

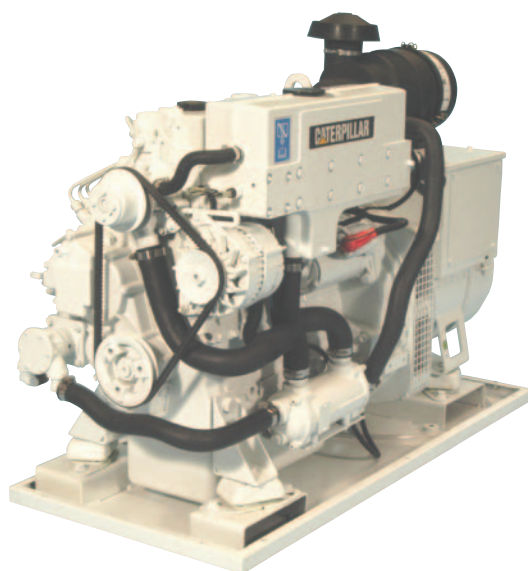


Marine Generator Set

C2.2T

30.0 kW (60 Hz) @ 1800 rpm

24.5 kW (50 Hz) @ 1500 rpm



*The Caterpillar® C2.2T joins the existing range of small, 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	Turbocharged
Governor.....	Electrical Isochronous
Cooling System.....	Heat Exchanger
Weight (approx)	
Open Set	420 kg (926 lb)
Enclosed Set	527 kg (1162 lb)
Refill Capacity	
Cooling System	9 L (2.4 U.S. gal)
Lube System	10.6 L (2.8 U.S. gal)
Oil Change Interval	500 hours
Fuel consumption (at continuous rating)	
1800 rpm	8.5 L/hr (2.25 U.S. gal/hr)
1500 rpm.....	7.1 L/hr (1.88 U.S. 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 turbocharged 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)

Control System

Electronic isochronous governor

Cooling System

Belt-driven centrifugal jacket water pump, gear-driven seawater pump, heat exchanger with copper-nickel tubes, expansion tank

Exhaust System

Watercooled exhaust manifold, watercooled exhaust elbow or dry exhaust flange

Fuel System

Fuel priming pump, energize-to-run (electronic governor)

Generators

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

Lube System

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

Mounting System

Steel base with drip pan, anti-vibration mounts

Protection System

Shutdown, electronic for low oil pressure, high water temperature, high exhaust temperature (wet exhaust only), and overspeed

Starting/Charging System

Insulated DC electric system standard on 12V and 24V DIT

General

Single service side (RH)
English literature

OPTIONAL ATTACHMENTS

Sound attenuated enclosure
Deluxe instrument panel
Basic instrument panel
Remote instrument panel extension harness
Flexible fuel lines
Primary fuel filter/water separator
Siphon break
Keel cooling kit
Exhaust system components

DIMENSIONS

Dimensions (Open Set)

Length	1290 mm	(50.8 in)
Width	553 mm	(21.8 in)
Height	825 mm	(32.5 in)

Dimensions (Enclosed Set)

Length	1297 mm	(51.1 in)
Width	628 mm	(24.7 in)
Height	783 mm	(30.8 in)

