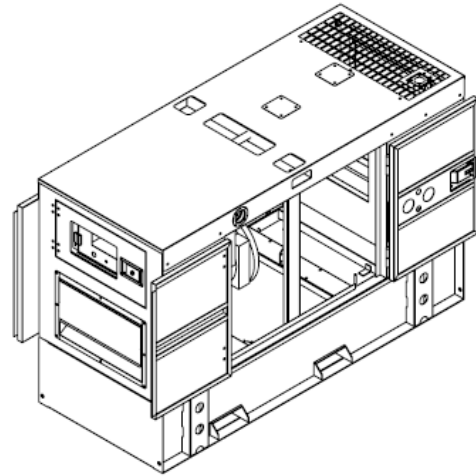


ENGINE

- Perkins 403F-15G diesel engine
 - Prime - 11.9kW, 18.8 hp @1800 RPM
 - Standby – 11.9kW, 18.8 hp,@ 1800 RPM
 - 3 Cylinder 1.5 L displacement
 - EPA Tier 4 Final
 - Extended warranties available
- 10 gauge steel double wall fuel tank
 - 58.2 gal. (220 L) capacity
 - 51.6 hr. run time - 100% load
 - 68.8 hr. run time - 75% load
 - 103.2 hr. run time - 50% load
 - 206.4 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 air filter-single stage
- Air cleaner restriction indicator
- 60 Hz engine/generator - 50 hertz configuration available
- Mechanical isochronous governing
- Idle switch programmed in DeepSea panel



GENERATOR

- ECP28-M4 Mecc Alte "Maux PMG"
 - Brushless
 - 4 pole
 - Class H insulation
- Automatic Voltage Regulation with upgraded +/- 0.5% DER1 voltage regulator

SYSTEM OUTPUTS

- Single Phase
 - Single phase - 120/240V Double Delta
 - 120/240 Volt, Single phase - 58 amps standby

SYSTEM CONTROLS

- Deep Sea controller with heated display DSE6020
 - 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
 - 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%

■ SYSTEM CONTROLS (cont'd)

- 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 viewing window
- Output ground connection lug inside above cam locks
- ABB main breaker
 - T2S 100UL/CSA TMF100-1000 3P FF
- Convenience receptacles with individual breakers operable in double delta
 - (2) 120V 20 Amp GFCI duplex outlets - (Nema 5-20R type)
 - (1) 120V 30 Amp, Recreation vehicle (Nema TT-30R straight blade)
 - (1) 240V 30 Amp, Twist lock (Nema L6-30R)
 - (1) 120V 50 Amp, Spike (Nema Non-Nema, 2P, 3W, Flush mount Locking)
- Voltage adjustment integrated into Deep Sea controller +/- 10%
- Weather cover for outlets with convenient rubber strip
- Deep cycle rated CCA Group 24 battery
- Battery disconnect switch

ENCLOSURE

- Heavy duty rental grade sound attenuated galvanized 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 inside
- 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. (pintle)
- 3500 lb. (1590.9 kg) torsion axle

- Mounted front wheel jack to chassis
- ST225/75R12 Load Rating E tubeless
- Standard 4 pin trailer connector
- License Plate bracket

WEIGHTS & DIMENSIONS

- Skid mounted
 - Dry weight: 1620 lbs. (726.4 kg)
 - Operating weight: 2040 lbs. (927.3 kg)
 - 71.6 x 31.5 x 50.75 (1.81 x 0.8 x 1.29 m)
- Trailer mounted
 - Dry weight: 2020lbs. (918.2 kg)
 - Operating weight: 2440 lbs. (1109.1 kg)
 - 154.7 x 55 x 76 in. (3.93 x 1.40 x 1.93 m)
 - Optional removable drawbar feature decrease to 99 in. (2.51 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)

