

BILL OF MATERIALS

Cat Standard Features and options

Generator and Attachments

- Synchronous, 2/3-pitch, random wound
- Class H insulation with class H temperature rise
- IP23 protection
- Automatic voltage regulator, steady state
- Flywheel and housing
- Self-excitation generator
- AREP excitation generator
- Single element air cleaner

Engine Control System

- Electronic isochronous governor
- Safety shutoffs for low oil pressure, high water temperature and over speed

Control Panel and Instrumentation

- EMCP 3.2 Auto start/stop control panel
- Upgraded to NFPA 110
- Engine cycle crank and cool down timer
- Alarm acknowledge
- Digital Monitoring: RPM, Hours, Volts, Amps
- Voltage adjust potentiometer
- Emergency stop pushbutton
- Local alarm horn with mute
- Contacts for common fault alarm signal
- Contacts for generator set run signal
- Low coolant temperature alarm
- Low coolant shutdown circuit
- Low coolant level sensor
- Low fuel level alarm
- High fuel level alarm

Protection System

- 400 AF, 3-pole, 80% rated U.L. listed, main line circuit breaker
- Auxiliary contracts and shut trip
- 400amp Load Connection box

Exhaust System

- Exhaust manifold, dry tape
- Critical grade silencer system internally incorporated within the enclosure

Fuel System

- 24 gallon, dual wall, UL listed, sub base fuel tank
- Fuel filter with integral fuel water separator

Mounting and Enclosures

- Formed steel base frame
- Linear vibration isolation, zone 4 approved, installed between generator set and base rails
- Sound attenuated, weather protective enclosure rated at xx dBA @ 23'ft in free form field

Enclosure color – CAT yellow with black base and tank
Genset color – CAT yellow with gloss black radiator, base and tank
Dual axle trailer

Starting and Charging System

12v Starting system
Lead acid starting battery (ies) – 12 volt with rack and cables
UL listed, 10 amp battery charger
Alternator 12 volt

Cooling System

Radiator, engine mounted, with blower fan, 50 degrees C ambient
Fan guard
Coolant heater – 120 volt
Coolant drain valve and line
Initial fill of Caterpillar Extended Life coolant

Lube System

Lube oil drain
Initial fill of lube oil
Oil cooler
Crankcase fumes disposal lines

Documentation and Labor

UL 2200 listed package generator set
Pre-certified with SCAQMD, permit to be files by the owner
EPA certified Tier III diesel engine
Factory test reports
Operation and maintenance manual
2-year standard warranty
Delivery to jobsite, offload by others