**REQUIREMENTS CONFIRMATION**

The facility shall meet one or all the requirements below in accordance to the engines permitted in this general permit. Please be aware that if your engine is manufactured after 2009 or later, the engine shall be certified by EPA and a certificate of conformity shall be attached in this general permit registration.

- **If Your Engine Was Manufactured After 2009:**
  The engine is EPA certified, complies with the NSPS JJJJ emission standards and a certificate of conformity shall be submitted with this registration. **Otherwise, stop here and do not use this general permit.**

- **If Your Engine Was Constructed Or Reconstructed Before June 12, 2006:**
  The engine complies with the MACT ZZZZ emission standards. **Otherwise, stop here and do not use this general permit.**

- **If Your Engine Was Constructed On Or After June 12, 2006 And Before January 1, 2009:** The engine is subject to the State requirements only.
1) EPA Certificate of Conformity:

**United States Environmental Protection Agency**

**2013 Model Year**

**Certificate of Conformity**

**With the Clean Air Act of 1990**

---

### Manufacturer: Power Solutions, Inc.

### Engine Family: DPSIB8.80EMT

### Certificate Number: DPSIB8.80EMT-001

### Certification Type: Stationary (Part 60)

### Fuel: Natural Gas (CNG/LNG)

### LPG/Propane

### Emission Standards:

- CO (g/kW-hr): 4.4
- NMHC + NOx (g/kW-hr): 2.7
- HC + NOx (g/kW-hr): 2
- NOx (g/kW-hr): 2.7
- NOx (g/HP-hr): 2.7
- CO (g/HP-hr): 1
- CO (g/kW-hr): 4
- Emergency Use Only: Y

---

Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547) and 40 CFR Part 60, 1065, 1068, and 60 (stationary only and combined stationary and mobile) and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following nonroad engines, by engine family, more fully described in the documentation required by 40 CFR Part 60 and produced in the stated model year.

This certificate of conformity covers only those new nonroad spark-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 60 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 60. This certificate of conformity does not cover nonroad engines imported prior to the effective date of the certificate.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068.20 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 60. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void ab initio for other reasons specified in 40 CFR Part 60.

This certificate does not cover large nonroad engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.
2) Manufacturer’s Specifications:

Compliance Information:
The engine used in this generator set complies with U.S. EPA emission regulations under the provisions of 40 CFR Part 60, Stationary Emergency Spark-Ignited emissions limits when tested per ISO 8178 D2.

<table>
<thead>
<tr>
<th>Engine Manufacturer:</th>
<th>PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Certificate Number:</td>
<td>DPSIB8.80EMT-001</td>
</tr>
<tr>
<td>Effective Date:</td>
<td>11/20/2012</td>
</tr>
<tr>
<td>Date Issued:</td>
<td>11/20/2012</td>
</tr>
<tr>
<td>EPA Engine Family:</td>
<td>DPSIB8.80EMT</td>
</tr>
</tbody>
</table>

Engine Information:
- Model: PSI8.8
- Engine Nameplate HP: 243
- Type: 4 Cycle, VEE-6 Cylinder Spark-Ignited
- Aspiration: Turbo Charged
- Compression Ratio: 10:1
- Bore: 4.0 in. (101.6 mm)
- Stroke: 3.48 in. (88.4 mm)
- Displacement: 537 cu. in. (8.8 liters)
- Emission Control Device: Standard

U.S. Environmental Protection Agency Stationary Emergency SI Emission Limits

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>(All values are Grams per HP-Hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC + NOx (Total Unburned Hydrocarbons and Oxides of Nitrogen)</td>
<td>2.7</td>
</tr>
<tr>
<td>CO (Carbon Monoxide)</td>
<td>4.0</td>
</tr>
</tbody>
</table>

Engine operation with excessive air intake or exhaust restriction beyond published maximum limits, or with improper maintenance, may result in elevated emission levels.
## Gaseous Fuel Generator Set
### PSI 8.8L Engine Series

