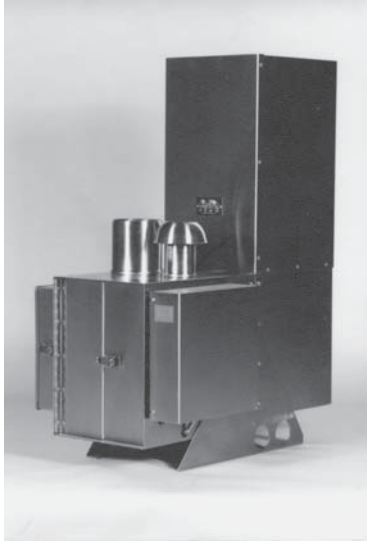


Model 5120 Thermoelectric Generators



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
- Flame Arrestor
- 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.



Global Thermoelectric's Model 5120 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

120 Watts at 6.7 Volts

108 Watts at 12 Volts

108 Watts at 24 Volts

108 Watts at 48 Volts

Electrical

Adjustment:	6.7V	up to 11 Volts
	12 V	12 - 18 Volts
	24 V	24 - 30 Volts
	48 V	48 - 60 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: 8.8 m³/day (311 Sft³/day) of Std.
1000 BTU/Sft³ (37.7 MJ/SM³) gas
max 115 mg/Sm³ (~170 ppm) H₂S
max 120 mg/Sm³ H₂O
max 1% free O₂

Propane: 11.4 l/day (3.0 US gal/day)

Max. Supply Pressure: 172 kPa (25 psi)

Min. Supply Pressure: 69 kPa (10 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

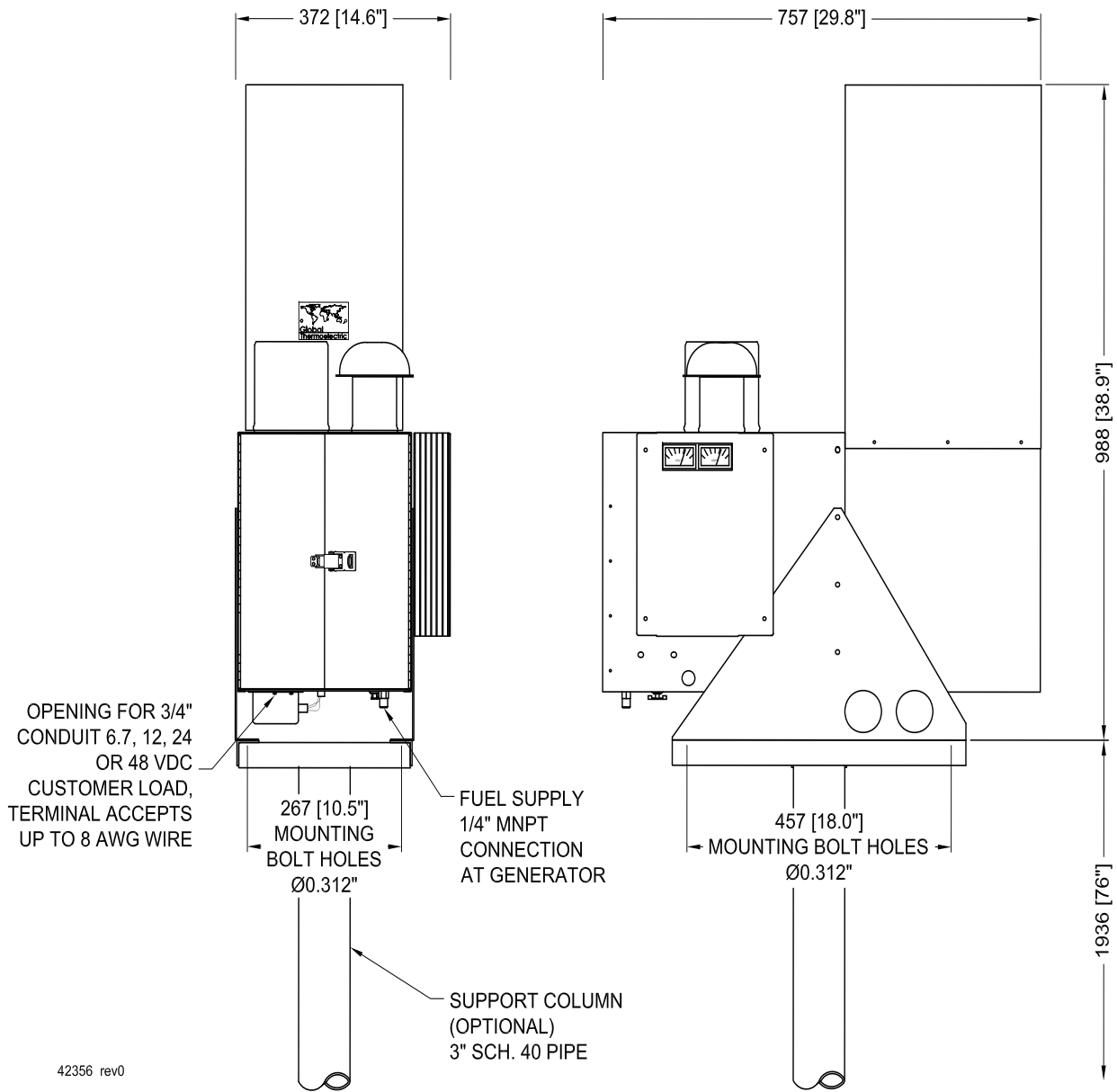
Fuel System: Brass, Aluminum & SS

Rev 01-12



Typical Installation

Rev 01-12



42356 rev0

NOTES:

1. GENERATOR WEIGHT: 60 kg [132 lb]
2. DIMENSIONS IN mm [INCHES].



Power where you need it.®

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Model 5120 Thermoelectric Generator