

ENGINE

- Perkins 1106D-E70TTAG4 diesel engine
 - Prime - 198kVA / 158kW @1800 RPM
 - Standby – 220kVA / 176kW @ 1800 RPM
 - 4 Stroke Direct Injection 7.0 L Turbo
 - EPA Tier 3
- 10 gauge steel double wall fuel tank
 - 290 gal. (1160 L) capacity
 - 24.0 hr. run time - 100% load
 - 29.90 hr. run time - 75% load
 - 43.60 hr. run time - 50% load
 - 81.11 hr. run time - 25% load
 - Fuel tank built into skid of generator set
 - 120% Containment
 - Fork lift Pockets
 - Compatible JP5,7,8, NATO F34, 63 and Jet A, A1 with appropriate fuel additive
- Oversized Cooling system
- Radiator and oil drains plumbed to exterior
- Vibration dampers isolate engine/generator from frame
- Perkins Factory dual stage air filter
- Air cleaner restriction indicator
- 60 Hz engine/generator - 50 hertz configuration available
- Electric isochronous governing
- Idle switch programmed in DeepSea panel
- Standard Block Heater Level 1 Cold Weather package for “Hot Start”



GENERATOR

- ECO38 1S4A Mecc Alte "Maux PMG" 300% motor starting capability
 - Brushless
 - 4 pole
 - Class H insulation
- Automatic Voltage Regulation +/- 0.5% with upgraded DER1 voltage regulator

SYSTEM OUTPUTS

- 3 position selector switch with lock out
 - Single phase - 120/240V Zig Zag
 - Three phase - 120/208V Low Wye
 - Three phase - 277/480V High Wye
 - 277/480 Volt, three phase – 238.2 amps standby
 - 120/208 Volt, three phase – 549.6 amps standby
 - 120/240 Volt, Single phase – 358.3 amps standby

SYSTEM CONTROLS

- Deep Sea controller with heated display
 - Backlit LCD display is heated for cold weather application
 - -40°F to 185°F (-40°C to 85°C) operating temperature range
 - Automatic coarse voltage adjustment
 - Integrated fine voltage adjustment
 - Remote communication (RS232 & RS485)
 - Can and Magnetic pick-up sensing
 - Load switching, Load shedding & dummy load outputs
 - Customizable status screen and Multiple date & Time scheduler
 - Remote display support up to 3 units
 - Main utility sensing
 - Configurable Event log
 - PLC Functionality
- Push buttons for easy operation
 - Manual or Auto Start
 - Engine Start
 - Engine Stop/Reset
 - Alarm Mute
 - Operator Screens
 - Home
 - Engine
 - Generator
 - Voltage Adjust
 - Configurable display languages
 - Scrolling Arrows for Diagnostic information
 - Engine diagnostic display
 - Oil pressure
 - Engine temperature
 - Fuel level
 - Battery
 - After treatment inlet/outlet temperature
 - Ash/Soot levels
 - Generator diagnostic display
 - System kW output display
 - Line output & frequency display
 - True dual mutual standby with load balancing timer
- Alarms
 - Warning
 - Shutdown
 - Electrical trip
 - Engine
 - Alarm List - warnings/shutdowns; 250 event history log - date/time stamp
 - Charge Alternator failure alarm

SYSTEM CONTROLS (cont'd)

- kW and kVA overload protection
- Unbalanced load protection
- Fuel level: warning - 15%; shutdown - 5%
- Over speed protection: shutdown - 115%
- Oil pressure: warning - 25 psi; shutdown - 20 psi
- Coolant temperature: warning - 220°F (104° C); shutdown - 230° F (110° C)
- Battery voltage: over - 15VDC; under - 11VDC
- Generator over voltage: warning - 110%; electrical trip - 111%
- Generator under voltage: warning - 87%; electrical trip - 86%
- Generator over frequency: warning - 105%; electrical trip - 110%
- Generator under frequency: warning - 95%; electrical trip - 90%
- 9 Inputs/ 8 outputs
- Multiple date & time scheduler
- Status
- Configuration of controller, firmware and connections
 - DSE configuration Suite PC software
 - Remote Monitoring Capabilities
 - MODBus, USB, Ethernet connections

ELECTRICAL CONTROLS

- Lockable control box door with diagnostics window
- Lockable lug box and Cam-Lock distribution panels
 - Trips main breaker when door is opened
- Output ground connection lug inside above cam locks
- ABB Main breaker with shunt trip
 - T6N 800 UL/CSA TMA 800-8000 3P FF
- Convenience receptacles with individual breakers operable in high wye
 - (2) 120V 20 Amp GFCI duplex outlets - (Nema 5-20R type)
 - (3) 125/250V 50 Amp, 3 pole, 4 wire twist lock (Non-Nema 6369)
- Voltage adjustment integrated into Deep Sea controller
- Deep cycle rated CCA Group 24 battery
- Battery disconnect
- Panel lighting for breakers, lugs and selector switch
- Remote Start Capable
- Battery Charger and Shore Power plug

ENCLOSURE

- Heavy duty rental grade sound attenuated steel enclosure 12 gauge
 - UV & fade resistance, high temperature cured, white polyester powder coat paint
 - Insulated closed cell and baffled
 - 72 db(A) @ 23 ft. (7 m) - prime power
- Fully lockable enclosure including doors and fuel fill
- Emergency stop switch located on outside of enclosure
- Central lifting point
- Operating/safety decals

- Document holder with operating manual including AC/DC wiring diagrams

TRAILER

- DOT approved tail, side, brake, and directional lights - LED
- Transportation tie downs
- Safety chains with spring loaded safety hooks
- 3" (76.2mm) pintle hitch
- Dual 6000 lb. (2727 kg) axles
- 10,000 lb. (4545kg) tongue ag-jack with footplate
- ST225/75R12 Load Rating E tubeless
- Standard 4 pin trailer connector
- License Plate bracket
- Electric brakes with brake away kit

WEIGHTS & DIMENSIONS

- Skid mounted
 - Dry weight: 7524 lbs. (3420 kg)
 - Operating weight: 9670 lbs. (4395 kg)
 - 141.3 x 47.24 x 81.67 (3.590 x 1.20 x 2.074 m)
- Trailer mounted
 - Dry weight: 9075 lbs. (4125 kg)
 - Operating weight: 11220 lbs. (5100 kg)
 - 208 x 81 x 87.75 in. (5.283 x 2.057 x 2.228 m)

WARRANTY

- 2 years/2,000 hours
 - Engines and alternators used in Wanco mobile generators carry a separate manufacturers (OEM) warranty (the "OEM Warranties"), unless otherwise expressly stated. All warranty claims for defects in material and/or workmanship on Wanco product OEM components should be directed through the OEM distributor/dealer network. OEM Warranties may vary and are subject to change. Wanco shall have no liability under OEM warranties

LINE DRAWINGS

Dimensions in inches
(cm)

