

The Power You Live By



Caterpillar® Marine Generator Sets



Excellence on Board





■ **C9**
150-250 kW_e
188-313 kVA



■ **C18**
275-550 kW_e
344-688 kVA



■ **3400**
6, 8, 12 cyl
200-590 kW_e
250-738 kVA



■ **3054/3056**
32-99 kW_e
32-124 kVA

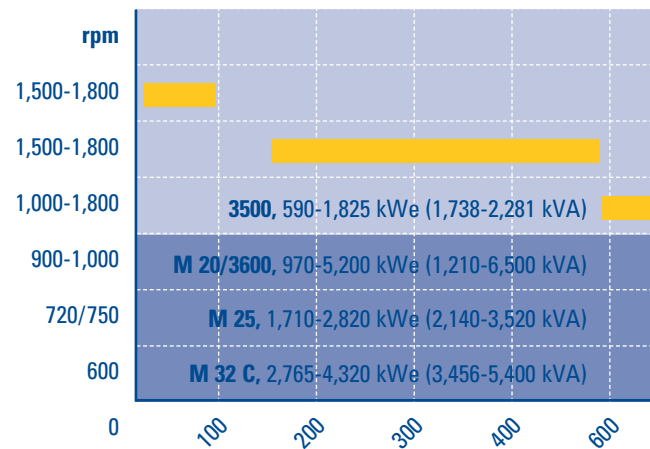


■ **C2.2**
17,5-21,5 kW_e
18-26 kVA



■ **C1.5**
11-14,5 kW_e
11-18,1 kVA

Power to supply all your



■ High-speed Engines

■ Medium-speed Engines

Broadest Product Line – Single Source Support.

Even on a good day, you have enough on your mind without worrying about the reliability of your marine generator sets. They need to perform day in and day out – plain and simple.

With over 80 years of marine power experience behind them, Caterpillar Marine generator sets are built to provide dependable, efficient service under extreme conditions.

They combine proven designs and manufacturing methods with the latest technology – such as advanced electronic control, which delivers more power and greater efficiency, while offering enhanced monitoring capabilities.

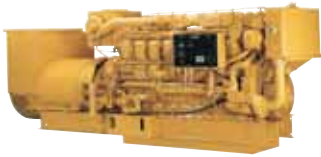
So even when your day turns out to be less than perfect, you can count on Caterpillar to deliver the power you live by.

Caterpillar Marine Generator Sets

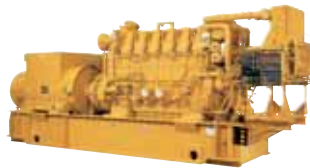
- Built marine tough
- Simple connections
- Broadest line in the industry
- Models from 11-5,200 kW available for everything from pleasure craft to heavy-duty commercial vessels
- Heat exchanger, keel and radiator cooling options available
- Same technology as our propulsion engines
- Single source for gensets and propulsion engines
- Designed for maximum performance and outstanding fuel efficiency

Factory MCS Certified Packages

- Emergency and prime power
- 100% Cat designed and supported
- Same long life as propulsion engines
- Worldwide warranty coverage
- Single point of contact for installation and product support
- Simplifies MCS site approval
- Readily available



■ **3500**
8, 12, 16 cyl
590-1,825 kW_e
738-2,281 kVA



■ **3600**
6, 8, 12, 16 cyl
1,650-5,200 kW_e
2,063-6,500 kVA



■ **M 20***
6, 8, 9 cyl
970-1,625 kW_e
1,210-2,030 kVA



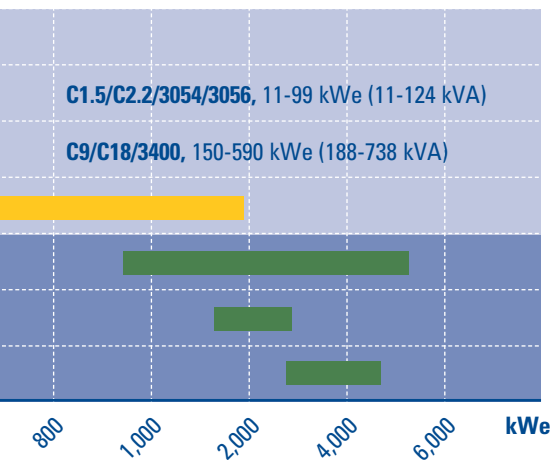
■ **M 25***
6, 8, 9 cyl
1,710-2,820 kW_e
2,140-3,520 kVA



■ **M 32 C***
6, 8, 9 cyl
2,765-4,320 kW_e
3,456-5,400 kVA

*Heavy Fuel Ready

needs from 11 to 5,200 kW_e.





