

Power Solutions

Cat[®] Generator Sets for Petroleum Applications



CATERPILLAR[®]

BROADEST PRODUCT LINE – SINGLE SOURCE SUPPORT.

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

With over 80 years of power experience behind them, Caterpillar petroleum 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, to deliver 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 PETROLEUM GENERATOR SETS

- Simple connections
- Broadest line in the industry
- Models from 190 to 10,475 kW
- Heat exchanger and radiator cooling options available
- Single source for generator sets
- Designed for maximum performance and outstanding fuel efficiency

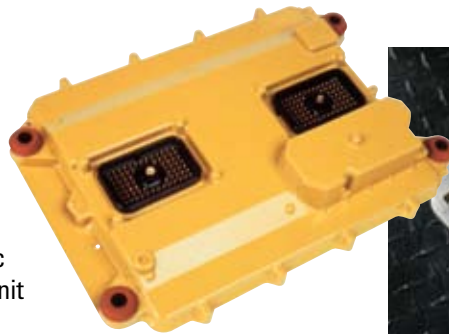
FACTORY MCS CERTIFIED PACKAGES

- Emergency and prime power
- 100 percent Caterpillar designed and supported
- Worldwide warranty coverage
- Single point of contact for installation and product support
- Readily available

ACERT™ Technology

Compliance with emissions regulations is critical. ACERT™ Technology provides the answers for today's regulations, as well as the regulations to come.

Electronic Control Unit (ECU)



ACERT TECHNOLOGY FROM CATERPILLAR

- Precisely manages the combustion process
- Is capable of meeting future emissions standards
- 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

- Provides options for future emissions reduction regulations
- Allows for incorporating only those elements needed today through its building block components
- Includes building block technologies with significant advancements in fuel delivery, electronics, air management, and combustion chamber design
- Provides flexible solutions for the entire Caterpillar product line

MORE BENEFITS OF ADVANCED ELECTRONIC CONTROL

- Easily adapts to changing electrical loads
- Engine speed is consistent for quality electric power
- Engine load sharing can be accomplished without additional components
- 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 the user to see how the engine is performing at a glance, resulting in top productivity and efficiency.

CAT® ELECTRONIC MODULAR CONTROL PANEL

The optional 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 Display

EMCP BENEFITS

- 100 percent Caterpillar designed and supported
- Engine monitoring
- Start/stop run controls
- Modbus communication
- Generator monitoring
- Safety shutdown
- Alarm systems
- Digital LCD display
- Troubleshooting codes

MARINE CLASSIFICATION SOCIETIES APPROVED PACKAGES

Caterpillar offers generator sets packaged and approved by major Marine Classification Societies. Packaged at the factory, these generator sets eliminate “re-packaging” at the dealer or shipyard. An easy-to-use controller manages alarm and protection functions, displays and monitors engine sensor levels, logs important events, and communicates to the pilot house.



Product Support

- More than 2,200 dealer locations worldwide
- Single point of contact for the entire package
- Extended Service Coverage



If the engine fits... REPOWER

You can repower your rig without reconfiguring your engine room. Caterpillar has a powerful solution for replacing 6.25" bore engines that's less expensive than rebuilding, and simpler than you ever thought possible. Cat 3500 Series engines have the same centerlines, footprint, and hookups as Cat D379, D398, and D399 engines — so they're fast and easy to install. They also come with the value and security of buying Caterpillar quality. So what's the difference? More power. More efficiency. Or both. It's up to you. Join other smart contractors in repowering with Cat 3500 Series engines. When it comes to drilling down, productivity is looking up.



trim off

A POWERFUL ARGUMENT

LAND RIG SCR		OFFSHORE SCR		MECHANICAL DRIVE — PUMPING AND DRILLING	
Power (hp)	Repower (hp)	Power (hp)	Repower (hp)	Power (hp)	Repower (hp)
D399 (1215)	3516B (1855-2150)* 3516C HD (2150)	D399 (1325) D399 (1215)	3516B (1855-2150)* 3516C HD (2150)	D399 (1100)	3516B (1855-2150)* 3516C HD (2150)
D398 (912)	3512B (1477-1610)* 3512C (1476)	D398 (1000) D398 (912)	3512B (1477-1610)* 3512C (1476)	D398 (850)	3512B (1400)* 3512B (1050)* 3512C (1476)
D379 (610)	3508B (915)*	—	—	D379 (550)	3508B (900)* 3508B (760)*

All at 1200 rpm

*Not U.S. EPA emissions certified.

PETROLEUM GENERATOR SET RATINGS

Diesel 50 Hz (Continuous)

Model	rpm	kV•A
C15	1500	365-455
C18	1500	500-545
C32 ACERT™	1500	830
3508B	1500	910
C32 ACERT™	1500	910
3512	1500	1010
3512B	1500	1010-1230
3516B-HD	1500	1500
3516	1500	1600-1640
3516B	1500	1750
3516B-HD	1500	2000
3516C	1200	2150
3516C	1200	2500
3508	1000	488
3508B	1000	638
3512	1000	969
3512B	1000	1013
3516	1000	1225
3516B	1000	1288
3606	1000	2200
3608	1000	2938
3612	1000	4400
3616	1000	5875
C280-6	1000	2200-2436
C280-8	1000	2938-3250
C280-12	1000	4400-4872
C280-16	1000	5875-6500
3606	750	1775
3608	750	2363
3612	750	3550
3616	750	4725
12CM32	750	6988
16CM32	750	9313
6CM32	600	3456
8CM32	600	4656
9CM32	600	5238
6CM43	500	6550
7CM43	500	7638
8CM43	500	8725
9CM43	500	9825
12CM43	500	13094

Gas 50 Hz (Continuous)

Model	rpm	kV•A
G3406	1500	200
G3412	1500	380

Diesel 60 Hz (Continuous)

Model	rpm	ekW
C15	1800	365-455
C18	1800	500-545
3508B	1800	660
C32 ACERT™	1800	740-830
3508B	1800	832
3512	1800	890-1010
3512B	1800	1030-1230
3512C	1800	1230
3516	1800	1450
3516B	1800	1640
3516C	1800	1640
3516C-HD	1800	2050
3508	1200	400
3508B	1200	520
3512	1200	870
3512B	1200	890
3516	1200	1100
3516B	1200	1145-1325
3606	900	1650
3608	900	2200
3612	900	3300
3616	900	4400
C280-6	900	1820
C280-8	900	2420
C280-12	900	3640
C280-16	900	4840
3606	720	1375
3608	720	1830
3612	720	2750
3616	720	3660
12CM32	720	5590
16CM32	720	7450
6CM32	600	2765
8CM32	600	3725
9CM32	600	4190
6CM43	514	5240
7CM43	514	6110
8CM43	514	6980
9CM43	514	7860
12CM43	514	10475

Gas 60 Hz (Continuous)

Model	rpm	ekW
G3406	1800	190
G3412	1800	360



It's all about getting the job done.

Today, oil is found deeper in the ground, in more remote areas, and in deep offshore reservoirs from Brazil to the North Sea. Add market volatility and unstable global political environments, and you have your work cut out for you.

With a wide range of power ratings, exceptionally high horsepower to weight ratio, and field-proven reliability, Caterpillar delivers the power you need to get the oil the world demands. And wherever you work in the world, local Caterpillar service and support is always nearby, with more than 2,200 Cat dealer outlets in more than 200 countries.

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TODAY'S WORK. TOMORROW'S WORLD.™