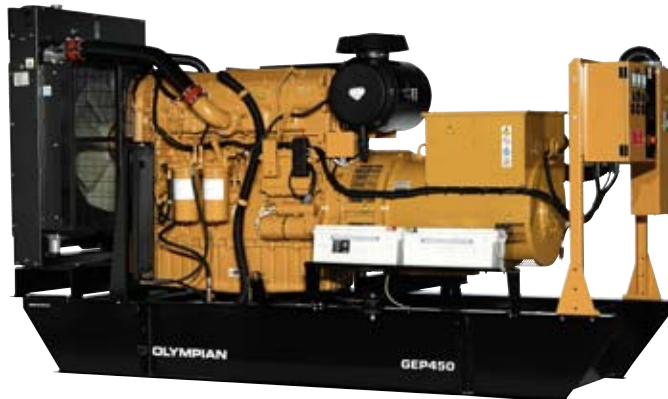


Exclusively from your Caterpillar® dealer



## GEP450-2 (3-Phase)

**50 HZ**

**STANDBY 450 kVA / 360 kW**

**PRIME 400 kVA / 320 kW**

### FEATURES

#### GENERATOR SET

- Complete system designed and built at ISO9001 certified facility
- Factory tested to design specifications at full load conditions
- Fully engineered with a range of options and accessories

#### ENGINE

- Industrial water cooled diesel engine
- Isochronous electronic speed control
- Electrical system, 24 VDC
- Cartridge type fuel and oil filters
- Air filter
- Lube oil drain valve
- Battery(ies), rack and cables

#### ALTERNATOR

- Self excited brushless alternator
- Insulation system, class H
- Drip proof generator air intake (IP23)
- Electrical design in accordance with BS5000 Part 99, IEC60034-1, VDE0530, UTE51100

#### CONTROL SYSTEM

- PowerWizard 1.0 control panel
- Vibration isolated sheet steel enclosure with hinged lockable door

#### MOUNTING ARRANGEMENT

- Heavy-duty fabricated steel base with lifting points
- Anti-vibration pads to ensure vibration isolation
- Engine coupled to generator with flexible disc coupling
- Baseframe incorporates heavy-duty fabricated steel fuel tank, 8 hours running capacity

#### EXHAUST SYSTEM

- Heavy duty industrial capacity exhaust silencer (approximately 10 dB reduction) supplied loose

#### COOLING SYSTEM

- Standard ambient temperatures up to 50° C (122° F)
- Fan, fan drive and charging alternator fully guarded
- Coolant drain valve
- Antifreeze protection coolant

#### CIRCUIT BREAKER

- 3-pole molded case circuit breaker (mccb)
- Vibration isolated sheet steel enclosure with removable cover plate
- Outgoing cable stub-up area directly below circuit breaker

#### AUTOMATIC VOLTAGE REGULATOR

- Voltage regulation  $\pm 0.5\%$
- Provides fast recovery from transient load changes

#### EQUIPMENT FINISH

- All electroplated hardware
- Anticorrosive paint protection
- High gloss polyurethane paint for durability and scuff-resistance

#### QUALITY STANDARDS

- BS4999, BS5000, BS5514, IEC60034, VDE0530

#### DOCUMENTATION

- Operation and maintenance manuals provided
- Wiring diagrams included

#### WARRANTY

- All equipment carries full manufacturer's warranty

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**OPTIONAL EQUIPMENT\***

<b>Engine</b>	Lube oil drain pump High lube oil temperature shutdown
<b>Generator</b>	Anti-condensation heater Quadrature droop upgrade Permanent magnet generator (PMG) AREP Excitation system
<b>Cooling System</b>	Coolant heater Low coolant temperature alarm Low coolant level shutdown Radiator transition flange Coolant drain
<b>Fuel System</b>	Extended capacity metal basetank Manual fuel pump Low fuel level shutdown Low fuel level alarm Fuel transfer systems Manual bypass valve
<b>Silencer System — Open Unit</b>	Level 2 silencer with mounting kit (approximately 25 dB reduction) Level 3 silencer with mounting kit (approximately 35 dB reduction) Overhead mounting kit for level 1 silencer Level 1, 2 and 3 silencer installation kits
<b>Enclosures</b>	Sound attenuated canopy
<b>Handling/Trailers</b>	Oil field skid
<b>Controls</b>	Baseframe mounted terminal box instead of control panel 6000 Series digital synchronising control panels PowerWizard 2.0 control panel
<b>Remote Annunciators</b>	PowerWizard annunciator
<b>Circuit Breaker</b>	Upgrades from 3-pole to 4-pole breaker
<b>Transfer Switches</b>	TM Series manual load transfer panels TC Series automatic load transfer panels ATI Series load transfer panels
<b>Certification</b>	European CE certification

\*Some options may not be available on all models.  
 Not all options are listed.

Consult your Olympian representative for more information







