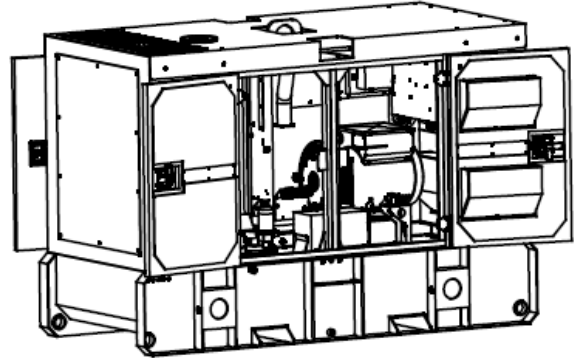


## ENGINE

- Perkins 404D-22TAG diesel engine
  - Prime - 35kVA / 28kW @1800 RPM
  - Standby – 38kVA / 30kW @ 1800 RPM
  - 4 Cylinder 2.2 L displacement
  - EPA Tier 4i Flex
  - Extended warranties available
- 10 gauge steel double wall fuel tank
  - 60.7 gal. (230 L) capacity
  - 29.6 hr. run time - 100% load
  - 40 hr. run time - 75% load
  - 56.7 hr. run time - 50% load
  - 97.1 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

- ECP32-2S/4 Mecc Alte "Maux PMG"
  - Brushless
  - 4 pole
  - Class H insulation
- Automatic Voltage Regulation with upgraded +/- 0.5% DER1 voltage regulator

## SYSTEM OUTPUTS

- 3 position voltage 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 - 42 amps standby
  - 120/208 Volt, three phase - 96 amps standby
  - 120/240 Volt, Single phase - 77 amps standby
  - 120/240 Volt, Three Phase - 84 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 125A main breaker with shunt trip
  - T4N 250 UL/CSA PR221DS-LSI 250 3P FF
- Convenience receptacles with individual breakers operable in high wye
  - (2) 120V 20 Amp GFCI duplex outlets - (Nema 5-20R type)
  - (2) 125/250V 50 Amp, 3 pole, 4 wire twist lock (Non-Nema 6369)
- Voltage adjustment integrated into Deep Sea controller +/- 10%
- Deep cycle rated CCA Group 24 battery
- Battery disconnect switch
- Panel lighting for breakers, lugs and selector switch

## 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
  - 59 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
- 2 in. (50.8 mm) ball hitch or 3 in. (76.2mm) pintle hitch
- 5200 lb. (2359 kg) axle
- 2000 lb. (907kg) tongue ag-jack with footplate
- ST225/75R12 Load Rating E tubeless
- Standard 4 pin trailer connector
- License Plate bracket

## WEIGHTS & DIMENSIONS

- Skid mounted
  - Dry weight: 4025lbs. (1826 kg)
  - Operating weight: 4508 lbs. (2045 kg)
  - 90.5 x 39.5 x 60 (2.299 x 1.0 x 1.52 m)
- Trailer mounted
  - Dry weight: 5000 lbs. (1769 kg)
  - Operating weight: 5483 lbs. (2487 kg)
  - 154 x 65 x 76 in. (3.91 x 1.65 x 1.93 m)
    - Optional removable drawbar feature decrease to 104 in. (2.64 m) length

## 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)