### Specification Sheet
#### Model GFPA EPA SI NSPS Certified

<table>
<thead>
<tr>
<th>KW(KVA) @ 0.8 P.F</th>
<th>60 Hz-1800 RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compression Ratio</td>
<td>10:1 (Note 1)</td>
</tr>
<tr>
<td>Dry Processed Natural Gas</td>
<td>Yes</td>
</tr>
<tr>
<td>Propane (HD-S)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### FW Application Guide

<table>
<thead>
<tr>
<th>Compression Ratio</th>
<th>10:1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Press.</td>
<td>Yes</td>
</tr>
<tr>
<td>High Press.</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Description

The Cummins NPower GF-series commercial generator set is a fully integrated power generation system providing optimum performance, reliability, and versatility for stationary standby power applications. A primary feature of the GF GenSet is strong motor-starting capability and fast recovery from transient load changes. The bundle matched system includes a heavy-duty PSI 4-cylinder spark-ignition engine, an AC alternator with high motor-starting kVA capacity, and an electronic voltage regulator with three-phase sensing for precise regulation under steady-state or transient loads. The GF GenSet exceeds 100% of the nameplate standby rating in one step. **Sets comply with 10 second ready to load per NFPA 110.**

The standard PowerCommand® digital electronic control is an integrative system that combines engine and alternator controls for high reliability and optimum GenSet performance.

Optional weather-protective housing and component heaters shield the generator set from extreme operating conditions. *Environmental concerns are addressed by low exhaust emission engines, sound-attenuated housings, and exhaust silencers. A wide range of options, accessories, and services are available, allowing configuration to your specific power generation needs.*

### Features

**PSI Heavy-Duty Engine** - Rugged 4-cylinder spark-ignition engine delivers reliable power, low emissions, and fast response to load changes.

**Alternator** - Several alternator sizes offer selectable motor-starting capability with low reactance 2/3 pitch windings, low waveform distortion with non-linear loads, fault-clearing short-circuit capability, and class H Insulation. The alternator electrical insulation system is UL1446 Recognized.

**Control Systems** - The PowerCommand electronic control is standard equipment and provides total genset system integration, including automatic remote starting/stopping, precise voltage regulation, alarm and status message display, output metering, and automatic shutdown at fault detection, and NFPA 110 compliance. PowerCommand control is Listed to UL508.

**Cooling System** - Standard cooling package provides reliable running at the rated power level, at up to 104°F ambient temperature.

**Housings** - Optional weather-protective housing and sound attenuation housing(s) are available.

**Standards** - Generators are designed, manufactured and tested to relevant UL, NFPA, ISO and IEC standards. The alternator is certified to CSA 22.2. The controls are CSA C282-M1999 and 22.2 No.14 M91. PowerCommand control is UL508 Listed.

**Warranty and Service** - Backed by a comprehensive warranty and worldwide distributor service network.

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**Generator Set**

The general specifications provide representative configuration details. Consult the outline drawing for installation design.

<table>
<thead>
<tr>
<th>Specifications - General</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Unit Width</strong></td>
</tr>
<tr>
<td><strong>Unit Height</strong></td>
</tr>
<tr>
<td><strong>Unit Length</strong></td>
</tr>
<tr>
<td><strong>Unit Dry Weight</strong></td>
</tr>
<tr>
<td><strong>Rated Speed</strong></td>
</tr>
<tr>
<td><strong>Voltage Regulation, No Load to Full Load</strong></td>
</tr>
<tr>
<td><strong>Random Voltage Variation</strong></td>
</tr>
<tr>
<td><strong>Frequency Regulation</strong></td>
</tr>
<tr>
<td><strong>Random Frequency Variation</strong></td>
</tr>
<tr>
<td><strong>Radio Frequency Interference</strong></td>
</tr>
</tbody>
</table>

See outline drawing for installation design specifications.

**Rating Definitions**

Standby Rating based on: Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capability is available for this rating. (Equivalent to Fuel Stop Power in accordance with ISO8046, AS2789, DIN2771 and BS5514). Nominally rated. Usage based on ISO 8528.