ACERT® Technology means less smoke.

Compliance with emissions regulations is the wave of the future for minimizing smoke and reducing emissions. Yet, you can benefit today with Caterpillar Marine Power generator sets powered by the revolutionary ACERT Technology.

Caterpillar's new ACERT Technology

- Precisely manages the combustion process.
- Capable of meeting future emissions standards.
- Minimizes smoke.
- Dramatically enhances performance for fast starts, stable operation and high power output.
- Sets the standard for fuel economy.
- Requires no external emissions reduction devices.
- Reduces vibration.
- Features a broad range of ratings.

ACERT Technology for Marine Engines

- Unlike most systems, the building block technologies of ACERT allow you to incorporate only those elements needed today.
- Technology options for future emissions reduction regulations.

- Building block technologies include significant advancements in fuel delivery, electronics, air management and combustion chamber design.
- Avoids complications from water injection systems and urea-based catalysts.
- Flexible solutions for the entire Cat and MaK product lines.

More Benefits of Electronic Control through ACERT

- Easily adapts to changing electrical loads.
- Engine speed is consistent, for quality electric power.
- Engine load sharing can be accomplished without additional components.
- Cat produces a broad range of engines compliant with International Maritime Organization (IMO) and EPA emissions regulations.

Advanced Monitoring Systems

Along with their performance benefits, Cat® engines offer the advantage of advanced electronic monitoring systems. These allow you to see how the engine is performing at a glance, so you can more easily achieve and maintain top productivity and efficiency.

Cat Electronic Modular Control Panel

The Cat Electronic Modular Control Panel (EMCP) is an innovative engine monitoring and display system. The EMCP combines advanced monitoring capabilities and critical safety features into one user-friendly system.

EMCP Benefits

- 100% Cat designed and manufactured
- Engine monitoring
- Start/stop run controls
- Mod Bus communication
- Generator monitoring
- Safety shutdown
- Alarm systems
- IP44 protected
- Digital LCD display
- Troubleshooting codes

Product Support

- More than 2,000 worldwide locations
- Single point of contact for the entire package
- Extended service coverage



Electronic Control Module (ECM)



EMCP Display



60 Hz Marine Generator Sets

kWe@ 1.0pf	Displacement	rpm	IMO Compliant	U.S. EPA Compliant	MCS Approved	Model #
13.5	1.5 liter/91 cu in	1800	X	X	X	C1.5
21.5	2.2 liter/135 cu in	1800	X	X	X	C2.2
37	4.0 liter/243 cu in	1800	X		X	3054

