CATERPILLAR®





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)) !
Open Set	
Enclosed Set)
Refill Capacity	
Cooling System 9 L (2.4 US gal)
Lube System 10.6 L (2.8 US gal)
Oil Change Interval 500 hours	3
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.

LEHM2842-02 Page 1 of 2

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.)

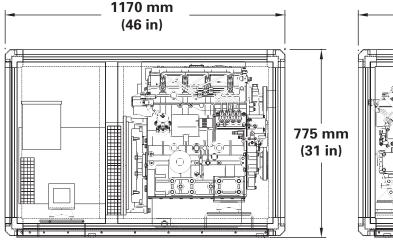
DIMENSIONS

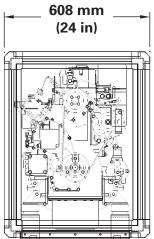
Dimensions (Open Set)

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)





CAT, CATERPILLAR, their respective logos and "Caterpillar Yellow," as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.