**Site Derating Factors**

Engine power available up to 366 m (1200 ft) at ambient temperatures up to 25°C (77°F). Above 366 m (1200 ft) derate at 2.5% per 305 m (1000 ft) and 1% per 5.5°C (10°F) above 25°C (77°F).

**Induction Losses**

- A derate of 4% must be applied for every 3.2 kPa (12 in of H2O) air inlet restriction over 6 inches H2O.
- A derate of 1% must be applied for every 1 in of Hg increase in exhaust restriction over 3 inches of Hg.

Gensets with Weather or Sound Enclosures may reduce ambient capability by 2 to 4.5°C (4 to 8°F) depending on enclosure type and site conditions.

1) Data represents gross engine performance capabilities obtained and corrected in accordance with SAEJ1049 conditions of 29.61 in. Hg (100 KPa) barometric pressure, 39°F (110m altitude), 77°F (25°C) inlet air temperature, and 0.39 in Hg (100 KPa) water vapor pressure using dry processed natural gas fuel with 905 BTU per standard cubic foot (93.72 kJ/L) lower heating value. Deration may be required due to altitude, temperature or type of fuel. Consult your local Cummins Distributor for details.

2) **FUEL SYSTEM**

- Standard Carburetor – Ectrolak E48
- Low Pressure Dry/Processed Natural Gas – (905 BTU/L H.V.)
- Running Pressure to Engine
- Maximum Gas Supply Pipe Size @ Engine (NG)
- Maximum Gas Supply Pipe Size @ Engine (Propane)
- LP Supply Connection

The preceding pipe sizes are only suggestions and piping may vary with temperatures, distance from fuel supply and application of local codes. Gas must be available at adequate volume and pressure for engine at the regulator.

Low pressure sensor only included on Dual Fuel train options.

The Genset (engine) performance is based on processed natural gas fuel with 905 BTU per standard cubic foot (93.72 kJ/L) lower heating value. Variations in fuel composition and/or supply pressure must be eliminated during steady state operation. Locate the gas regulator as near to the engine as possible. Some systems may need an accumulator or other device(s) for startup or unstable conditions, contact the Fuel Supply utility for details.
**Engine**

PSI heavy-duty spark ignited engines use advanced combustion technology for reliable and stable power, low emissions, and fast response to sudden load changes.

Electronic governing is standard for applications requiring constant (isochronous) frequency regulation such as Uninterruptible Power Supply (UPS) systems, non-linear loads, or sensitive electronic loads. Optional coolant heaters are recommended for all emergency standby installations or for any application requiring fast load acceptance after start-up.

