

STANDARD FEATURES

- NG GV222TIC industrial engine
- High efficiency synchronous generator
- Full engine heat recovery (CHP)
- Low noise (70db(A) @ 1M)
- Fully automatic functional controls
- Automatic alarms and shutdown protection
- Grid parallel / grid isolated capability
- 480 / 277 Vac 3 Phase power
- Indoor siting features
- Fully lockable
- Automatic engine oil replenish system
- 55 gallon reserve engine oil tank



OPTIONAL FEATURES ENI 365 NATURAL GAS PERFORMANCE

- Remote monitor
- Weather protected for outdoors
- Isolation CHP heat exchanger
- CHP pump
- Load dump radiator
- Multiple voltages
- Service packages
- Total unit performance efficiency
- Engine operating monitor
- CHP system status monitor

- 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 (LHV) - Total Efficiency (HHV)	365 kW 38% 90.0%
Fuel - Heat Rate (LHV) - Rated Fuel (LHV) - Required Fuel Pressure	8,978 BTU/kW hr 905 BTU/cu ft 1.0 (max) psig
CHP - Total Heat Available - Standard Recovery Temp - Normal Coolant Flow	1,704,000 BTU/hr 199 ° F 200 gpm
Exhaust - Exhaust Flow - Exhaust Temp	2,027 cu ft/min 214 ° F
Emissions - NOX - CO - NMHC	0.15 g/bhp-hr 0.60 g/bhp-hr 0.15 g/bhp-hr

ENGINE SPECIFICATIONS

Engine		Fuel System	
Make	NG	Fuel	Natural Gas
Model	GV222TIC	Lower Heating Value	905 BTU/cu ft
Cylinders	V12	Fuel Flow (at full output)	3,620 cu ft/hr
Displacement	1,342 cu in (22L)	Automatic Fuel Lockout	Dual Asco Valves
Intake Air	Turbocharged	Operating Pressure	1.0 psig (max)
Lubrication		Fuel Supply Inlet size	2.0 in NPT
Oil Pan Capacity	10.6 gal (40L)		
Oil Filter	Full Flow Catridge Type		
Oil	HDAX Low Ash 15W-40		
Reserve Oil Tank	55 gal (208L)		

GENERATOR SPECIFICATIONS CONTROLS

Type	Synchronous
Connections	12 Lead
Total Harmonic Distortion	<2%
Construction	Ventilated / Drip Proof
Insulation Class	H
Bearings	Single Bearing
Load Capacity	100%
Regulation	+/- 0.5%
Maximum Unbalance	10% for 1 hr

Controls	
Generator System	Woodward State-Of-The-Art
Single Point Control	Engine Status Electrical System Control Warnings & Alarms
Protection	Soft & Hard Shutdowns
Alarms	Low Oil Pressure High Coolant Temp Lub Oil Low Gas Pressure Low CHP Coolant Flow Freq High/Low Voltage High/Low Reverse Power Over Current
Optional Features	Remote Monitor & Control Efficiency Monitors Site Controllers

PACKAGE FEATURES

- Engine exhaust silencer
- Cabinet vent fan for forced air cooling
- Full access for component service
- High voltage in separate cabinet
- 3" NPT CHP pipe connections
- Separate cooling radiator ports avail.
- Site water isolation available
- Stainless exhaust gas heat exchanger
- Brazed type heat exchangers

PACKAGE DIMENSIONS

Dimensions ENI 365	
Height	84" (2,134 mm)
Length	132" (3,353 mm)
Width	60" (1,524 mm)
Weight	12,000 lb (5,443 kg)