



# Marine Generator Set

## C2.2

21.5 kW (60 Hz) @ 1800 rpm  
18.0 kW (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

### 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)

Length	1147 mm	(45 in)
Width	521 mm	(20.5 in)
Height	825 mm	(32 in)

#### Dimensions (Enclosed Set)

Length	1170 mm	(46 in)
Width	608 mm	(24 in)
Height	775 mm	(31 in)

