

MODEL 1500

The Model 1500 Thermoelectric Generator is Class 1, Div 2 hazardous area rated. With no moving parts, it is a reliable, low maintenance source of DC electrical power for any application where regular utilities are unavailable or unreliable.

KEY FEATURES:

- ✓ Automatic Spark Ignition (SI)
- ✓ Automatic Fuel Shut-Off (SO)
- ✓ Fuel Filter
- ✓ CSA Certification
- ✓ Reverse Current Protection
- ✓ Class I, Div 2, Group D, Temp T3
- ✓ Volt & Amp Meter
- ✓ Flame Arrestor



SPECIFICATIONS

POWER SPECIFICATIONS

POWER RATING AT 20°C (68°F)

500 Watts @ 24 Volts

ELECTRICAL

OUTPUT ADJUSTMENT RANGE

24 Volts 24–30 Volts

Output: Terminal block which accepts up to 00 AWG wire. Opening for two 3/4" conduit in base of cabinet.

FUEL REQUIREMENTS

NATURAL GAS

48.0m³/day (1695 Sft³/day)

1000 BTU/Sft³ (37.7 MJ/Sm³) gas

max 115 mg/Sm³ (~170 ppmw) H₂S

max 120 mg/Sm³ H₂O

max 1% free O₂

Max. Supply Pressure: 172 kPa (25 psi)

Min. Supply Pressure: 103 kPa (15 psi)

Fuel Connection: 1/4" Male NPT

ENVIRONMENTAL

AMBIENT OPERATING TEMPERATURE

Max. +45°C (115°F)

Min. -40°C (-40°F)

OPERATING CONDITIONS

Unsheltered operation

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

CONSTRUCTION

MATERIALS

Cabinet: 316 Stainless Steel (SS)

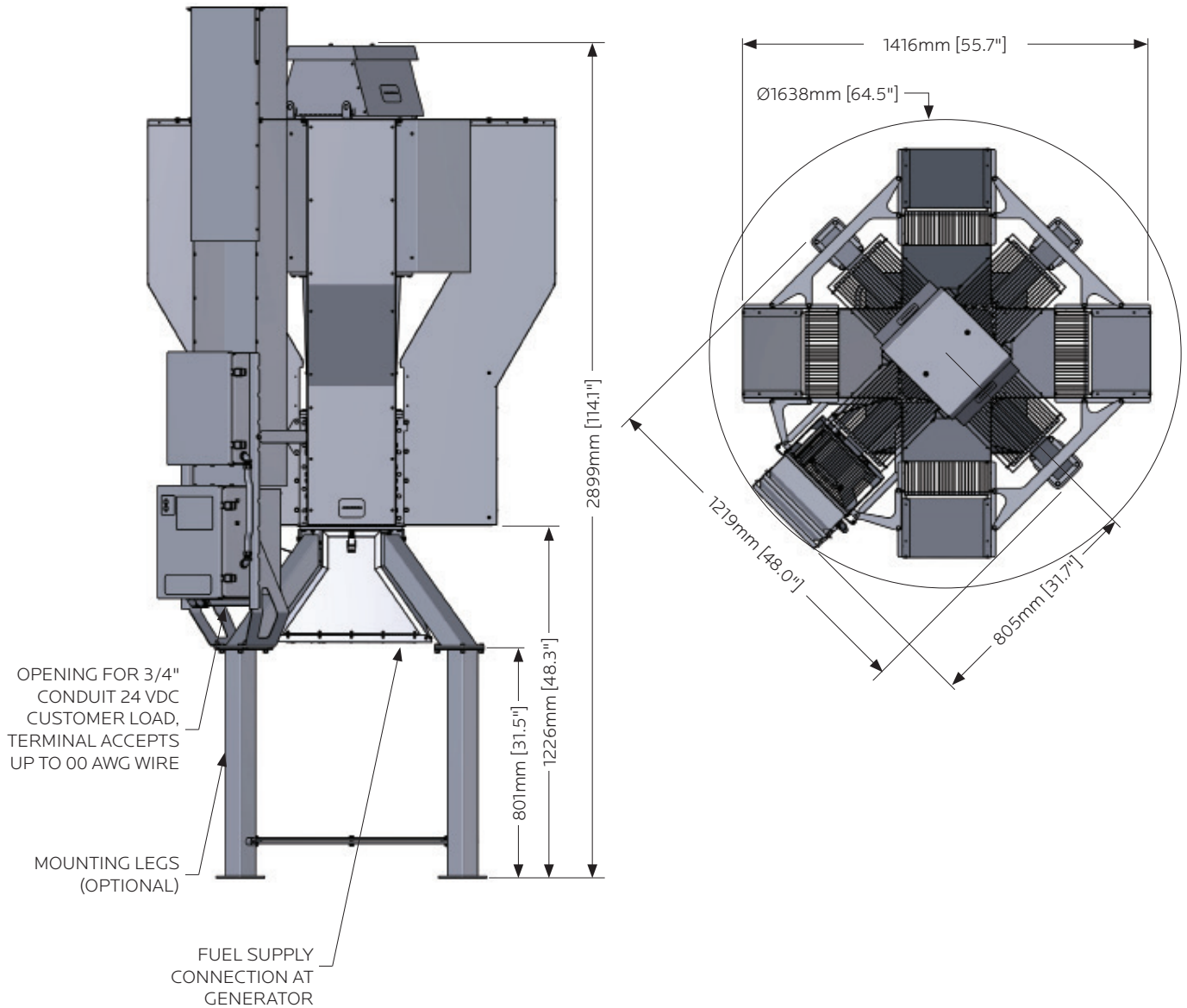
Cooling Type: Natural Convection

Fuel System: Aluminum & Stainless Steel

NOTES

Specifications shown are for standard 1500 configurations. Global Power Technologies (GPT) also offers customized products and systems to accommodate custom voltages, fuel supply systems and operating temperatures.

Specification data stated in this document is subject to change without notice. To verify these specifications are current, please contact your GPT sales representative.



NOTES:

Generator Weight: 700 kg [1530 lb]

ISO
9001:2015
REGISTERED



CSA/ANSI 13.1:22 - Combined Heat and Power Appliances.
 C22.2 No 30 - M1986, Explosion Proof Enclosures for use in Class I Hazardous Locations.
 C22.2 No 94 - M1991, Special Purpose Enclosures.
 C22.2 No 213-2017, Non-Incendive Electrical Equipment for use in Class I, Division 2 Hazardous Locations.