

OLYMPIAN™

NEXT GENERATION

EXCLUSIVELY FROM YOUR CAT® DEALER

Diesel Generator Sets

26-200 KVA





THE NEXT GENERATION OLYMPIAN™ FEATURES SEVERAL KEY DESIGN AND PERFORMANCE ENHANCEMENTS, IMPROVEMENTS TO ITS ENCLOSURES, ITS RUNNING TIME AND ITS DURABILITY.

The Olympian™ range of generator sets provides reliable energy solutions for every business, every need. Prime power or standby service, diesel fuel generator sets deliver dependable, clean, economical power – even in the most demanding conditions – and are available in a wide range of configurations with optional equipment.

Olympian generator sets are designed, engineered and manufactured for optimal performance.

All major components are tested individually; once assembled, the entire unit is tested at and above 100% of rated load for safety and operation.

These complete, ready-to-run packages have another distinct advantage: They all come with the comprehensive service and support of Cat® dealers – beginning with prompt delivery and ongoing support throughout the life of the generator set.

The new Olympian™ offers a sleek modular design common across the range with a compact self-contained generator that is easier to own and operate. Construction enhancements begin with a smartly redesigned tank base with spill containment as standard, which has an industry leading, compact installation footprint.

RUNNING TIME

Redesigned fuel tank always delivers eight hours of performance at 100% of rated load in prime applications while meeting the strictest environmental regulations required today.



MODULAR DESIGN

In segmenting our generators into smaller modular parts, customers can more easily upgrade their specifications.



INSTALLATION FOOTPRINT

For lower installation costs through smaller, more compact, generator installation rooms.



Olympian's weather-protective and sound-attenuated enclosures deliver superior durability, security and convenience. Construction begins with corrosion-resistant galvanized steel components and is finished with scratch- and rust-resistant powder-coated paint along with robust composite components. For safety and security, the control panel viewing window and access doors for the fuel fill and battery are lockable. Finally, installation and service are made easy by oversized hinged or lift-off doors and cable access, as well as purpose-designed dragging points in the base and a single-point lifting eye.

NOISE ABSORBENT MATERIALS

Smart design and noise absorbent materials help make our generators among the quietest on the market.



INTERNAL EXHAUST SILENCER SYSTEM

The internal silencer system enhances generator set safety, aesthetics and silencer life. Hot exhaust pipes stay out of reach and the silencer stays out of the elements.

SOUND ATTENUATION

Sound attenuated (typically less than 65 dBA@ 7 meters/95 L_{WA}) enclosures are available.

CONVENIENT ACCESS

To allow for faster, easier maintenance, all regularly serviced parts are located on one side and covered by oversized hinged or lift-off doors. A tower control panel with a full height hinged door and removable gland plate allows full access to cable from both vertical and horizontal locations with eight times outside diameter bend radius. Fuel pipe installation is through dedicated access holes located on the same side as fuel transfer for remote bulk tank, as well as base frame drag points and an internal single-point lift to allow for easy handling.



CORROSION AND DAMAGE RESISTANCE

Highly corrosion-resistant galvanized steel construction provides a long-lasting exterior finish. The new Olympian™ also features zinc phosphate and polyester powder coating, corner posts and air-handling units composed of high-grade composite material.



