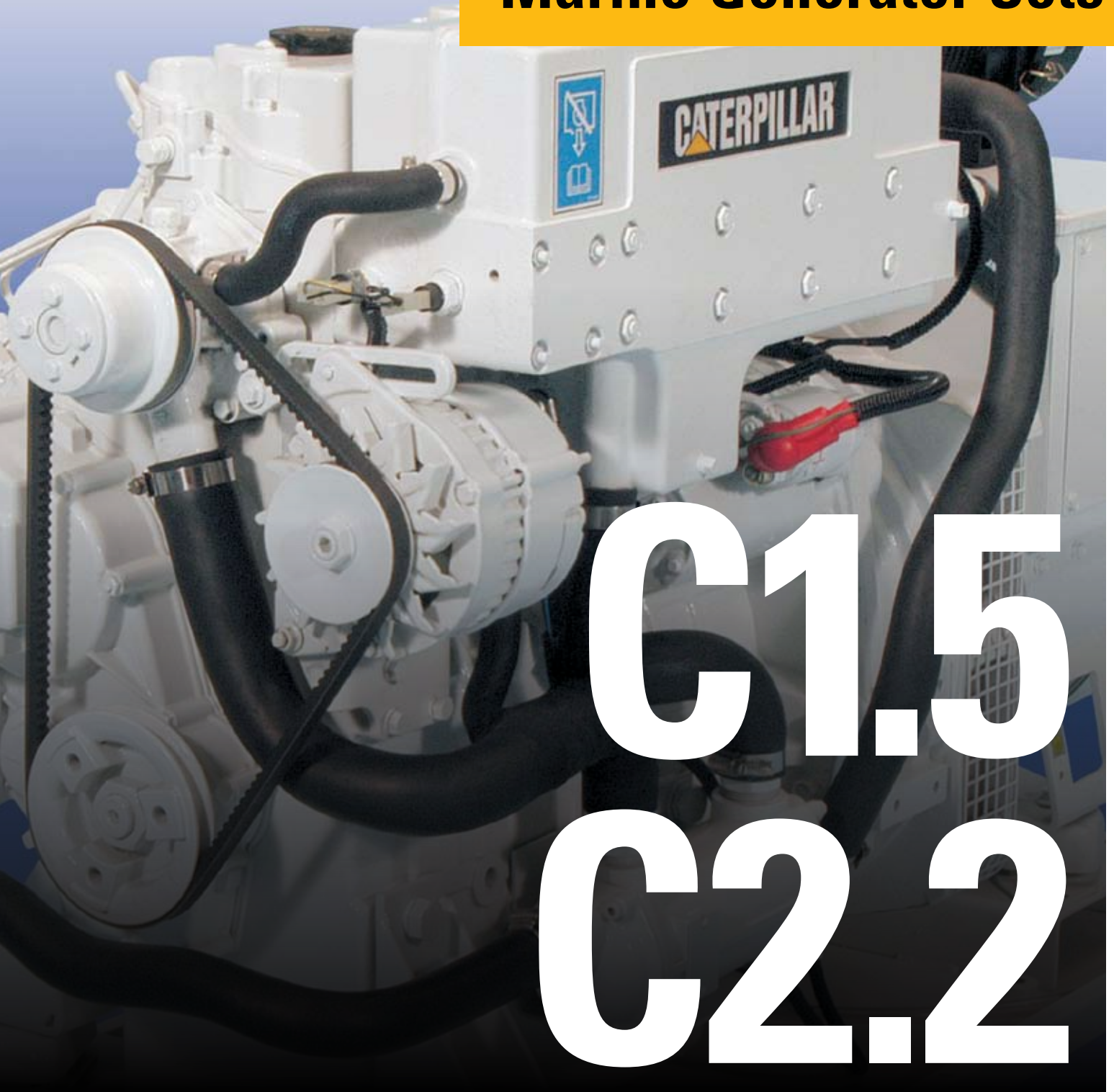


# Marine Generator Sets



**C1.5**  
**C2.2**

**CATERPILLAR®**



# C1.5

When your need for reliable power goes off-shore, put Caterpillar on board. Our experience, our product line, and our commitment in marine power run deep. The Cat® C1.5 generator set will meet your auxiliary power needs up to 14.5 kW, and the latest emission control standards — all with the peace of mind you need out there. And whether your application is a pleasure craft, or a commercial or ocean-going vessel, this compact unit will have a big impact on your voyage — and your bottom line.

