

Model 5220 Thermoelectric Generators



Global Thermoelectric's 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.

Power Specifications

Power Rating at 20°C

220 Watts at 12 Volts

176 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: 138 kPa (20 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 Global 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

Standard Features

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

Optional Features

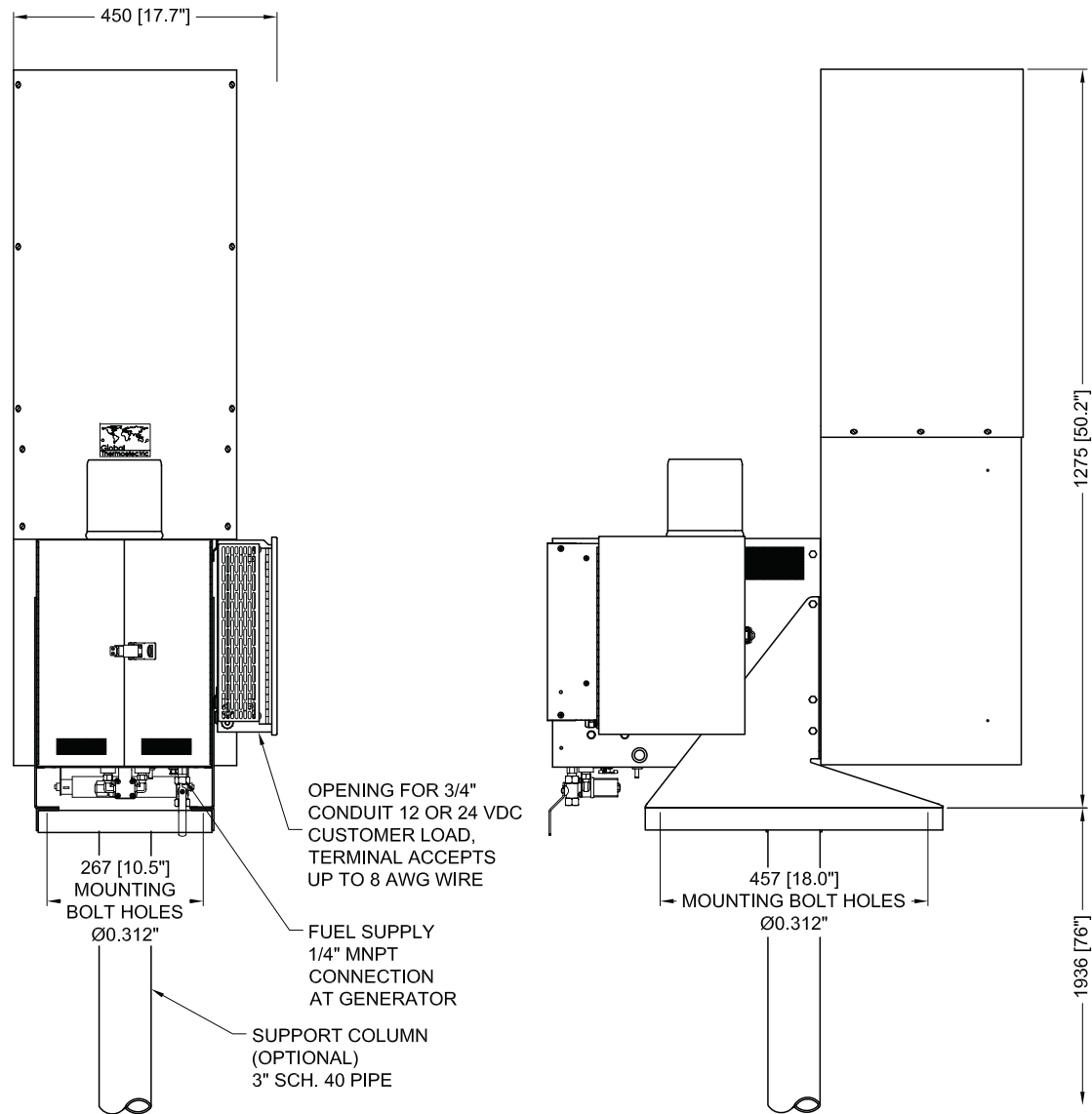
- Cathodic Protection Interface
- Pole Mount or bench stand
- Corrosive Environmental Fuel System
- Marine Service

Note: Specifications shown are for standard configurations. Global Thermoelectric's Integrated Systems Engineering Department is available to design custom voltages, fuel supply systems and non-standard operating temperatures.



Typical Installation

Rev 01-12



42360 rev0

NOTES:

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



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