

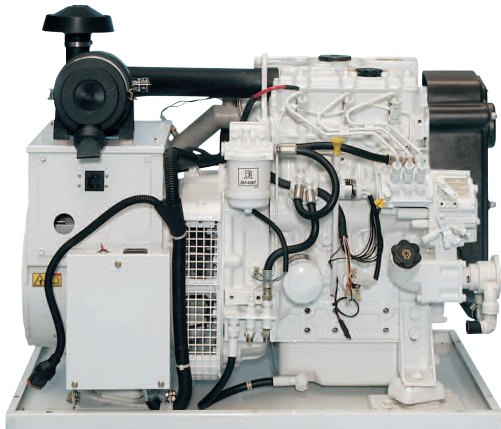


Marine Generator Set

C1.5



Image may not reflect actual engine.



- Three Phase
 - 14.5 kW (60 Hz) @ 1800 rpm
 - 12.0 kW (50 Hz) @ 1500 rpm
- Single Phase
 - 13.5 kW (60 Hz) @ 1800 rpm
 - 11.0 kW (50 Hz) @ 1500 rpm

The Caterpillar® C1.5 is the second in a new range of clean, quiet, compact, and smooth running generator sets. This range of small gen sets provides customers with a **more comprehensive power offering**, enabling them to enjoy the benefit of dealing with one supplier for both propulsion and auxiliary power.

SPECIFICATIONS

I-3, 4-Stroke-Cycle-Diesel

- Emissions Tier II Compliant
- Displacement 1.5 L (91 cu in)
- Bore 84 mm (3.31 in)
- Stroke 90 mm (3.5 in)
- Compression Ratio 22.5:1
- Combustion Indirect Injection
- Aspiration Natural
- Governor Electrical Isochronous
- Cooling System Heat Exchanger
- Weight (approx. dry)
 - Single Phase Open Set 319 kg (703 lb)
 - Three Phase Open Set 332 kg (732 lb)
 - Single Phase Enclosed Set 368 kg (811 lb)
 - Three Phase Enclosed Set 412 kg (908 lb)
- Oil Change Interval 500 hours
- Fuel consumption
 - 1800 rpm 4.5 L/hr (1.2 US gal/hr)
 - 1500 rpm 3.8 L/hr (1.0 US gal/hr)

FEATURES

Compact, Efficient Power
This compact unit provides required power on demand, operating very efficiently with optimum performance.

Quiet, Clean Power
The 3 cylinder naturally aspirated engine operates with little vibration and low sound levels. Available as an open set or with a sound enclosure, this package is ideal for power requirements in any application.

Reliable Power
Low operating and maintenance costs are achieved through excellent fuel economy and a minimum of required maintenance. The single side servicing with extended service intervals makes maintenance easy.

The two-year or 2,000-hour warranty covers parts and labor for non-revenue producing installations with an additional three years coverage on all major components. The standard one-year warranty covers commercial applications. A network of worldwide dealers and distributors provides service support.

STANDARD EQUIPMENT

Air Inlet System

Air cleaner, single element canister type with rain cap (open gen set only)

Cooling System

Belt-driven centrifugal jacket water pump, heat exchanger, gear-driven seawater pump, expansion tank

Exhaust System

Watercooled exhaust manifold and elbow

Generator

12 lead re-connectable (three phase), 4 lead re-connectable (single phase), brushless, separately excited from auxiliary winding (three phase), shunt excited (single phase), 2/3 pitch, IP23 water protection, solid state voltage regulator with integral voltage adjustment potentiometer, class H insulation, automatic voltage regulation $\pm 0.5\%$, connection poles

Starting/Charging System

12 or 24 volt electric starting motor, 12 volt 55 amp alternator

Lube System

Lubricating oil, oil filter (RH), dipstick (RH), fumes disposal (closed system)

Mounting System

Anti-vibration mounts, connected to drip tray and steel base sitting on PVC foam sound-absorbent pad

Protection System

Electronic automatic safety shutdown for low oil pressure, high water temperature, high exhaust temperature, and overspeed

OPTIONAL ATTACHMENTS

- Sound attenuated enclosure
- Deluxe instrument panel
- Basic instrument panel
- Remote instrument panel extension harness
- AC circuit breakers
- Flexible fuel lines
- Primary fuel filter/water separator
- Siphon break
- Keel cooling kit
- Exhaust system components
- Oil drain pump
- Insulated electric system

SOUND LEVELS

Enclosed Set

65.6 dB(A) @ 1500 rpm

68.2 dB(A) @ 1800 rpm

Open Set

80.0 dB(A) @ 1500 rpm

82.2 dB(A) @ 1800 rpm

(All levels are the average Sound Pressure Level at 1 meter and 100% load.)

DIMENSIONS

Single Phase Enclosed Set

Length	1021 mm	(40 in)
Width	608 mm	(24 in)
Height	710 mm	(28 in)

Three Phase Enclosed Set

Length	1170 mm	(46 in)
Width	608 mm	(24 in)
Height	783 mm	(30.8 in)

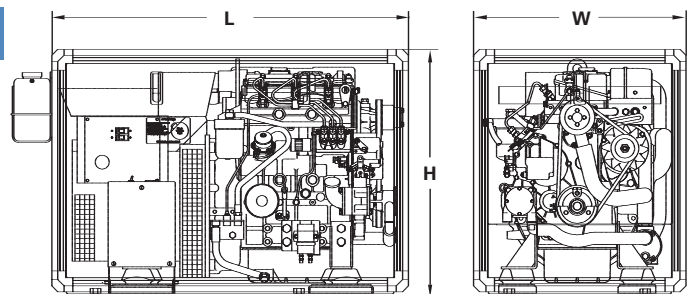
Single Phase Open Set

Length	962 mm	(37.4 in)
Width	533 mm	(21 in)
Height	699 mm	(27.5 in)

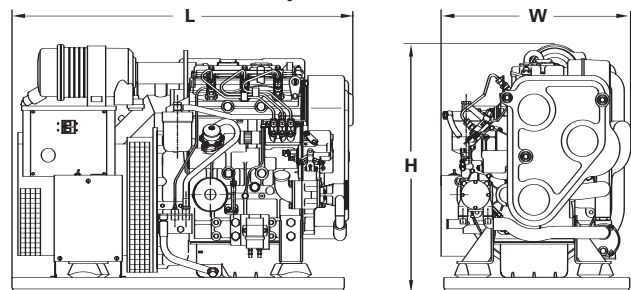
Three Phase Open Set

Length	1065 mm	(41.9 in)
Width	504 mm	(19.8 in)
Height	733 mm	(28.7 in)

Enclosed Set



Open Set



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