## Reliable

- Excellent power quality is suitable for sophisticated equipment
- 100% block loading capability starts big loads (like air conditioning units on pleasure craft or heavy loads in commercial applications)
- Indirect injection system with glow plug enhances cold-weather starting

## Economical

Fuel economy and minimized service needs unite to deliver low operating and maintenance costs.

- Single-side servicing
- 500-hour oil and filter change interval
- ELC for extended cooling system maintenance intervals

## Safe

Automatic safety shutdowns include low engine oil pressure, high fresh water temperature, overspeed, and high exhaust temperature (when fitted with a wet exhaust system).

## Flexible

Available as an open or closed set with heat exchanger or keel cooling



# COMPACT IN SIZE, HUGE ON DEPENDABILITY

## Clean and quiet

- 60 Hz meets EPA Tier 3\*, 50 Hz meets EU 97/68EC Stage II regulations
- Low sound levels — 68.2 dB(A) at 60 Hz, 65.6 dB(A) at 50 Hz
- Integral steel drip pan with base keeps the engine room clean
- Anti-vibration mounts keep vibration levels at a minimum

\*EPA Tier 3 enforced from January 1, 2008 for engines < 37 kW

## 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



**C1.5 Generator Set**



**C1.5 Enclosed Generator Set**

# C2.2



Cat marine power solutions generate more than efficient power. They come with the dependability that only Cat can deliver. When you take our diesel expertise off-shore, you'll set a better course — no matter what your vessel. The compact, lightweight Cat C2.2 generator set will drive your auxiliary power requirements, up to 30 kW, while meeting Tier 3 emission standards\*. There are packages, configurations, and options to meet any marine application need. And, with the unmatched Cat reliability and extended service intervals, you might just forget about your C2.2 generator set. That's true peace of mind.

## Reliable

- Excellent power quality (with standard electronic governor) meets ISO 8528 G3 and supports computers and other sophisticated electronic equipment
- 100% block loading capability starts big loads (like air conditioning units on pleasure crafts or heavy loads in commercial applications)
- Indirect injection system with glow plug enhances cold-weather starting

## Clean and quiet

- Low sound levels
- Meets EPA Tier 3 emission standards\*
- Very low white smoke, with high compression ratio (23:3:1)
- No crankcase fumes due to closed crankcase ventilation system
- Leak-free engine operation

## Easy installation and service

- Flexible installation options, with easily removable panels, single point lift, and front or rear connections
- Plug and play remote instrument panels
- Easy service with removable enclosure panels

## Safe

Automatic safety shutdowns include low engine oil pressure, high fresh water temperature, overspeed, and high exhaust temperature (when fitted with a wet exhaust system).