<table>
<thead>
<tr>
<th>Specifications - Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base Engine</strong></td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
</tr>
<tr>
<td><strong>Overspeed Limit</strong></td>
</tr>
<tr>
<td><strong>Regenerative Power</strong></td>
</tr>
<tr>
<td><strong>Cylinder Block Configuration</strong></td>
</tr>
<tr>
<td><strong>Cranking Current</strong></td>
</tr>
<tr>
<td><strong>Battery Charging Alternator</strong></td>
</tr>
<tr>
<td><strong>Battery Type</strong></td>
</tr>
<tr>
<td><strong>Starting Voltage</strong></td>
</tr>
<tr>
<td><strong>Standard Cooling System</strong></td>
</tr>
<tr>
<td><strong>Lube Oil Filter Types</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fuel</th>
<th><strong>STANDBY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Consumption</td>
<td>1/2</td>
</tr>
<tr>
<td>(Approximate) kW</td>
<td>75</td>
</tr>
<tr>
<td>Natural Gas**** CFH</td>
<td>3414</td>
</tr>
<tr>
<td>Propane Vapor **** CFH</td>
<td>450</td>
</tr>
<tr>
<td>Propane Liquid GPH</td>
<td>14.4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cooling</th>
<th><strong>STANDBY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Jacket Water Heat Rejection to Coolant</td>
<td>98.5 kW (5021 BTU/min)</td>
</tr>
<tr>
<td>Heat Rejection to Charge Air Cooler</td>
<td>11.3 kW (642 BTU/min)</td>
</tr>
<tr>
<td>Heat Rejection to Room</td>
<td>28 kW (1476 BTU/min)</td>
</tr>
<tr>
<td>Jacket Water Coolant Capacity ( radiator)</td>
<td>34 L (9 USG)</td>
</tr>
<tr>
<td>Jacket Water Coolant Flow Rate</td>
<td>125 L/min (33 GPM)</td>
</tr>
<tr>
<td>Radiator Fan Load</td>
<td>13 kW (17 hp)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Air</th>
<th><strong>STANDBY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Combustion Air</td>
<td>175 L/sec (371 cfm)</td>
</tr>
<tr>
<td>Maximum Air Cleaner Restriction</td>
<td>293 mm H₂O (8 in H₂O)</td>
</tr>
<tr>
<td>Alternator Cooling Air (30°F)</td>
<td>0.62 m³/s (1308 cfm)</td>
</tr>
<tr>
<td>Radiator Cooling Air</td>
<td>5993 L/sec (12730 cfm)</td>
</tr>
<tr>
<td>Maximum Restriction at Radiator Discharge (static)</td>
<td>25.4 mm H₂O (1.0 in H₂O)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exhaust</th>
<th><strong>STANDBY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Flow (Full Load)</td>
<td>470 L/sec (995 cfm)</td>
</tr>
<tr>
<td>Gas Temperature</td>
<td>677 °C (1250 °F)</td>
</tr>
<tr>
<td>Maximum Back Pressure</td>
<td>76 mm Hg (3 in Hg)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Engine</th>
<th><strong>STANDBY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross Engine Power Output</td>
<td>180 kWm (241 hp)</td>
</tr>
<tr>
<td>BMEP***</td>
<td>1641 kPa (238 psi)</td>
</tr>
<tr>
<td>Piston Speed</td>
<td>6.56 m/s (1350 ft/min)</td>
</tr>
<tr>
<td>Oil Capacity</td>
<td>9.5 L (10 gal)</td>
</tr>
</tbody>
</table>

** Jacket water only.  
*** BMEP @ rated load on NG.  
**** NFPA 37 Compliant

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Alternator

Several alternators are available for application flexibility based on the required motor-starting kVA and other requirements. Larger alternator sizes have lower temperature rise for longer life of the alternator insulation system. In addition, larger alternator sizes can provide a cost-effective use of engine power in across-the-line motor-starting applications and can be used to minimize voltage waveform distortion caused by non-linear loads.

Single-bearing alternators couple directly to the engine flywheel with flexible discs for drive train reliability and durability. No gear reducers or speed changers are used. Two-third pitch windings eliminate third-order harmonic content of the AC voltage waveform and provide the standardization desired for paralleling of generator sets. The standard excitation system is a self (shunt) excited system with the voltage regulator powered directly from

Alternator Application Notes

Separately Excited Permanent Magnet Generator (PMG) System - This option uses an integral PMG to supply power to the voltage regulator. A PMG system generally has better motor-starting performance, lower voltage dip upon load application, and better immunity from problems with harmonics in the main alternator output induced by non-linear loads. This option is recommended for use in applications that have large transient loads, sensitive electronic loads (especially UPS applications), harmonic content, or that require sustained short-circuit current (sustained 3-phase short circuit current at approximately 3 times rated for 10 seconds).

Alternator Sizes - On any given model, various alternator sizes are available to meet individual application needs. Alternator sizes are differentiated by maximum winding temperature rise, at the generator set standby rating, when operated in a 40°C (104°F) ambient environment. Available temperature rise range from 80°C to 150°C (176°F to 302°F). Not all temperature rise selections are available on all models. Lower temperature rise is accomplished using larger alternators at lower current density. Lower temperature rise alternators have higher motor-starting kVA, lower voltage dip upon load application, and they are generally recommended to limit voltage distortion and heating due to harmonics induced by non-linear loads.

