The Model 5220 Thermoelectric Generator contains no moving parts. It is a reliable, low-maintenance source of DC electrical power for any application where regular utilities are unavailable or unreliable.

**KEY DESIGN FEATURES:**
- Automatic Spark Ignition (SI)
- Automatic Fuel Shut-Off (SO)
- Fuel Filter
- Low Voltage Alarm Contacts (VSR)
- Volt & Amp Meter
- Reverse Current Protection

**OPTIONAL FEATURES:**
- Cathodic Protection Interface
- Pole Mount or Bench Stand
- Corrosive Environmental Fuel System
- Marine Service
- Certification to CSA Std. T.I.L. R-10

### Power Specifications

<table>
<thead>
<tr>
<th>Power Rating at 20°C:</th>
</tr>
</thead>
<tbody>
<tr>
<td>195 Watts @ 12 Volts</td>
</tr>
<tr>
<td>178 Watts @ 24 Volts</td>
</tr>
</tbody>
</table>

### Electrical

<table>
<thead>
<tr>
<th>Output Adjustment Range:</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 V 12~18 Volts</td>
</tr>
<tr>
<td>24 V 24~30 Volts</td>
</tr>
</tbody>
</table>

**Output:** Terminal block which accepts up to 8 AWG wire. Opening for 3/4“ conduit in base of cabinet.

### Fuel Requirements

**Natural Gas:**
- Max. 19.7 m³/day (700 Sft³/day)
- 1000 BTU/Sft³ (377 MJ/Sm³) gas
- Max. 115 mg/Sm³ (~170 ppmw) H₂S
- Max. 120 mg/Sm³ H₂O
- Max. 1% free O²

**Propane:**
- 28.0 l/day (74 US gal/day)

**Max. Supply Pressure:** 345 kPa (50 psi)
**Min. Supply Pressure:** 165 kPa (24 psi)
**Fuel Connection:** 1/4” MALE NPT

### Environmental

**Ambient Operating Temperature:**
- Max. +45°C (115°F)
- Min. -40°C (-40°F)

**Operating Conditions:**
- Unsheltered operation

Please contact GPT for operating conditions below -40°C or above +45°C.

### Construction

- **Materials:**
  - Cabinet: 304 Stainless Steel (SS)
  - Cooling Type: Natural Convection
  - Fuel System: Brass, Aluminum & Stainless Steel

**Note:**
Specifications shown are for standard 5220 configurations. Gentherm Global Power Technologies (GPT) also offers customized products and systems to accommodate custom voltages, fuel supply systems and operating temperatures.

Specification data stated in this document is subject to change without notice. To verify these specifications are current, please contact your GPT sales representative.

P 403 236 5556
E gptsales@gentherm.com
W www.genthermglobalpower.com
**Specification Sheet**

**67211 R4**

**Typical Dimensions**

**GENERAL**

**FUEL SUPPLY**

1/4" MALE NPT CONNECTION AT GENERATOR

**OPENING FOR 3/4" CONDUIT 12, 24 VDC CUSTOMER LOAD, TERMINAL ACCEPTS UP TO 8 AWG WIRE**

**SUPPORT COLUMN (OPTIONAL) 3" SCH. 40 PIPE**

**ANCHOR BOLT CENTERS Ø0.312"**

**NOTES:**

Generator Weight: 100 kg [221 lb]  
Model: 5220

**Gentherm Global Power Technologies**

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