

Model 5030 Thermoelectric Generators



Global Thermoelectric's Model 5030 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

21 Watts at 12 Volts

21 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 10 AWG wire. Opening for 3/4" conduit in the base of the cabinet.

Fuel

Natural Gas:	2.1 m ³ /day (74 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:	3.0 l/day (0.8 US gal/day)
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Max. Supply Pressure:	1724 kPa (250 psi)
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Min. Supply Pressure:	103 kPa (15 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:	Aluminum
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Cooling Type:	Natural Convection
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Fuel System:	Brass, Aluminum & SS
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Standard Features

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

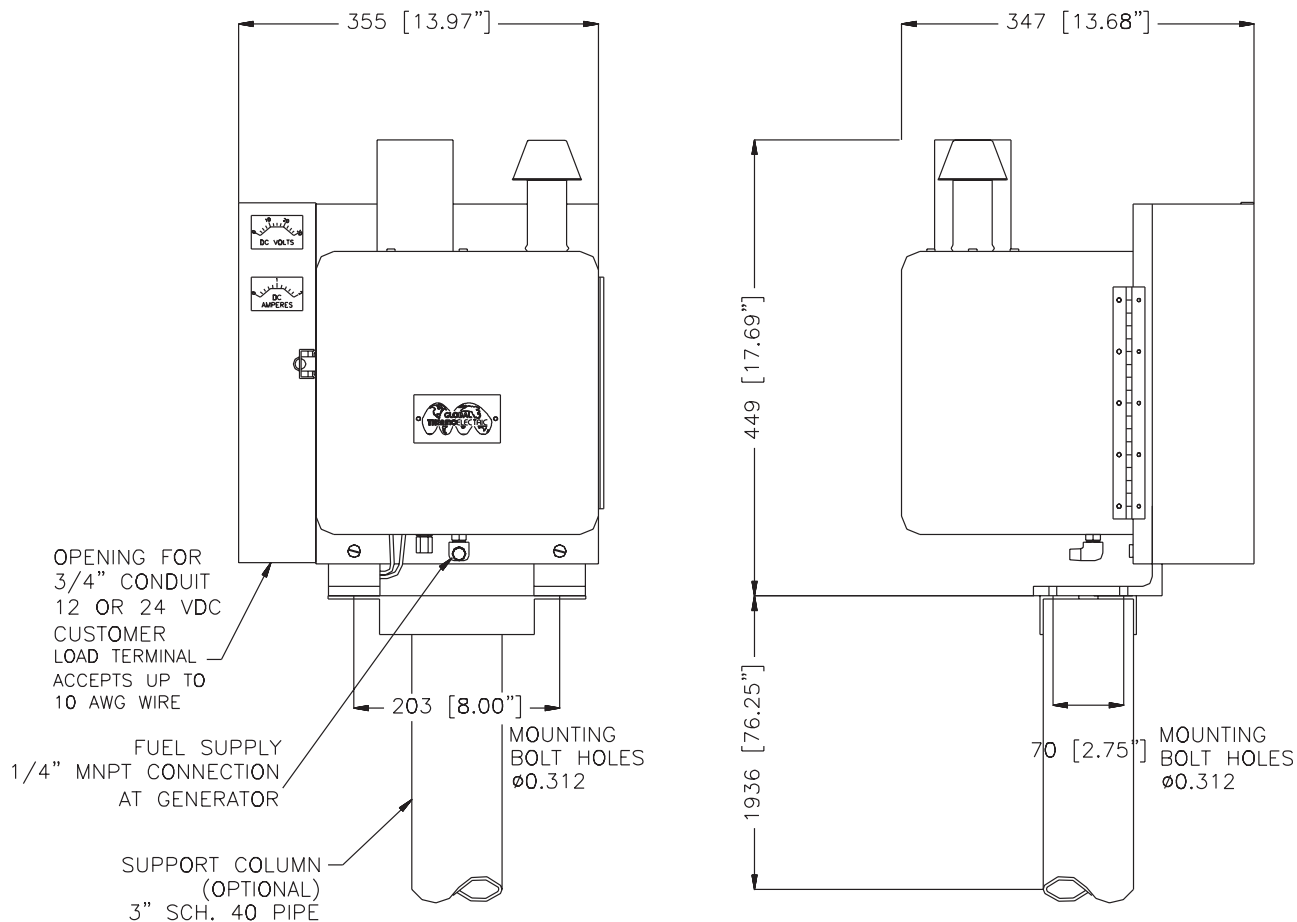
Optional Features

- Pole Mount or bench stand
- Corrosive Environmental Fuel System

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



- NOTES:
1. GENERATOR WEIGHT: 18 kg [40 lb].
 2. DIMENSIONS IN mm [INCHES].



Power where you need it.

Corporate Office
 9, 3700 - 78 Avenue SE
 Calgary, Alberta T2C 2L8 CANADA
 Phone: (403) 236-5556
 Fax: (403) 236-5575
 www.globalte.com

US Sales
 P.O. Box 38624
 Houston, TX 77238
 Phone: (281) 445-1515
 Fax: (281) 445-6060
 Toll Free: 1 800 848-4113

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