

MODEL 1120

The Model 1120 Thermoelectric Generator is Class I, Div 2 or Class I, Div 1 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
- ✓ Low Voltage Alarm Contacts (VSR)
- ✓ Volt & Amp Meter
- ✓ Reverse Current Protection
- ✓ Flame Arrestor
- ✓ CSA Certification (Class I, Div 2 Group D, Temp T3)

OPTIONAL FEATURES:

- ✓ FM Certification (Class I, Div 1, Temp T3)
- ✓ 316 SS Regulator & Fuel Valve
- ✓ Cathodic Protection Interface Panel
- ✓ Pole Mount or Bench Stand
- ✓ Intake Air Filter



SPECIFICATIONS

POWER SPECIFICATIONS

POWER RATING AT 20°C (68°F)

110 Watts @ 6.7 Volts 100 Watts @ 24 Volts
100 Watts @ 12 Volts

ELECTRICAL

OUTPUT ADJUSTMENT RANGE

6.7 Volts Up to 11 Volts
12 Volts 12–18 Volts
24 Volts 24–30 Volts
48 Volts 48–60 Volts

Output: Terminal block which accepts up to 00 AWG wire. Opening for two 3/4" NPT ports in base of electronics enclosure.

FUEL REQUIREMENTS

NATURAL GAS

8.8m³/day (311 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

PROPANE

11.4 L/day (3.0 US gal/day)

NATURAL GAS/PROPANE

Max. Supply Pressure: 172 kPa (25 psi)
Min. Supply Pressure NG: 69 kPa (10 psi)
Min. Supply Pressure LPG: 103 kPa (15 psi)
Fuel Connection: 1/4" Male NPT

ENVIRONMENTAL

AMBIENT OPERATING TEMPERATURE

Max. +40°C (104°F)
Min. -20°C (-4°F)

OPERATING CONDITIONS

Unsheltered operation certified for use in hazardous areas.

Please contact GPT for operating conditions below -20°C or above +40°C.

CONSTRUCTION

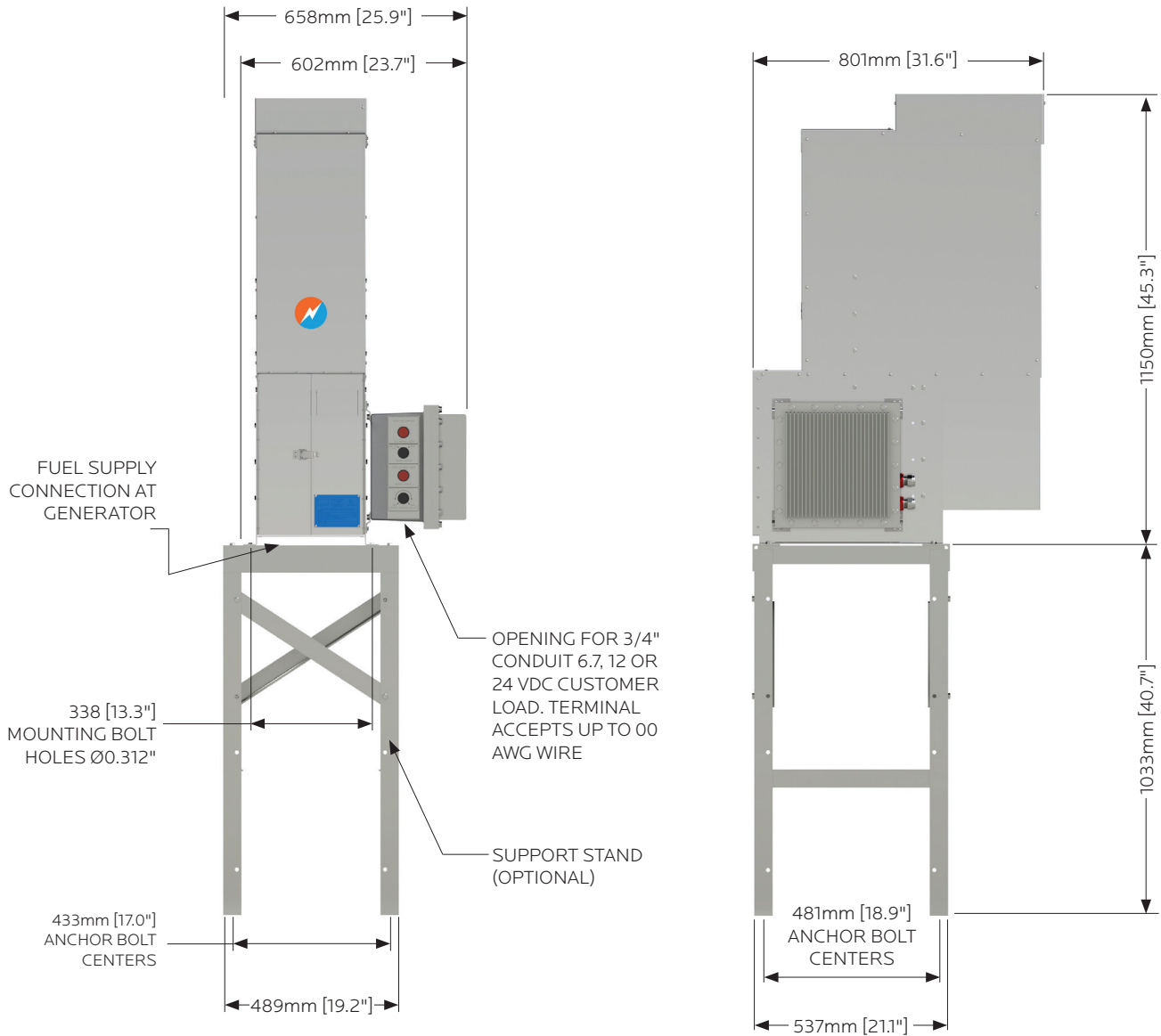
MATERIALS

Cabinet: 316 Stainless Steel (SS)
Cooling Type: Natural Convection
Fuel System: Aluminum & Stainless Steel

NOTES

Specifications shown are for standard 1120 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: 130 kg [286 lb]

ISO
9001:2015
REGISTERED

