

Model 8550 Thermoelectric Generators



Global Thermoelectric's Model 8550 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
480 Watts at 12 Volts
550 Watts at 24 Volts
480 Watts at 48 Volts

Electrical

Adjustment:	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.

Standard Features

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

Optional Features

- Cathodic Protection Interface
- Bench Stand
- Ethylene fuelled
- Operation over 4000 m elevation

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:	48.0 m ³ /day (1695 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
Propane:	76.0l/day (20.1 US gal/day)
Max. Supply Pressure:	172 kPa (25 psi)
Min. Supply Pressure (NG):	103 kPa (15 psi)
Min. Supply Pressure (LPG):	140 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

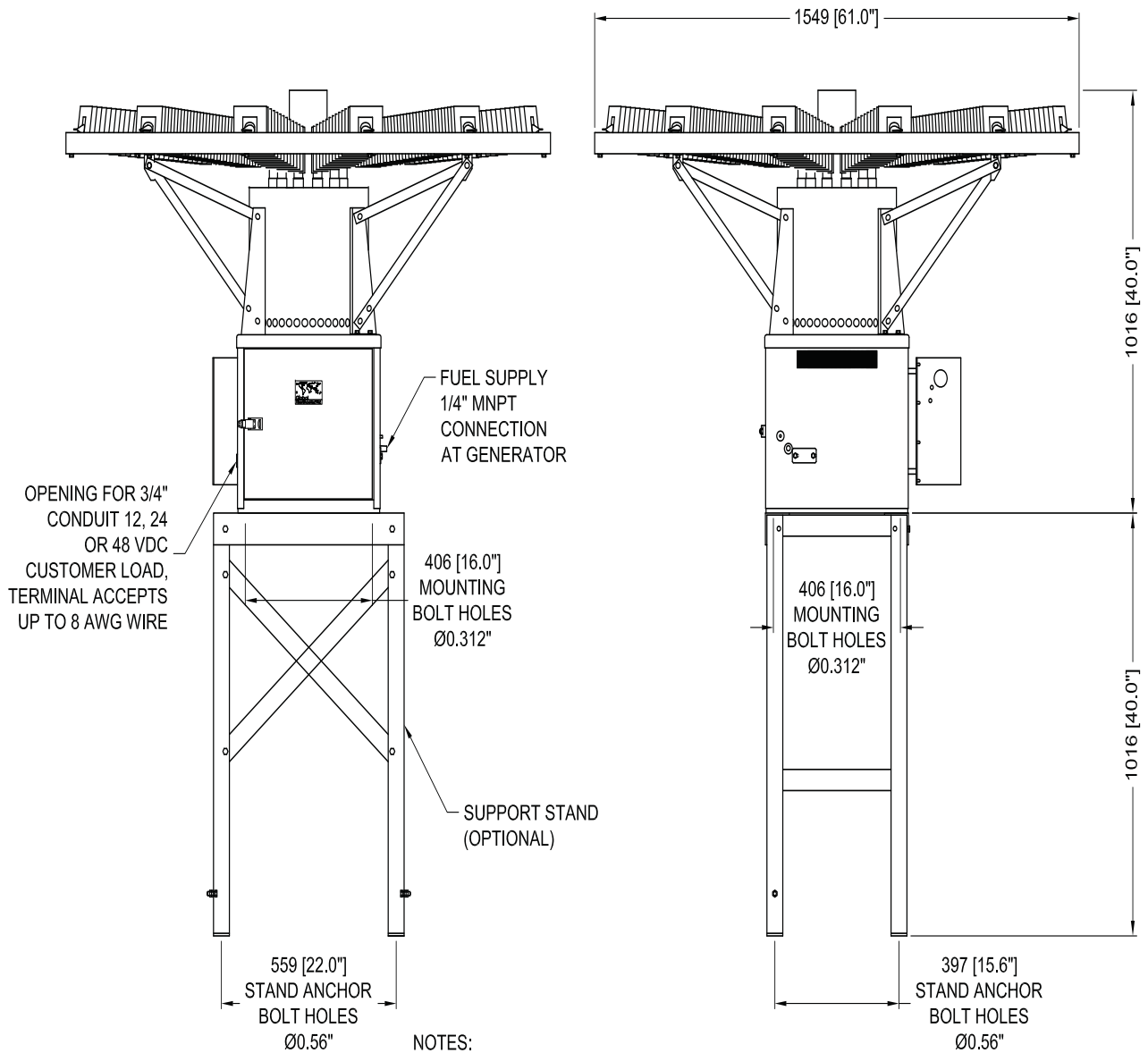
Please contact Global for operating conditions below -40°C or above +45°C.

Materials of Construction

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



Typical Installation



42361 rev0

- NOTES:
1. GENERATOR WEIGHT: 102 kg [225 lb]
 2. DIMENSIONS IN mm [INCHES].



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