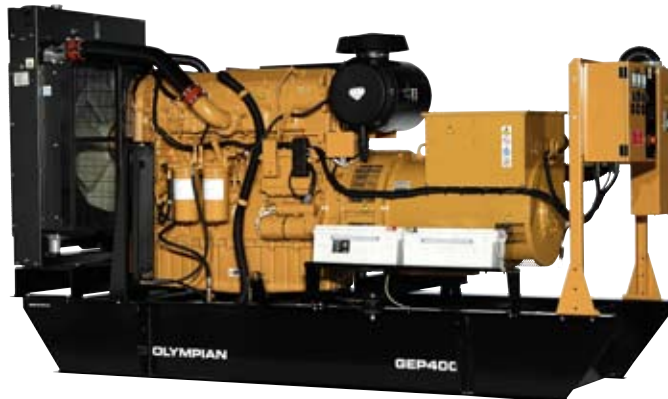


Exclusively from your Caterpillar® dealer



GEP400-2 (3-Phase)

50 HZ

STANDBY 400 kVA / 320 kW

PRIME 350 kVA / 280 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*

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

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

Consult your Olympian representative for more information

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SPECIFICATIONS

ALTERNATOR

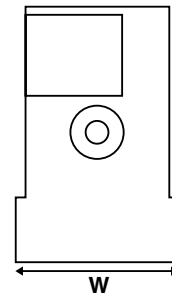
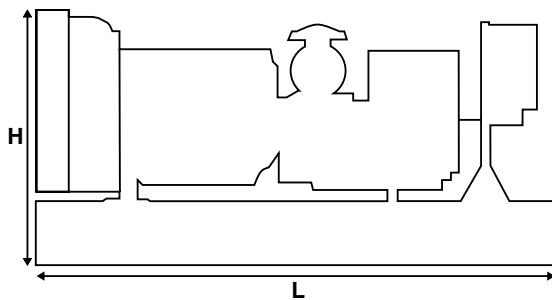
Make Olympian
 Model LL6114B
 Type Self-excited, brushless
 Voltage regulation ±0.5% at steady state from
 no load to full load
 Frequency ±0.25% for constant load from
 no load to full load
 Waveform distortion THD <2%
 Radio interference Compliance with EN61000-6
 Telephone Interference TIF <50, THF <2%
 Overspeed limit 2250 rpm
 Insulation Class H
 Temperature rise Within Class H limits
 Deration Consult factory for available outputs

ENGINE

Manufacturer Perkins
 Model 2306C-E14TAG2
 Type 4-Cycle
 Aspiration Turbocharged air to air charge cooled
 Cylinder configuration In-line 6
 Displacement — l (cu in) 14.6 (890.9)
 Bore/stroke — mm (in) 137 (5.4) / 165 (6.5)
 Compression ratio 15.9:1
 Engine speed — rpm
 50 Hz 1500

Piston speed — m/sec (ft/sec)
 50 Hz 8.3 (27.2)
 Maximum power at rated rpm — kW (hp)
 Standby
 50 Hz 353 (473)
 Prime
 50 Hz 313 (420)
 BMEP — kPa (psi)
 Standby
 50 Hz 1935 (280.7)
 Prime
 50 Hz 1716 (248.9)
 Regenerative power — kW (hp)
 50 Hz 24.0 (32.2)
 Governor
 Type Electronic
 Class ISO 8528 G2

GENERATOR SET DIMENSIONS AND WEIGHTS



Model	Length mm (in)	Width mm (in)	Height mm (in)	Weight* kg (lb)
GEP400-2	3601 (141.8)	1110 (43.7)	2070 (81.5)	3366 (7421)

Note:- General configuration not to be used for installation. See general dimension drawings for detail.

*Includes oil and coolant

Consult your Olympian representative for more information

