

WSP140 WANCO SILENT POWER DIESEL GENERATOR

100kW 60Hz 3-Phase/Single phase Selectable Voltage Mobile Diesel Generator Set

ENGINE

Perkins 1204J-E44TTAG2 4.4L Diesel

- EPA Tier 4 Final / EU Stage V
- EPAK engine
- DOC+DPF+SCR
- Full electronic governing and fuel injection
- SAE J1939 diagnostic messaging via CANbus
- Oversized radiator for maximum cooling
- 150A 12VDC charge alternator

ALTERNATOR

Stamford UCI274D Industrial grade alternator end

- Long life 1800rpm 4-pole single-bearing design
- 12-Leads for Selectable Voltages
- Brushless excitation with PMG boost for 300% motor starting current
- Class H insulation
- Digital Automatic Voltage Regulator (AVR) with adjustable voltage
- <5% total harmonic distortion

MAIN CIRCUIT BREAKER

ABB Industrial 3-Pole Trip Unit with Shunt Trip Module

Full Generator Set protection regardless of voltage mode

VOLTAGE SELECTOR SWITCH for Instant Voltage Changes

- 480/277VAC 3-Phase 150.4 Amps per Phase Prime at .8 Power Factor
- 208/120VAC 3-Phase 347.0 Amps per Phase Prime at .8 Power Factor
- 240/120VAC Single Phase 316.7 Amps Prime

POWER CONNECTIONS

Protected by Main Circuit Breaker

- Leviton Series 16 400A Female Camlocks (L1, L2, L3, N, G)
- Copper Lugs for connecting stripped leads (L1, L2, L3, N, G)

Receptacles Protected by Individual Circuit Breakers

- 2x 120V 20 Amp GFCI duplex outlets (NEMA 5-20R)
- 3x 120/240V 50 Amp locking (CS6369)

Battery Charger 12V 5Amps

SYSTEM CONTROLLER

Deep Sea Electronics DSE7320MkII Digital Controller

- Backlit and heated LCD display for 24/7 all-weather operation
- -40°F to 185°F (-40°C to 85°C) operating temperature
- Configurable event log
- Displays engine SPN/FMI diagnostic messaging
- Programmable PLC for adding custom functionality
- Manual or Automatic starting
- Operator-selectable information screens
- Programmable exercise scheduler

Engine Information

- Engine speed
- Fuel Level
- Battery / Charge Alternator voltage

Alternator Information

- kW and kVA power output
- Line currents
- Line-to-line and line-to-neutral voltages
- Frequency

Selectable Alarm Levels - Indication, Warning or Shutdown

- kW and kVA overload
- Overcurrent with programmable IDMT curve
- Short circuit with programmable IDMT curve
- Under/over voltage with programmable delay
- Under/over frequency with programmable delay
- Low/High fuel level
- Over speed
- Battery voltage
- Charge alternator failure

ENCLOSURE

Rental-grade 12ga galvanized steel with UV resistant polyester powder coat

- Sound attenuated with inlet baffles and fire-resistant acoustic foam
- Lockable control box door with diagnostics viewing window
- Key- or pad-lockable enclosure including fuel fill
- Vibration dampers isolate engine/generator from the enclosure
- External JIC10 fuel supply/return connections
- Internal/external fuel selector valve
- Fuel, oil and coolant drains plumbed to exterior
- Battery disconnect switch
- Emergency stop switch
- Voltage adjustment rheostat
- Fork lift pockets
- Central lifting point
- Document holder with operating manual

SKID FUEL TANK

10ga double wall, 100% pressure tested before shipment

- 110% Containment with drain
- 180 gal. (681 L) capacity
 - 26 hr. run time - 100% load
 - 34 hr. run time - 75% load
 - 49 hr. run time - 50% load
 - 96 hr. run time - 25% load
- 7.4 gal. (28 L) DEF tank sized to match diesel runtime

TRAILER

Welded Steel C-Channel Construction

- Electric brakes with battery backup
- Torsion axle
- DOT approved LED tail, side, brake, and directional lights
- Transportation tie downs
- Safety chains with spring loaded safety hooks
- 3 inch pintle ring
- Rugged A-frame hitch structure
- ST225/75R15 load rating E tubeless tires
- Standard 7-pin round connector
- Illuminated license plate bracket

WEIGHTS & DIMENSIONS

Skid Mounted

- Dry weight: 5800 lbs. (2630 kg)
- Operating weight: 7060 lbs. (3200 kg)
- 134 x 46 x 86 in. (340 x 117 x 219 cm)

Trailer Mounted

- Dry weight: 7090 lbs. (3220 kg)
- Operating weight: 8350 lbs. (3790 kg)
- 202 x 78 x 105 in. (513 x 198 x 267 cm)

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.