O (kPa)**: 7–11 (1.7–2.7)

### ENGINE ELECTRICAL SYSTEM

- **System Voltage**: 24 VDC
- **Battery Charger Alternator**: Standard
- **Battery Size**: See Battery Index 10000016949
- **Battery Voltage**: (2) - 12 VDC
- **Ground Polarity**: Negative

### ALTERNATOR SPECIFICATIONS

- **Standard Model**: Generac 520 mm
- **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**: Sealed Ball
- **Coupling**: Direct via Flexible Disc
- **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 – NATURAL GAS

<table>
<thead>
<tr>
<th>Standby</th>
<th>Prime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-Phase 120/240 VAC @1.0pf</td>
<td>200 kW/200 kVA Ampl: 833</td>
</tr>
<tr>
<td>Three-Phase 120/208 VAC @0.8pf</td>
<td>200 kW/250 kVA Ampl: 694</td>
</tr>
<tr>
<td>Three-Phase 120/240 VAC @0.8pf</td>
<td>200 kW/250 kVA Ampl: 601</td>
</tr>
<tr>
<td>Three-Phase 277/480 VAC @0.8pf</td>
<td>200 kW/250 kVA Ampl: 301</td>
</tr>
<tr>
<td>Three-Phase 346/600 VAC @0.8pf</td>
<td>200 kW/250 kVA Ampl: 241</td>
</tr>
</tbody>
</table>

### STARTING CAPABILITIES (sKVA)

<table>
<thead>
<tr>
<th>sKVA vs. Voltage Dip</th>
</tr>
</thead>
<tbody>
<tr>
<td>277/480 VAC</td>
</tr>
<tr>
<td>Alternator kW</td>
</tr>
<tr>
<td>Standard 200</td>
</tr>
<tr>
<td>Upsize 1 250</td>
</tr>
<tr>
<td>Upsize 2 300</td>
</tr>
</tbody>
</table>

### FUEL CONSUMPTION RATES*

<table>
<thead>
<tr>
<th>Natural Gas</th>
<th>Liquid Propane Vapor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Load</td>
<td>Standby</td>
</tr>
<tr>
<td>25%</td>
<td>900 (25.5)</td>
</tr>
<tr>
<td>50%</td>
<td>1,543 (43.7)</td>
</tr>
<tr>
<td>75%</td>
<td>2,083 (59.0)</td>
</tr>
<tr>
<td>100%</td>
<td>2,571 (72.8)</td>
</tr>
</tbody>
</table>

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

### COOLING

<table>
<thead>
<tr>
<th>Standby</th>
<th>Prime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Flow (Inlet Air Combustion And Radiator) ft³/min (m³/min)</td>
<td>9,432 (267)</td>
</tr>
<tr>
<td>Coolant Flow gal/min (L/min)</td>
<td>110 (416)</td>
</tr>
<tr>
<td>Coolant System Capacity gal (L)</td>
<td>10.5 (39.7)</td>
</tr>
<tr>
<td>Heat Rejection to Coolant BTU/hr (kW)</td>
<td>670,280 (196)</td>
</tr>
<tr>
<td>Maximum Operating Ambient Temperature °F (°C)</td>
<td>122 (50)</td>
</tr>
<tr>
<td>Maximum Radiator Backpressure in H₂O (kPa)</td>
<td>0.5 (0.12)</td>
</tr>
</tbody>
</table>

### COMBUSTION AIR REQUIREMENTS – NATURAL GAS

<table>
<thead>
<tr>
<th>Standby</th>
<th>Prime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow at Rated Power cfm (m³/min)</td>
<td>432 (12.2)</td>
</tr>
</tbody>
</table>

### ENGINE

<table>
<thead>
<tr>
<th>Standby - NG</th>
<th>Prime - NG</th>
<th>Standby - LPV</th>
<th>Prime - LPV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Engine Speed rpm</td>
<td>1,800</td>
<td>1,800</td>
<td>1,800</td>
</tr>
<tr>
<td>Horsepower at Rated kW hp</td>
<td>304</td>
<td>243</td>
<td>238</td>
</tr>
<tr>
<td>Piston Speed ft/min (m/min)</td>
<td>1,773 (540)</td>
<td>1,773 (540)</td>
<td>1,773 (540)</td>
</tr>
<tr>
<td>BMEP psi (kPa)</td>
<td>155 (1,069)</td>
<td>123 (848)</td>
<td>121 (843.3)</td>
</tr>
</tbody>
</table>

### EXHAUST

<table>
<thead>
<tr>
<th>Standby</th>
<th>Prime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhaust Flow (Rated Output) cfm (m³/min)</td>
<td>1,499 (42.4)</td>
</tr>
<tr>
<td>Max. Allowable Backpressure inHg (kPa)</td>
<td>0.75 (2.54)</td>
</tr>
<tr>
<td>Exhaust Temp (Rated Output - Post Silencer) °F (°C)</td>
<td>1,384 (751)</td>
</tr>
</tbody>
</table>

* Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.

Please consult a Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards.

Standby – See Bulletin 10000011339
Prime – See Bulletin 10000018926
DIMENSIONS AND WEIGHTS*

OPEN SET (Includes Exhaust Flex)

<table>
<thead>
<tr>
<th>L x W x H in (mm)</th>
<th>Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>128.0 (3,250) x 53.4 (1,357) x 62.3 (1,583)</td>
<td>5,442 (2,469)</td>
</tr>
</tbody>
</table>

STANDARD ENCLOSURE

<table>
<thead>
<tr>
<th>L x W x H in (mm)</th>
<th>Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>154.4 (3,909) x 54.0 (1,371) x 69.8 (1,772)</td>
<td>Steel: 6,422 (2,913)</td>
</tr>
<tr>
<td></td>
<td>Aluminum: 5,956 (2,702)</td>
</tr>
</tbody>
</table>

LEVEL 1 ACOUSTIC ENCLOSURE

<table>
<thead>
<tr>
<th>L x W x H in (mm)</th>
<th>Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>179.9 (4,569) x 54.0 (1,371) x 69.8 (1,772)</td>
<td>Steel: 6,726 (3,051)</td>
</tr>
<tr>
<td></td>
<td>Aluminum: 6,087 (2,761)</td>
</tr>
</tbody>
</table>

LEVEL 2 ACOUSTIC ENCLOSURE

<table>
<thead>
<tr>
<th>L x W x H in (mm)</th>
<th>Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>154.5 (3,923) x 54.0 (1,371) x 93.3 (2,370)</td>
<td>Steel: 6,962 (3,158)</td>
</tr>
<tr>
<td></td>
<td>Aluminum: 6,188 (2,807)</td>
</tr>
</tbody>
</table>

* Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a PRAMAC Industrial Dealer for detailed installation drawings.