

C280

Cat® Generator Sets for Petroleum Applications



MAKING A GREAT ENGINE EVEN BETTER



CUSTOMER FEEDBACK FROM EXTENSIVE FIELD TESTING INDICATES THAT THE C280 GENERATOR SETS REDUCE NOISE AND SMOKE, AND IN SOME APPLICATIONS LOWERED PARTIAL LOAD FUEL CONSUMPTION AND

MAKING YOUR INVESTMENT WORK HARDER

- The C280-16 is the ideal power solution for offshore power generation
- Applications include: semi-submersible rigs, FPSO, offshore supply and service vessels, drillships, and pipelayers
- Significant weight savings and overall footprint compared to competition
- Industry-leading power density
- Offshore drilling package provides single lift handling for ease of installation
- Few shipped-loose parts means reduced delay in shipyard to get you up and running faster

DRIVING DOWN TOTAL COST OF OWNERSHIP

- Proven reliability and durability in demanding petroleum offshore applications
 - 20+ years of proven reliability and durability
- Extensive field population with proven capabilities
 - Over 120 x C280 petroleum engines in operation since 2006
- Proven drilling generator selected to meet the demands and harsh conditions found in the offshore drilling environment

COMMITTED TO SUSTAINABLE DEVELOPMENT

- Meets emission standards for offshore applications
 - EPA Marine Tier 2 and IMO Tier II

IMPROVING WORKFORCE EFFICIENCY

- Cat Alarm and Protection System allows for complete remote monitoring
 - Brighter screen with improved resolution
 - Completely customizable screen with text available in seven languages
- Dual ADEM™ A4 engine management system for improved engine uptime

FULLY INTEGRATED PETROLEUM SOLUTION

- Complete customizable Caterpillar supplied generator set allows for single source support
- Expansive global dealer network provides readily available trained technicians and local part availability
- Complete Caterpillar Scope of Supply
 - Caterpillar warranty for all factory packaged components
 - Industry-leading one year warranty on parts

C280 GENERATOR SETS — CONTINUOUS

	1000 rpm		900 rpm		Turbo Configuration
	ekW	bhp	ekW	bhp	
C280-6 TA	1940	2722	1820	2548	Rear Mount
C280-8 TA	2600	3634	2420	3393	Rear Mount
C280-12 TA	3880	5444	3640	5096	Rear Mount
C280-16 TA	5200	7268	4840	6785	Rear Mount
C280-16 TA	–	–	5375	7510	Front Mount

TA = Turbocharged-Aftercooled

C280 TECHNICAL DATA

Bore — mm (in)	280 (11.0)
Stroke — mm (in)	300 (11.8)
Displacement — L (cu in)	18.5 (1127)
Rated Speed — gas	900-1000
Compression Ratio	13:1
Peak Firing Pressure — bar (psi)	173 (2509)
Piston Speed — m/s (ft/s)	9.0-10.0 (29.5-32.8)
Configuration	I-6, I-8, V-12, V-16

GENERATOR SET HAS VIRTUALLY ELIMINATED TRANSIENT SMOKE, REDUCED STEADY STATE SMOKE AS MUCH AS ONE TO TWO PERCENT, WHILE RUNNING MORE SMOOTHLY AND QUIETLY.





A Reputation for Quality and Reliability

Cat engines have been the driving force behind the majority of the world's wells for years. The key to our success is the unparalleled customer support that accompanies our unparalleled products.

Responsive experts at more than 2,200 Cat dealer outlets worldwide keep our engines performing to their potential — so you can do the same — 24 hours a day, 365 days a year.

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Learn more about Cat petroleum generator sets.

Call your Cat dealer or visit www.catoilandgasinfo.com today.

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