

THE POWER OF SAFETY

Cat® Hazardous Location Engines



COMMITTED TO SAFETY



CAT HAZARDOUS LOCATION ENGINES

Meet Customer Needs and Industry Standards:

Caterpillar establishes industry leadership by expanding our product line to meet increasing safety requirements in the oil and gas business. Cat® hazardous location engines incorporate technologies that allow them to operate safely in potentially explosive environments, therefore meeting regulation requirements and the needs of our customers. These engines are available in certified configurations, compliant with regulations up to customer hookup points, for simplified certification of oil rigs with minimal time and cost.

Pyroban Group and Caterpillar have united their strengths to provide hazardous location solutions to the oil and gas industry. Pyroban Group is a leading provider of hazardous area safety solutions to the oil and gas, industrial material handling, mining and marine markets. This integration allows Caterpillar Global Petroleum to offer customers an enhanced range of Cat branded, fully integrated power solutions.

C7 ACERT™

Power..... 153-205 bkW (205-275 bhp)
Speed..... 2200 rpm
Length..... 1113 mm (43.8 in)
Width..... 851 mm (33.5 in)
Height..... 1113 mm (43.8 in)
Weight..... 712 kg (1570 lb)



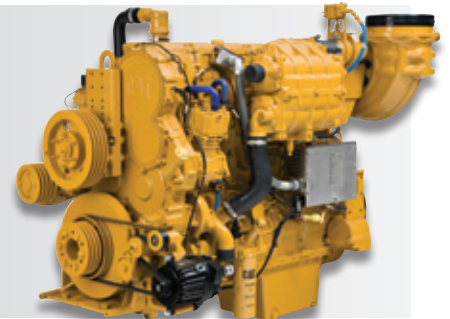
C9 ACERT

Power..... 254 bkW (340 bhp)
Speed..... 2200 rpm
Length..... 1128 mm (44.4 in)
Width..... 842 mm (35.1 in)
Height..... 1082 mm (42.6 in)
Weight..... 1007 kg (2219 lb)



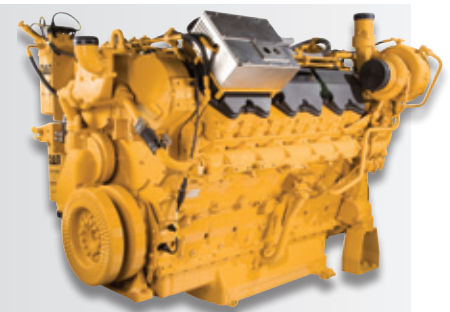
C15 ACERT

Power..... 400 bkW (536 bhp)
Speed..... 1800-2000 rpm
Length..... 2037 mm (80.2 in)
Width..... 1050 mm (41.4 in)
Height..... 1414 mm (55.7 in)
Weight..... 1732 kg (3818 lb)



C32 ACERT

Power..... 597-828 bkW (800-1110 bhp)
Speed..... 2100 rpm
Length..... 1935 mm (76.2 in)
Width..... 1431 mm (56.3 in)
Height..... 1388 mm (54.7 in)
Weight..... 3152 kg (6950 lb)



CAT HAZARDOUS LOCATION ENGINES

Meet the Following Certifications:

NFPA 70 – NEC Article 500/505 Hazardous (Classified) Locations (USA)

- Intertek ETL Classified
- Class 1 Division 2, Gas Groups ABCD
- Class 1 Zone 2, Gas Group IIC
- Temperature Class T3 with ambient temp:
-30°C < Ta < +60°C
- Conforms to ANSI / ISA Std 12.12.01-2007 non-incendive electrical equipment

European ATEX Directive 94/9/EC

- Det Norske Veritas (DNV) type approval
- Equipment Group II, Category 3G (Zone 2) environments
- Gas Group IIA (mechanical system), IIC (electrical system)
- Temperature class is T3 with ambient temp:
-30°C < Ta < +50°C (mechanical system)
-30°C < Ta < +60°C (electrical system)
- Mechanical system conforms to EN 1834-1 flameproof intake system including flame arrestors for aftercooler drain valve and turbo inlet
- Electrical system conforms to EN 60079-0, -11, -14, and -15



CAT HAZARDOUS LOCATION ENGINES

Meet the Following Emissions Regulations:

	IMO Tier II	EPA Marine Tier 2	EU Stage IIIA	EPA Marine Tier 3 Capable
C7 ACERT	●	●	●	
C9 ACERT	●	●	●	
C15 ACERT	●	●	●	●
C32 ACERT	●	●	●	



Making Sustainable Progress Possible

Cat hazardous location engines meet or exceed current IMO Tier II and EPA Marine Tier 2 emissions regulations. And wherever business takes your Cat engine, you can count on the global Cat dealer network for local technical expertise and parts availability. There are more than 2,200 dealer outlets available worldwide for your product support needs.

Rely on the exceptional quality, unmatched reliability, and proven durability that 80 years of Caterpillar experience in engine manufacturing bring to each product. We are committed to reducing your owning and operating costs, increasing your uptime, and making your business more successful.

Caterpillar Global Petroleum

AMERICAS

Caterpillar Inc.
Global Petroleum
13105 N.W. Freeway
Suite 1100
Houston, Texas 77040-6321
Tel: (+1) 713-329-2207
Fax: (+1) 713-895-4280

RUSSIA

Caterpillar CIS LLC
82 Sadovnicheskaya Str.
Moscow 113035, RF
Tel: (+7-495) 755-6811
Fax: (+7-495) 785-5688

ASIA PACIFIC

Caterpillar Asia Pte., Ltd.
Global Petroleum
7 Tractor Road
Singapore 627968
Tel: (+65) 6828-7333
Fax: (+65) 6828-7414

CHINA

Caterpillar Global Petroleum China
Room 1601 Caterpillar Tower
No. 8 Wangjing Street
Beijing 100102, P.R. China
Tel: (+86-10) 5921-0521
Fax: (+86-10) 5921-0022

EUROPE, AFRICA, AND MIDDLE EAST

Caterpillar Commercial Northern Europe Ltd.
Global Petroleum
OTV House
Wokingham Road, Rounds Hill
Bracknell, Berkshire
United Kingdom
RG42 1NG
Tel: (+44) 1344 782 920
Mobile: (+44) 7717411938
Fax: (+44) 1344 782 930

Caterpillar Motoren GmbH & Co. KG
Global Petroleum
Falckensteiner Str. 2
D-24159 Kiel, Germany
Tel: (+49) 431 3995 2208
Fax: (+49) 431 3995 4208

To learn more about offshore power from Caterpillar Global Petroleum, call your local Cat dealer or visit www.catoilandgas.cat.com.