

STANDARD FEATURES

- GM 3.0 L Vortec industrial engine
- High efficiency synchronous generator
- Full engine heat recovery (CHP)
- Low noise (68db(A) @ 7M)
- Fully automatic functional controls
- Automatic alarms & shutdown protection
- Grid parallel / grid isolated capability
- 480 / 277 Vac 3 Phase 60 Hz power
- Weather protected for outdoor siting
- Fully lockable
- Automatic engine oil replenish system
- 5 gallon reserve engine oil tank



OPTIONAL FEATURES ENI 25 NATURAL GAS PERFORMANCE

- Remote monitor
- Isolation CHP heat exchanger
- Load dump radiator
- Multiple voltages
- Induction generator
- Premium noise package
- Site controller
- Service packages

- Please contact I Power Energy Systems, LLC for the most current options and specifications
- All data based on ISO standard conditions of 29.54”Hg barometric pressure, 77 deg F ambient air temperature, 30% relative humidity.
- The values in this specification are subject to a tolerance of +/- 5%

General - Electrical Output - Electrical Efficiency - Total Efficiency	23 kW 28.0% 86.5%
Fuel - Heat Rate (LHV) - Rated Fuel - Required Fuel Pressure	12,826 BTU/kWhr 910 BTU/cu ft .25 min psig
CHP - Total Heat Available - Standard Recovery Temp - Normal Coolant Flow	172,500 BTU/hr 197 ° F 13 gpm
Engine Operation - Operating Speed - Power At Full Output	1800 RPM 32 HP
Emissions - NOX - CO - NMHC	0.15 g/bhp-hr 0.60 g/bhp-hr 0.15 g/bhp-hr

ENGINE SPECIFICATIONS

Engine	
Make	GM
Model	3.0 L Industrial
Cylinders	14
Displacement	181 cu in (3.0L)
Intake Air	Naturally Aspirated
Lubrication	
Oil Pan Capacity	5 Q (4.7 L)
Oil Filter	PF 25
Oil	Chev HDAX Low Ash 15W-40
Reserve Oil Tank	5 g (19 L)

Fuel System	
Fuel	Natural Gas
Lower Heating Value	910 BTU/cu ft
Fuel Flow (at full output)	324 cu ft/hr
Automatic Fuel Lockout	Dual Asco Valves
Operating Pressure	.25 psig min (.017 Bar)
Fuel Supply Inlet size	3/4 in NPT
Engine Operation	
Speed	1800 RPM
Engine Power	32 HP

GENERATOR SPECIFICATIONS

Type	Synchronous
Connections	12 Lead
Total Harmonic Distortion	<3%
Construction	Ventilated / Drip Proof
Bearings	Single Bearing
Load Capacity	100%
Regulation	+/- 0.5%
Maximum Unbalance	10%

CONTROLS

Controls	
Generator System	Woodward EGCP-2
Engine Operation	
Protection	Soft & Hard Shutdowns
Alarms	Low Oil Pressure High Coolant Temp Lub Oil Low Freq High/Low Voltage High/Low Reverse Power Over Current

PACKAGE FEATURES

- Engine exhaust silencer
- Roof mounted exhaust discharge
- Cabinet vent fan for forced air cooling
- Full access for component service
- High voltage in separate cabinet
- 1" NPT CHP pipe connections
- 3/4" NPT gas pipe connection
- Site water isolation
- Stainless exhaust gas heat exchanger
- Brazed type heat exchanger

PACKAGE DIMENSIONS

Dimensions ENI 25	
Height	48" (1,219 mm)
Length	84" (2,133 mm)
Width	42" (1,066 mm)
Weight	1,500 lb (680 kg)