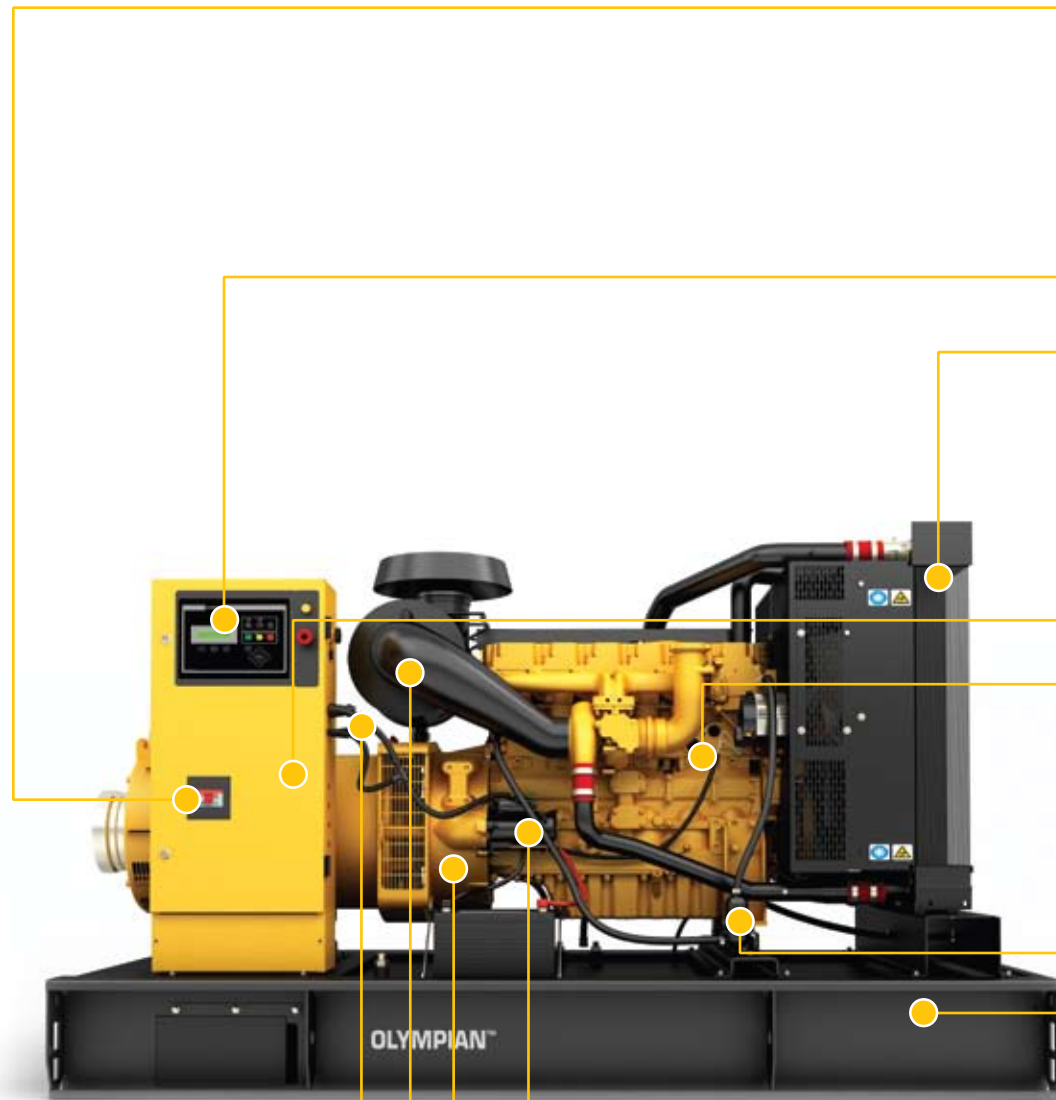
STANDARD FEATURES*

- Engine lubricating oil
- Antifreeze/corrosion inhibitor coolant fill
- Steel tank base with drip tray, lifting and dragging points
- Vibration isolators between engine/generator mounts and tank base
- New improved starting battery(ies)
- Battery charging alternator
- Enlarged battery rack and cables, installed on tank base
- Exhaust silencer
- Main-line circuit breaker
- 1002T key-start panel (up to 88 kVA)
- Factory tested to full load specifications
- Full protective guarding with access hatches
- Oversized electrical stub-up area directly below circuit breaker
- Emergency stop
- Digital auto-start panel (100 kVA and above)
- Isochronous electronic governor (100 kVA and above)
- Coolant and lube drains piped to edge of base

OPTIONAL FEATURES*

- Enclosures, weather protective and sound-attenuated, with common key
- Isochronous electronic governor (below 88 kVA)
- Extended capacity fuel tanks, up to 12 hours run time
- Static battery chargers
- Jacket water heater
- Engine lubricating oil drain pump
- Higher-level exhaust silencers
- Generator anti-condensation heater
- Generator excitation: permanent magnet
- Control systems, remote monitoring, digital metering, multiple alarms/shutdowns, auto-start to utility
- Remote annunciators
- Remote monitoring and control
- 4-pole circuit breaker options

*Not all features and options listed



CIRCUIT BREAKERS

Fully rated mainline circuit breaker housed in vibration-isolated sheet steel enclosure, with removable cover plate, mounted integrally with generator set. Oversized electrical stub-up area is located directly below circuit breaker and can be terminated both vertically and horizontally.

