

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.

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.



Fuel

Natural Gas:	19.7 m ³ /day (700 Sft ³ /day) 1000 BTU/Sft ³ (37.7 MJ/Sm ³) gas max 7 mg/Sm ³ (~5 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)
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Max. Supply Pressure:	1724 kPa (250 psi)
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Min. Supply Pressure:	241 kPa (35 psi)
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Fuel Connection:	1/4" MNPT
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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

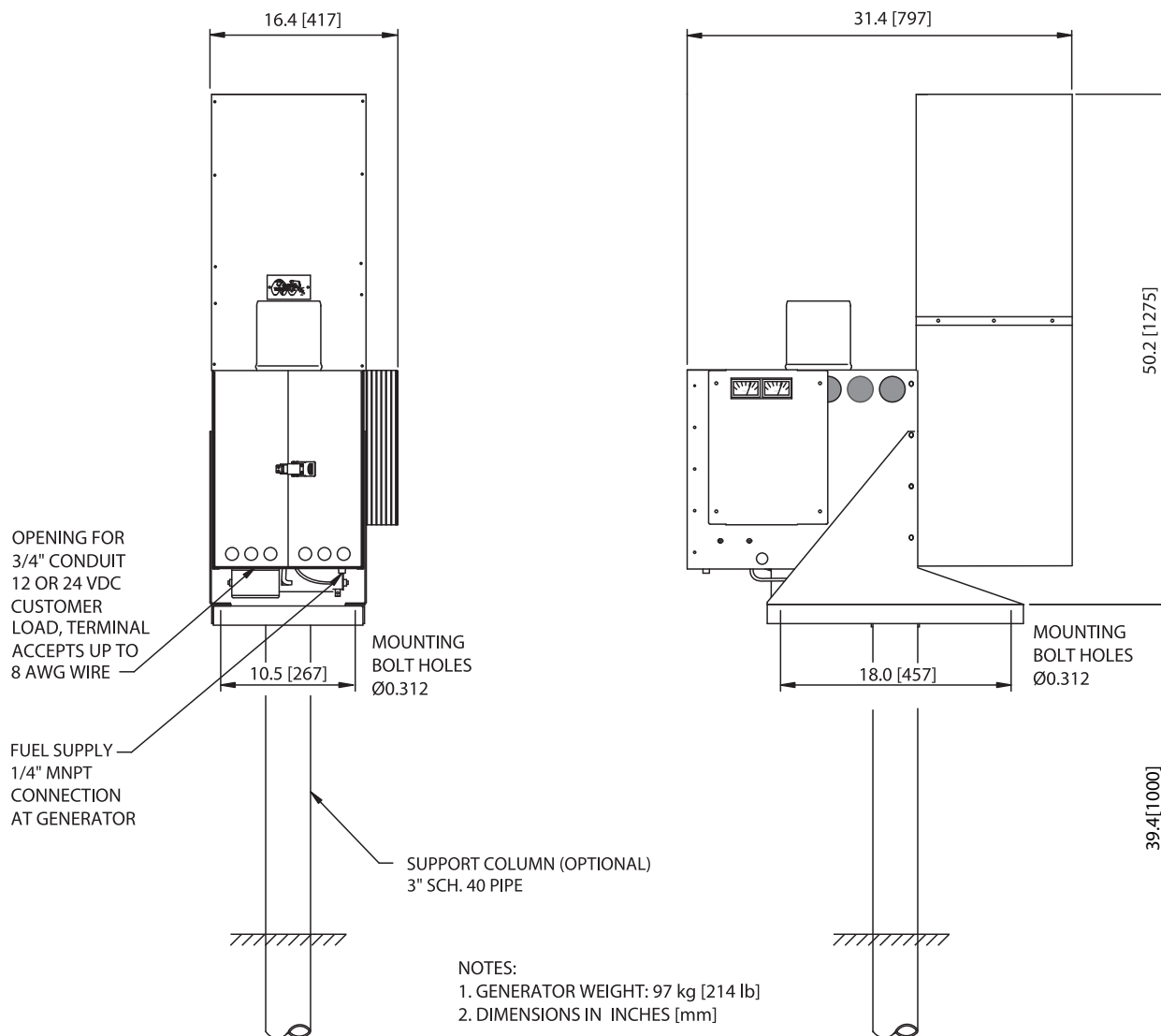
Cabinet:	304 SS
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Cooling Type:	Natural Convection
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Fuel System:	Brass, Aluminum & SS
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Typical Installation



Power where you need it.

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