Alternator Space Heater - is recommended to inhibit condensation.

Available Output Voltages

<table>
<thead>
<tr>
<th>Three Phase Reconnectable</th>
<th>Single Phase Non-Reconnectable</th>
<th>Three Phase Non-Reconnectable</th>
</tr>
</thead>
<tbody>
<tr>
<td>120/208</td>
<td>240/416</td>
<td>120/240</td>
</tr>
<tr>
<td>127/220</td>
<td>254/440</td>
<td></td>
</tr>
<tr>
<td>139/240</td>
<td>277/480</td>
<td></td>
</tr>
<tr>
<td>120/240</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specifications - Alternator

- Design: Shunt, 4-pole, slip ring exciting field, 60 Hz
- Stator: Direct coupled by flexible disc
- Rotor: Class H per NEMA MG-1, 1.65 or better
- Insulation System: Standard Temperature Rise
- Exciter Type: Shunt or PMG
- Phase Rotation: A (y), B (z), C (w)
- Alternator Cooling: Airflow jet, or air-cooled fan
- AC Waveform Total Harmonic Distortion: ±5% of full load
- Telephone Influence Factor (TIF): ±5% for any single harmonic
- Telephone Harmonic Factor (THF): ±5% for any single harmonic

<table>
<thead>
<tr>
<th>Voltage Ranges</th>
<th>90°C Alternator</th>
<th>105°C Alternator</th>
<th>125°C Alternator</th>
</tr>
</thead>
<tbody>
<tr>
<td>120/208 Thru</td>
<td>120/208 Thru</td>
<td>120/208 Thru</td>
<td></td>
</tr>
<tr>
<td>139/240 Thru</td>
<td>139/240 Thru</td>
<td>139/240 Thru</td>
<td></td>
</tr>
<tr>
<td>277/480 Thru</td>
<td>277/480 Thru</td>
<td>277/480 Thru</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Metric Starting</th>
<th>Broad Range</th>
<th>480</th>
<th>600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum kVA</td>
<td>672 (Shunt)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>(90% Sustained</td>
<td>791 (PMG)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Voltage)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternator Data Sheet No.</td>
<td>ADS211D</td>
<td>ADS211D</td>
<td>ADS211D</td>
</tr>
<tr>
<td>Full Load Current</td>
<td>120/240,1 Ph</td>
<td>120/208V</td>
<td>127/220</td>
</tr>
<tr>
<td>(Amps @ Standby Rating)</td>
<td>625</td>
<td>520</td>
<td>492</td>
</tr>
</tbody>
</table>

* Other Temp Rises Available. See options at end of datasheet for more details.

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Control System

PowerCommand Control 1.1

The PowerCommand Control is an integrated generator set control system providing voltage regulation, engine protection, operator interface and isochronous governing (optional). The integration of all functions into a single control system provides enhanced reliability and performance compared to conventional generator set control systems. Prototype tested; UL, CSA, and CE compliant. Major features:

Features:
- Battery monitoring and testing features and smart starting control system.
- Standard PCCNet interface to devices such as PMG alternator excitation.
- Control boards potted for environmental protection.
- InPower™ PC-based service tool available for detailed diagnostics.

AC Protection
- Over current warning and shutdown.
- Over and under voltage shutdown.
- Over and under frequency shutdown.
- Over excitation (loss of sensing) fault.
- Field overload.

Digital Voltage Regulation
- 2-phase line-to-line sensing.
- Configurable torque matching.

Engine Protection
- Overspeed shutdown.
- Low oil pressure warning and shutdown.
- High coolant temperature warning and shutdown.
- Low coolant level warning or shutdown.
- Low coolant temperature warning.
- High, low and weak battery voltage warning.
- Fail to start (over crank) shutdown.
- Fail to crank shutdown.
- Redundant start disconnect.
- Cranking backup.
- Sensor failure indication.
- Low fuel level warning or shutdown.