\*EPA Tier 3 enforced from January 1, 2008 for engines < 37 kW



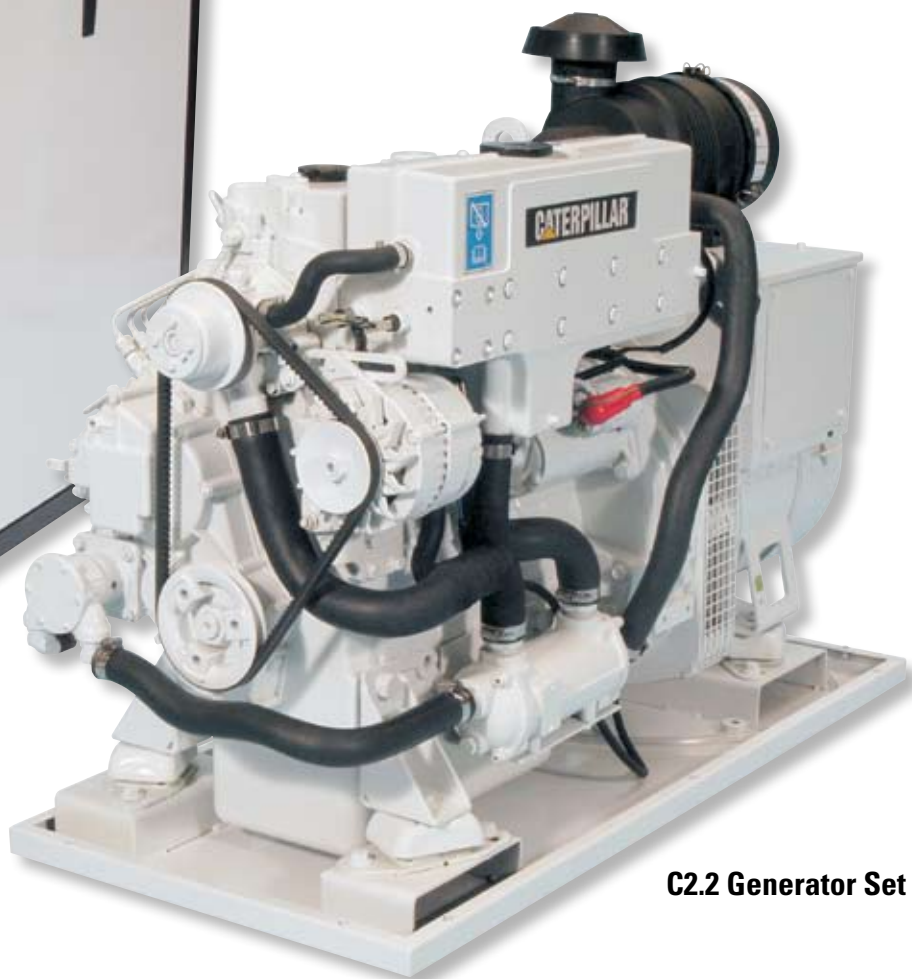
# POWERFUL PEACE OF MIND

## 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
- Factory test certificate



**C2.2 Enclosed Generator Set**



**C2.2 Generator Set**

# SPECIFICATIONS

## C1.5

## C2.2

## C2.2

	I-3, 4-Stroke-Cycle-Diesel.....	I-4, 4-Stroke-Cycle-Diesel.....	I-4, 4-Stroke-Cycle-Diesel.....
Emissions Compliance .....	EPA Tier 3*	EPA Tier 3*	EPA Tier 3*
Displacement — L (cu in).....	1.5 (91)	2.2 (135)	2.2 (135)
Bore — mm (in).....	84 (3.31)	84 (3.31)	84 (3.31)
Stroke — mm (in).....	90 (3.5)	100 (3.94)	100 (3.94)
Aspiration.....	Naturally Aspirated	Naturally Aspirated	Turbocharged
Rotation (from flywheel end) .....	Counterclockwise	Counterclockwise	Counterclockwise

### Fuel Consumption — L/hr (U.S. gal/hr)

#### Full (Continuous) Power

60 Hz at 1800 rpm .....	4.5 (1.2)	6.2-8.5 (1.64-2.25)	6.2-8.5 (1.64-2.25)
50 Hz at 1500 rpm .....	3.8 (1.0)	5.2-7.1 (1.37-1.88)	5.2-7.1 (1.37-1.88)

### Refill Capacity — L (U.S. gal)

Cooling System (engine and expansion tank) .....	8 (2.1)	9 (2.4)	9 (2.4)
Lube Oil System.....	6 (1.6)	10.6 (2.8)	10.6 (2.8)
Oil Change Interval .....	500 hours	500 hours	500 hours

### Dimensions

#### Open Set — Single-Phase

Length — mm (in) .....	962 (37.4)	1147 (45)	1290 (50.8)
Width — mm (in).....	533 (21)	521 (20.5)	553 (21.8)
Height — mm (in).....	699 (27.5)	825 (32)	825 (32.5)
Dry Weight (approx) — kg (lb) .....	319 (703)	389 (857)	420 (926)

#### Open Set — Three-Phase

Length — mm (in) .....	1065 (41.9)	1147 (45)	1290 (50.8)
Width — mm (in).....	504 (19.8)	521 (20.5)	553 (21.8)
Height — mm (in).....	733 (28.7)	825 (32)	825 (32.5)
Dry Weight (approx) — kg (lb) .....	332 (732)	389 (857)	420 (926)

#### Enclosed Set — Single-Phase

Length — mm (in) .....	1021 (40)	1170 (46)	1297 (51.1)
Width — mm (in).....	608 (24)	608 (24)	628 (24.7)
Height — mm (in).....	710 (28)	775 (31)	783 (30.8)
Dry Weight (approx) — kg (lb) .....	368 (811)	466 (1027)	527 (1162)

