

Model 5220 Thermoelectric Generators



Standard Features

- Automatic Spark Ignition (SI)
- Automatic Fuel Shut-off (SO)
- Fuel Filter
- Low Voltage Alarm Contacts (VSR)
- Volt & Amp Meter

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

Note: Specifications shown are for standard configurations. Gentherm Global Power Technologies' * (GPT) Integrated Systems Engineering Department is available to design custom voltages, fuel supply systems and non-standard operating temperatures.

Specification data stated in this document is subject to change without notice. To verify these specifications are current, contact your Gentherm Global Power Technologies (GPT) sales representative.

* Formerly Global Thermoelectric



ISO 9001 Registered

Gentherm Global Power Technologies' * (GPT) 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.

Power Specifications

Power Rating at 20°C
195 Watts at 12 Volts
178 Watts at 24 Volts

Electrical

Adjustment:	12 V	12 -18 Volts
	24 V	24 - 30 Volts

Reverse current protection included.

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

Fuel

Natural Gas:	19.7 m ³ /day (700 Sft ³ /day) 1000 BTU/Sft ³ (37.7 MJ/SM ³) gas max 115 mg/Sm ³ (~170 ppm) H ₂ S max 120 mg/Sm ³ H ₂ O max 1% free O ₂
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Propane:	28.0 l/day (7.4 US gal/day)
Max. Supply Pressure:	345 kPa (50 psi)
Min. Supply Pressure:	165 kPa (24 psi)
Fuel Connection:	1/4" MNPT

Environmental

Ambient Operation 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.

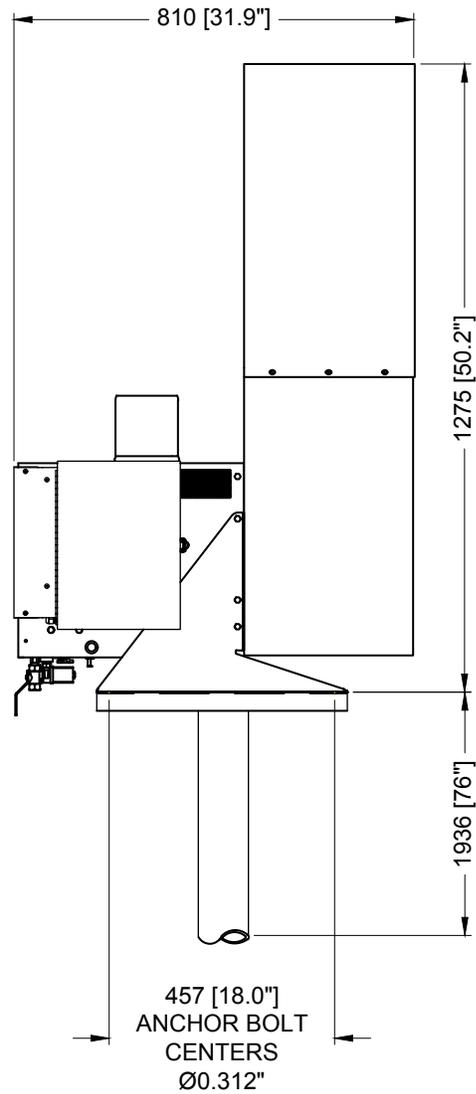
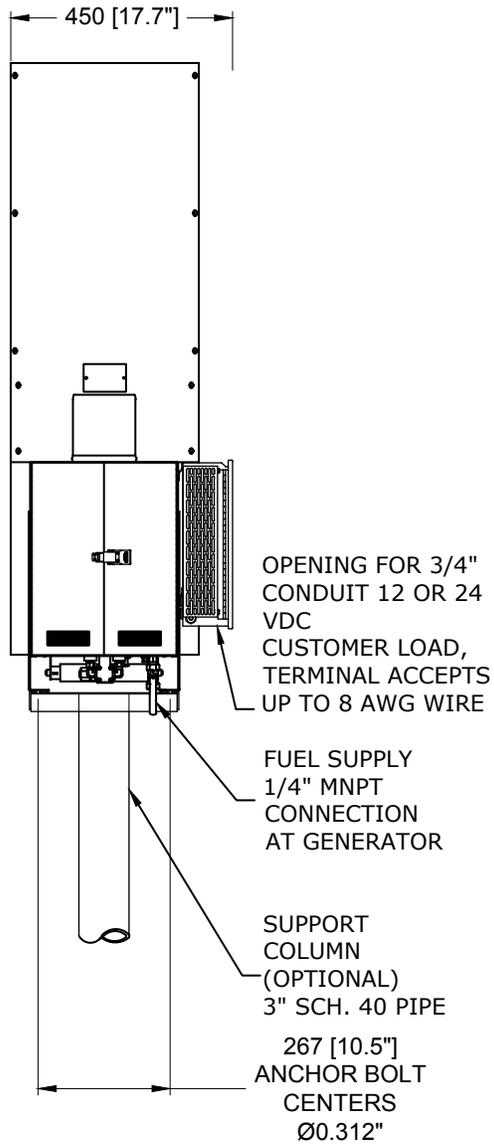
Materials of Construction

Cabinet:	304 SS
Cooling Type:	Natural Convection
Fuel System:	Brass, Aluminum & SS

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Typical Installation



NOTES:

1. GENERATOR WEIGHT: 97 kg [214 lb]
2. DIMENSIONS IN mm [INCHES].

MODEL: 5220
 DRW: 42360 rev2



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