Marine Generator Set

C2.2

21.5 ekW (60 Hz) @ 1800 rpm
18.0 ekW (50 Hz) @ 1500 rpm

The Caterpillar® C2.2 is the first 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-4, 4-Stroke-Cycle-Diesel

Emissions ....................... Tier 2 Compliant
Displacement ................... 2.2 L (135 cu in)
Bore .............................. 84 mm (3.31 in)
Stroke ............................ 100 mm (3.94 in)
Aspiration ....................... Natural
Governor ......................... Electrical Ischronous
Cooling System ................. Heat Exchanger

Weight (approx)
Open Set ......................... 389 kg (857 lb)
Enclosed Set ..................... 466 kg (1027 lb)

Refill Capacity
Cooling System .................. 9 L (2.4 US gal)
Lube System ..................... 10.6 L (2.8 US gal)

Oil Change Interval ............. 500 hours
Fuel consumption
1800 rpm ...................... 6.2 L/hr (1.63 US gal/hr)
1500 rpm ...................... 5.2 L/hr (1.37 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 4 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**
Cast aluminum expansion tank and exhaust manifold, triple pass heat exchanger with optional keel cooling, seawater pump with ceramic seals

**Exhaust System**
Watercooled exhaust manifold and elbow

**Generator**
Single phase, brushless, shunt excited, 4 pole, 4 lead re-connectable with Class H insulation, automatic voltage regulation +/-0.5%.
Three phase, brushless, separately excited from auxiliary winding, 4 pole, 12 lead re-connectable with Class H insulation, automatic voltage regulation +/-0.5%.

**Starting/Charging System**
12 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

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**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

**SOUND LEVELS**

**Enclosed Set**
62.6 dB(A) at 1500 rpm
66.5 dB(A) at 1800 rpm

**Open Set**
78.3 dB(A) at 1500 rpm
81.3 dB(A) at 1800 rpm

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

**DIMENSIONS**

**Dimensions (Open Set)**

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<tbody>
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<td>Length</td>
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<td>Width</td>
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<td>Height</td>
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**Dimensions (Enclosed Set)**

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<td>Height</td>
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