WP13NG-US

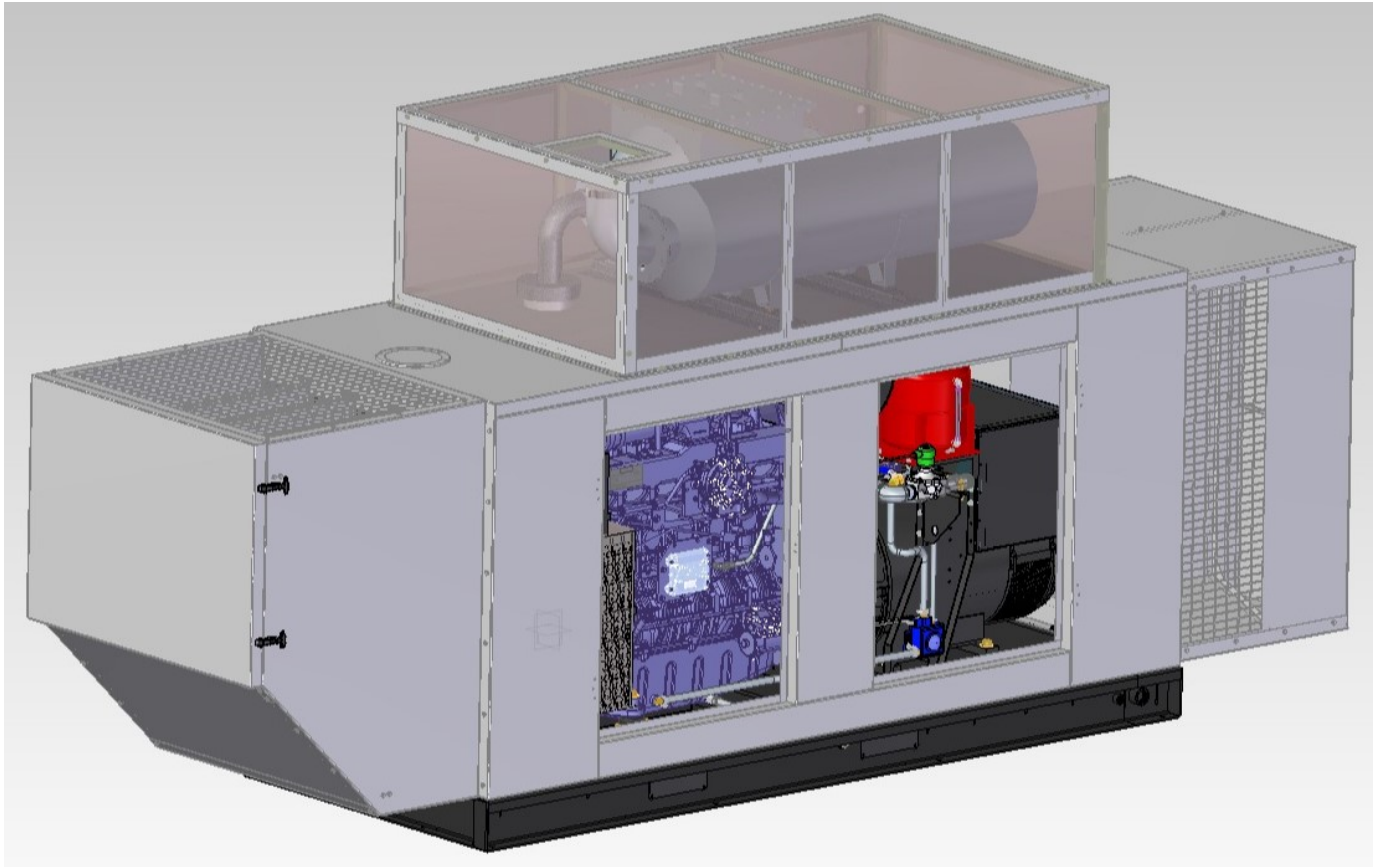## NATURAL GAS

Prime Power: 220kW

TBD warranty covers all systems and components.
Extended warranty plans are available.

- Weather resistant enclosure with fluid containment and forklift pockets
- Meets SCAQMD Rule 1110.2 for New Non-Emergency Electrical Generators
- Stamford alternator with PMG and MX341 AVR
- Luberfiner filtration system
- Oil level control with tank
- Easy access control panel and main power hookup
- 400A circuit breaker
- 24V start
- Digital controller
- Engine knock sensing

WP13NG-US
NATURAL GAS

ENGINE

Make / Model	Weichai / WP13GTA
Type	In-line, liquid cooled
Aspiration	Turbo, after cooled (air-to-air)
Cylinders	6 (individual replaceable heads)
Displacement / Bore x Stroke	12.5 L (765 cu. in.) / 127mm x 165mm
Compression Ratio	9.75:1
Oil Pan Capacity	36 L (9.5 US Gal)
Standard Oil Change Interval (pipeline quality fuel gas)	750 Hours
Coolant Capacity	55 L (14.5 US Gal)
Radiator	Skid-mounted with engine driven pusher fan
Exhaust	Catalyst equipped, SCAQMD compliant with pre and post 02 sensors and silencer

FUEL / IGNITION / ELECTRICAL

Fuel System	E-Controls
Fuel Supply Pressure	1 PSI at 2.0" NPT inlet, external regulator required
Ignition	Coil on plug
Engine Control Module	E-Controls 4G
Starting / Charging	24V

PACKAGE

Base Skid	Heavy-duty steel, fully welded design with fluid containment, forklift pockets
Enclosure	Sound attenuated, 4 access doors

ESTIMATED FUEL CONSUMPTION

Break Specific Electrical Efficiency	12,200 BTU/kW

WP13NG-US
NATURAL GAS

ALTERNATOR

Make / Model	Stamford / HCI434D
Rating (480V)	
150°C Standby	320kWe / 400kVA
125°C Prime	300kWe / 375kVA
105°C Prime	276kWe / 345kVA
Insulation	Class H
Excitation / AVR	PMG / MX341
Leads / Winding / Hz / RPM / Phase / PF / Protection	12 / 311 / 60 / 1800 / 3 / 0.8 / IP23
Rotor	Single bearing
Circuit Breaker	400A

CONTROLLER

Make / Model — **Deep Sea / DSE7310**

- 4-Line back-lit LCD text display
- Five key menu navigation
- Front panel editing with PIN protection
- LED and LCD alarm indication
- Customizable status screens
- Power save mode
- Support for up to three remote display units
- 9 configurable inputs
- 8 configurable outputs
- Flexible sender inputs
- Configurable timers and alarms
- 3 configurable maintenance alarms
- Multiple date and time scheduler
- Configurable event log (250)
- Control logic facilities
- Easy access diagnostic page
- CAN and Magnetic Pick-up/Alt. sensing
- Fuel usage monitor and low fuel alarms
- Charge alternator failure alarm
- Manual speed control (on compatible CAN engines)
- Manual fuel pump control
- Engine exerciser
- "Protections disabled" feature
- kW overload protection
- Power monitoring (kW h, kVAr, kV A h, kVAr h)
- Load switching (load shedding and dummy load outputs)
- Unbalanced load protection
- Independent Earth Fault trip
- True dual mutual standby with load balancing timer
- USB connectivity
- Backed-up real-time clock
- Fully configurable via DSE Configuration Suite PC software
- Configurable display languages
- Remote SCADA monitoring via DSE Configuration Suite PC software
- User selectable RS232 and RS485 communications
- SMS Messaging (additional external modem required)
- Additional display screens to help with modem diagnostics
- DSENet® expansion compatible