kWe@ .8pf	Displacement	rpm	IMO Compliant	U.S. EPA Compliant	MCS Approved	Model #
14.5	1.5 liter/91 cu in	1800	X	X	X	C1.5
21	2.2 liter/135 cu in	1800	X	X	X	C2.2
40	4.0 liter/243 cu in	1800	X		X	3054
48.1	4.4 liter/269 cu in	1800	X		X	C4.4 NA
63.5	4.4 liter/269 cu in	1800	X		X	C4.4 T
72	4.0 liter/243 cu in	1800	X		X	3054
86.1	4.4 liter/269 cu in	1800	X		X	C4.4 TAG1
99	6.0 liter/360 cu in	1800	X		X	3056
108	4.4 liter/269 cu in	1800	X		X	C4.4 TAG2
175	8.8 liter/538 cu in	1800	X	X	X	C9
215	8.8 liter/538 cu in	1800	X	X	X	C9
250	14.6 liter/893 cu in	1800	X		X	3406C
250	8.8 liter/538 cu in	1800	X	X	X	C9
260	14.6 liter/893 cu in	1800	X		X	3406C
315	14.6 liter/893 cu in	1800	X		X	3406C
320	14.6 liter/893 cu in	1800	X		X	3406C
340	18.1 liter/1106 cu in	1800	X	X	X	C18
370	18 liter/1099 cu in	1800	X		X	3408C
400	27.0 liter/1649 cu in	1800	X		X	3412C
425	27.0 liter/1649 cu in	1800	X		X	3412C
425	18.1 liter/1106 cu in	1800	X	X	X	C18
500	27.0 liter/1649 cu in	1800	X	X	X	3412C
500	18.1 liter/1106 cu in	1800	X	X	X	C18
550	27.0 liter/1649 cu in	1800	X	X	X	3412C
550	18.1 liter/1106 cu in	1800	X	X	X	C18
590	27.0 liter/1649 cu in	1800	X	X	X	3412C
600	34.5 liter/2105 cu in	1200	X	X	X	3508B
715	34.5 liter/2105 cu in	1800	X	X	X	3508B
910	34.5 liter/2105 cu in	1800	X	X	X	3508B
1030	51.8 liter/3158 cu in	1200	X	X	X	3512B
1070	51.8 liter/3158 cu in	1800	X	X	X	3512B
1285	69.0 liter/4210 cu in	1200	X	X	X	3516B
1360	51.8 liter/3158 cu in	1800	X	X	X	3512B
1650	111 liter/6773 cu in	900	X	X	X	3606
1820	111 liter/6773 cu in	900	X	X	X	3606
1825	69.0 liter/4210 cu in	1800	X	X	X	3516B
2200	1468 liter/9031 cu in	900	X	X	X	3608
2420	1468 liter/9031 cu in	900	X	X	X	3608
3300	222 liter/13546 cu in	900	X	X	X	3612
3640	222 liter/13546 cu in	900	X	X	X	3612
4400	296 liter/18062 cu in	900	X	X	X	3616
4840	296 liter/18062 cu in	900	X	X	X	3616

50 Hz Marine

kWe@ 1.0pf	Displacement	rpm
11	1.5 liter/91 cu in	1500
18	2.2 liter/135 cu in	1500
32	4.0 liter/243 cu in	1500

kWe@ .8pf	Displacement	rpm
12	1.5 liter/91 cu in	1500
17.5	2.2 liter/135 cu in	1500
34	4.0 liter/243 cu in	1500
41.5	4.4 liter/269 cu in	1500
55.7	4.4 liter/269 cu in	1500
60	4.0 liter/243 cu in	1500
75.2	4.4 liter/269 cu in	1500
84	6.0 liter/360 cu in	1500
94	4.4 liter/269 cu in	1500
150	8.8 liter/538 cu in	1500
175	8.8 liter/538 cu in	1500
200	14.6 liter/893 cu in	1500
200	8.8 liter/538 cu in	1500
215	14.6 liter/893 cu in	1500
240	14.6 liter/893 cu in	1500
245	14.6 liter/893 cu in	1500
275	18.1 liter/1106 cu in	1500
280	18 liter/1099 cu in	1500
350	27.0 liter/1649 cu in	1500
350	18.1 liter/1106 cu in	1500
385	27.0 liter/1649 cu in	1500
400	18.1 liter/1106 cu in	1500
405	27.0 liter/1649 cu in	1500
450	18.1 liter/1106 cu in	1500
480	27.0 liter/1649 cu in	1500
500	27.0 liter/1649 cu in	1500
590	34.5 liter/2105 cu in	1000
630	34.5 liter/2105 cu in	1500
800	34.5 liter/2105 cu in	1500
880	51.8 liter/3158 cu in	1000
965	51.8 liter/3158 cu in	1500
1180	69.0 liter/4210 cu in	1000
1200	51.8 liter/3158 cu in	1500
1460	69.0 liter/4210 cu in	1500
1600	69.0 liter/4210 cu in	1500
1760	111 liter/6773 cu in	1000
1940	111 liter/6773 cu in	1000
2350	1468 liter/9031 cu in	1000
2600	1468 liter/9031 cu in	1000
3520	222 liter/13546 cu in	1000
3880	222 liter/13546 cu in	1000
4700	296 liter/18062 cu in	1000
5200	296 liter/18062 cu in	1000