#### Enclosed Set — Three-Phase

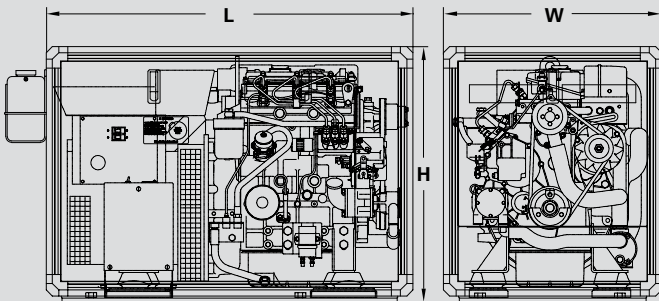
Length — mm (in) .....	1170 (46)	1170 (46)	1297 (51.1)
Width — mm (in).....	608 (24)	608 (24)	628 (24.7)
Height — mm (in).....	783 (30.8)	775 (31)	783 (30.8)
Dry Weight (approx) — kg (lb) .....	412 (908)	466 (1027)	527 (1162)

\*EPA Tier 3 enforced from January 1, 2008 for engines < 37 kW

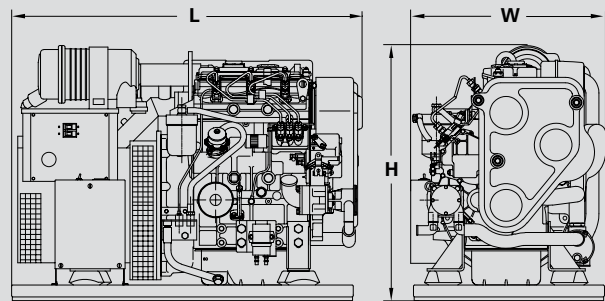
# DIMENSIONS

## C1.5

### Enclosed Set

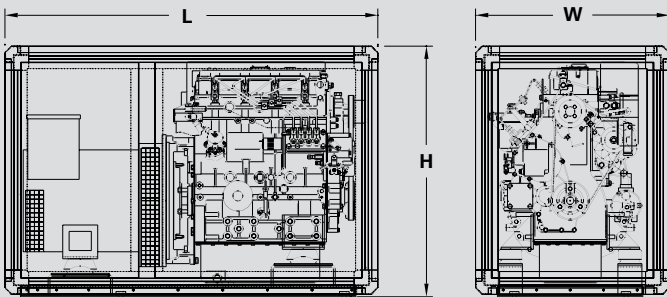


### Open Set

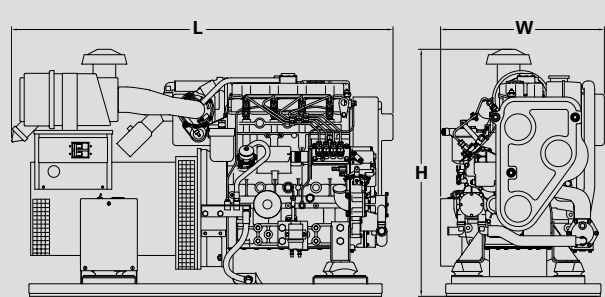


## C2.2

### Enclosed Set



### Open Set



### Models Available (12V & 24V)

	C1.5	C2.2	C2.2 Turbocharged
50 Hz 1500 rpm 3-Phase 0.8 Power Factor — kW	12	17.5	24.5
50 Hz 1500 rpm 1-Phase 1.0 Power Factor — kW	11	18	24.5
60 Hz 1800 rpm 3-Phase 0.8 Power Factor — kW	14.5	21	30
60 Hz 1800 rpm 1-Phase 1.0 Power Factor — kW	13.5	21.5	29.5



## Powering your way, powering your day

When you're out on the water, getting there is only half the battle. Dependable propulsion power is a must. But you also have work equipment, air conditioners, computers, and plenty of other power requirements on board. That's why Caterpillar has applied its proven engine technology in engineering dependable, efficient auxiliary power solutions. So all the marine power you need comes from one supplier with one support network — Caterpillar. That means your C1.5 or C2.2 generator set will be

backed by the largest, most responsive support network in the world. Caterpillar expertise and parts are always close by — even far from shore. It can be rough out there, so turn to the most reliable power source available.

Learn more about the benefits of bringing a Cat C1.5 or C2.2 generator set aboard. Call your local Cat dealer or visit [cat-marine.com](http://cat-marine.com) today.

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