GUARDS

Features complete heavy-gauge steel guarding with access hatches to all rotating parts, including cooling fan, charging alternator and drive belts. Optional exhaust manifold and turbocharger guards are also available, if required.

ENGINE

Reliable Perkins diesel engines power these Olympian generator sets that deliver industry leading fuel efficiency and product life, while meeting current emissions standards. Industrial capacity (approximately 10 dBA reduction) engine silencer is supplied loose. Service points are positioned for safe, easy access. All generator sets are shipped with engine oil and coolant.

TANK BASE

Tank base incorporates enhanced lifting and mounting points. Anti-vibration pads affixed between the engine/generator feet and base isolate rotating parts. Welded steel tank base is standard on the 26 to 200 kVA range. Optional extended capacity tank is available.

GENERATOR

Advanced Olympian self-exciting, self-regulating brushless generators are built for extended, dependable life. Features include fully interconnected damper windings, cooling systems, sealed bearings, 12-wire reconnection capability (on 3-phase generators), Class H insulation and 2/3 pitch with THF <2% and TIF <50.

WIRING

DC-engine wiring and AC-generator wiring are separated and contained within individual fluid-resistant looms. Each loom terminates at control panel with industrial-grade multi-pin connector. Mechanically held plug and socket attachments provide fast, convenient inspection and replacement of systems. Looms are "keyed" to prevent incorrect installation.

CONTROL PANEL

Standard control panel is fully equipped with all necessary engine gauges, AC meters and warning lamps. Key-start panel is standard for sets to 88 kVA. Auto-start panel is standard on 100 kVA sets and above.

VOLTAGE REGULATOR

Fully sealed regulator accurately maintains load voltage at $\pm 0.5\%$ from no load to full load.

VIBRATION ISOLATORS

Rubber pad anti-vibration mountings isolate tank base and control tower from engine/generator assembly.

STARTER MOTOR, ALTERNATOR, BATTERIES AND CABLES

All generator sets include a new industry leading high-capacity, maintenance-free battery, battery rack (mounted on the tank base) and heavy-duty interconnecting cables with terminations.

FILTERS

Cartridge-type, heavy-duty, industrial-quality air filters include a service indicator. Oil and fuel filters are replaceable canister-type.



OLYMPIAN™ GENERATOR SETS OFFER A COMPLETE LINE OF KEY-START AND AUTOMATIC-START CONTROL PANELS —

equipped with many operational and protection features not generally offered on comparably sized systems. Optional instrumentation, shutdowns/alarms and state-of-the-art communication for remote monitoring and control are also available. Control panels offer the modular flexibility of being easily interchanged, with similar dimensions and hardware.

They allow for open protocol communication to ensure remote monitoring compatibility with most building management or supervisory control systems. Up to eight generator sets may be controlled using virtual computer screen control panels, generated by Olympian software.



1002T ANALOG KEY-START CONTROL PANEL



POWERWIZARD 1.1

Digital control panel with basic protection

POWERWIZARD 1.1+

Digital control panel with advanced protection

POWERWIZARD 2.1

Digital control panel with advanced protection and remote communications

Olympian™ diesel generator sets range from 26 to 200 kVA. The reliable power that Olympian generator sets produce is matched only by the power that backs them. More than 1,800 Cat® dealer outlets in 200 countries are equipped with everything you need, from installing and configuring your Olympian generator set to maintaining peak performance for the life of the product. System selection assistance, equipment training, parts, service expertise and maintenance programs are available wherever and whenever you need them.



If you would like some
more info about me or to
find your nearest dealer,
go to olympianpower.com.



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