Generator Sets

IMO Compliant	U.S. EPA Compliant	MCS Approved	Model #
X	X	X	C1.5
X	X	X	C2.2
X		X	3054

IMO Compliant	U.S. EPA Compliant	MCS Approved	Model #
X	X	X	C1.5
X	X	X	C2.2
X		X	3054
X		X	C4.4 NA
X		X	C4.4 T
X		X	3054
X		X	C4.4 TAG1
X		X	3056
X		X	C4.4 TAG2
X	X	X	C9
X	X	X	C9
X		X	3406C
X	X	X	C9
X		X	3406C
X		X	3406C
X		X	3406C
X	X	X	C18
X		X	3408C
X		X	3412C
X	X	X	C18
X		X	3412C
X	X	X	C18
X	X	X	3412C
X	X	X	3508B
X	X	X	3508B
X	X	X	3508B
X	X	X	3512B
X	X	X	3512B
X	X	X	3516B
X	X	X	3512B
X	X	X	3516B
X	X	X	3516B
X	X	X	3606
X	X	X	3606
X	X	X	3608
X	X	X	3608
X	X	X	3612
X	X	X	3612
X	X	X	3616
X	X	X	3616

60 Hz Marine Generator Sets

kWe@ .8pf	IMO Compliant	rpm	Model #
970	X	900/1000	6 M 20
1290	X	900/1000	8 M 20
1450	X	900/1000	9 M 20
1710	X	720/750	6 M 25
1800	X	720/750	6 M 25
2200	X	720/750	8 M 25
2400	X	720/750	8 M 25
2480	X	720/750	9 M 25
2700	X	720/750	9 M 25
2765*	X	600	6 M 32 C
2880*	X	600	6 M 32 C
3686*	X	600	8 M 32 C
3840*	X	600	8 M 32 C
4147*	X	600	9 M 32 C
4320*	X	600	9 M 32 C

Generator efficiency: 0.95, cos φ 0.8
 *Generator efficiency: 0.96, cos φ 0.8

50 Hz Marine Generator Sets

kWe@ .8pf	IMO Compliant	rpm	Model #
1080	X	900/1000	6 M 20
1445	X	900/1000	8 M 20
1625	X	900/1000	9 M 20
1760	X	720/750	6 M 25
1880	X	720/750	6 M 25
2280	X	720/750	8 M 25
2500	X	720/750	8 M 25
2570	X	720/750	9 M 25
2820	X	720/750	9 M 25
2765*	X	600	6 M 32 C
2880*	X	600	6 M 32 C
3686*	X	600	8 M 32 C
3840*	X	600	8 M 32 C
4147*	X	600	9 M 32 C
4320*	X	600	9 M 32 C

Generator efficiency: 0.95, cos φ 0.8
 *Generator efficiency: 0.96, cos φ 0.8



At the end of the day, it's about getting the job done.

Caterpillar Marine generator sets provide the power you work with and live by. So everything about them is built to help you do your job, whether that means bringing in a catch or cargo, or simply providing a pleasurable day on the water.

- Caterpillar Marine generator sets are manufactured in ISO 9001 certified facilities.
- Rugged construction and advanced design provide longer service life to overhaul.
- Caterpillar Marine Power is your single source for auxiliary and propulsion engines.
- Approved by major Marine Classification Societies.
- Multiple ratings offered to meet your vessel's electrical power needs.
- All Cat generator sets are fully engineered with robust base mounting for ease of installation in the vessel engine room.
- World-class service and financing available from your Caterpillar Marine dealer.
- Unmatched parts availability from the Cat worldwide parts network.
- All components are supported by Cat.

At the end of the day, it's all about doing what you need to do and, when the time comes, getting to port safely. So it's always a perfect day for the rugged reliability of Caterpillar Marine Power.



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