Operator / Display Panel
- Manual oil switch.
- Alpha-numeric display with pushbutton access for viewing engine and alternator data and providing setup, controls and adjustments (English or international symbols).
- LED lamps indicating genset running, not in auto, common warning, common shutdown, manual run mode and remote start.
- Bargraph display (optional).

Other Display Data
- Genset model data.
- Start attempts, starts, running hours.
- Fault history.
- RS485 Modbus® interface.
- Data logging and fault simulation (requires InPower service tool).

Control Functions
- Time delay start and cooldown.
- Cycle cranking.
- PCC/Net interface.
- Configurable outputs.
- Remote emergency stop.

PCC Options
- Integrated digital electronic isochronous governing.
- Temperature dynamic governing.
- Auxiliary output relays (2).
- 120/240 V, 100 W anti-condensation heater.
- Remote annunciator with (3) configurable inputs and (4) configurable outputs.
- Remote operator panel.
- PMG alternator excitation.
- PowerCommand iWatch web server for remote monitoring and alarm notification (optional).
- Auxiliary configurable signal inputs (8) and configurable relay outputs (6).
- AC output analog meters (bargraph). Color-coded graphical display of:
  - 3-phase AC voltage
  - 3-phase current
  - Frequency
  - kVA
- PowerCommand 2.2 control with AmpSentry protection.

<table>
<thead>
<tr>
<th>PowerCommand Control Values</th>
<th>PCC</th>
<th>Genset Reference Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Operating Temperature</td>
<td>0°C to +50°C (32°F to 122°F)</td>
<td>-</td>
</tr>
<tr>
<td>Operating Altitude</td>
<td>up to 5000 meters (15,000 ft)</td>
<td>-</td>
</tr>
<tr>
<td>Alternator Data</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>DC, 120/240 V</td>
<td>DC</td>
</tr>
<tr>
<td>Digital Output Voltage</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Digital Output Voltage Regulation</td>
<td>+/-1.5% for 40°C (104°F) lamp change in 8 hours.</td>
<td>-</td>
</tr>
<tr>
<td>Current</td>
<td>5 Phase AC</td>
<td>-</td>
</tr>
<tr>
<td>Frequency</td>
<td>60 Hz</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Battery Config</td>
<td>12 VDC</td>
<td>12 VDC</td>
</tr>
<tr>
<td>Engine Data</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>DC</td>
<td>DC</td>
</tr>
<tr>
<td>Lube Oil Pressure</td>
<td>Adjustable</td>
<td>Adjustable</td>
</tr>
<tr>
<td>Engine idle Speed</td>
<td>Adjustable</td>
<td>Adjustable</td>
</tr>
</tbody>
</table>

Genset values are for reference only. For unit data see genset data tag.

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Generator Set Options

Engine
- 480/240 V, 1500 W coolant heaters
- 120/208/240 V, 250 W lube oil heater

Fuel System
- Flexible fuel connector
- Fuel strainer

Alternator
- 80 °C rise alternator
- 105 °C rise alternator
- 125 °C rise alternator
- 120/240 V, 100 W anti-condensation heater
- Single phase

Exhaust System
- GenSet mounted muffler (Enclosure Models Only)
- Heavy duty exhaust elbow

Generator Set
- Battery
- Battery charger
- Export box packaging
- Main line circuit breaker
- PowerCommand Network
- Communication Module (NCM)
- Stage I enclosure w/silencer
- Stage II enclosure w/silencer
- Remote annunciator panel
- Spring isolators
- Weather protective enclosure with silencer
- 2 year standby warranty
- 5 year basic power warranty

Available Products and Services

A wide range of products and services is available to match your power generation system requirements. Cummins Power Generation products and services include:

- Diesel and Spark-Ignited Generator Sets
- Transfer Switches
- Bypass Switches
- Parallel Load Transfer Equipment
- Digital Parallel Switchgear
- PowerCommand Network and Software
- Distributor Application Support
- Planned Maintenance Agreements

Warranty

All components and subsystems are covered by an express limited one-year warranty. Other optional and extended factory warranties and local distributor maintenance agreements are available. Contact your distributor/dealer for more information.

Certifications

CSA - The alternator is certified to CSA 22.2. The controls are CSA C282-M1999 and 22.2 No.14 M91.

PTS - The Prototype Test Support (PTS) program verifies the performance integrity of the generator set design. Products bearing the PTS symbol have been subjected to demanding tests in accordance to NFPA 110 to verify the design integrity and performance under both normal and abnormal operating conditions including short circuit, endurance, temperature rise, torsional vibration, and transient response, including full load pickup.

See your distributor for more information

Cummins and PowerCommand are registered trademarks of Cummins Inc.
AmpSentry is a trademark of Cummins Inc.
LonWorks is a registered trademark of Echelon

Important: Backfeed to a utility system can cause electrocution and/or property damage. Do not connect generator sets to any building electrical system except through an approved device or after building main switch is open.

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CNP-GFPA Cert (04/14)
Option 2: EPA Certificate of Conformity and engine boilerplate

1) EPA Certificate of Conformity

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2012 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT OF 1990

OFFICE OF TRANSPORTATION
AND AIR QUALITY
ANN ARBOR, MICHIGAN 48105

Certificate Issued To: Generac Power Systems, Inc.
(U.S. Manufacturer or Importer)
Certificate Number: CGNXB06.82C3-026

Effective Date: 10/31/2011
Expiration Date: 12/31/2012

Byron J. Bunker, Acting Division Director
Compliance Division

Issue Date: 10/31/2011
Revision Date: N/A

Manufacturer: Generac Power Systems, Inc.
Engine Family: CGNXB06.82C3
Certificate Number: CGNXB06.82C3-026
Certification Type: Stationary (Part 60)
Fuel: Natural Gas (CNG/LNG)
Emission Standards:
- NOx (g/kW-hr): 2.7
- VOC (g/kW-hr): 1.3
- CO (g/kW-hr): 5.4

Emergency Use Only: Y

Pursuant to Section 213 of the Clean Air Act (42 U.S.C. section 7547) and 40 CFR Part 60, 1065, 1068, and 60 (stationary only and combined stationary and mobile) and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following nonroad engines, by engine family, more fully described in the documentation required by 40 CFR Part 60 and produced in the stated model year.

This certificate of conformity covers only those nonroad spark-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 60 which are produced during the model year stated on this certificate by the said manufacturer, as defined in 40 CFR Part 60. This certificate of conformity does not cover nonroad engines imported prior to the effective date of the certificate.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068.20 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 60. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void ab initio for other reasons specified in 40 CFR Part 60.

This certificate does not cover nonroad engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.
ENGINE FAMILY: CGNXB06.82C3
EXHAUST ECS: TWC-ECM-H025

THIS ENGINE COMPLIES WITH U.S. EPA REGULATIONS FOR 2012 STATIONARY SI ENGINES AND CAN ONLY BE USED IN STATIONARY EMERGENCY APPLICATIONS. THIS ENGINE IS CERTIFIED TO OPERATE ON PIPELINE QUALITY NG TO BE USED IN CONSTANT-SPEED APPLICATIONS ONLY.

EMISSIONS STANDARDS 1.3G/KW-HR VOC, 5.4G/KW-HR CO, 2.7G/KW-HR NOX.

GMD ENG MODEL: 6.8GPMGD-130 DECLARED POWER: 19.8HP RPM 1800 RPM

REFER TO THE OWNERS MANUAL AND INSTALLATION GUIDE FOR MAINTENANCE, LUBRICATION, INSTALLATION, AND PURCHASE/OWNER COMPLIANCE REQUIREMENTS. NON-COMPLIANCE MAY BE A VIOLATION OF FEDERAL LAW SUBJECT TO CIVIL PENALTY.