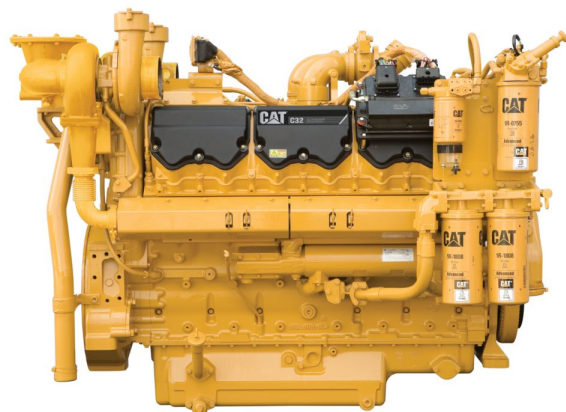




Cat C32 ACERT engines are the ideal solution for your demanding operations in the oilfield. Decades of field operation and intense research and development allow Cat C32 ACERT engines to deliver excellent performance with low operating costs and emissions. Applications powered by C32 ACERT engines include well stimulation pumping, pump skids, nitrogen units, acidizing units, blenders, and hydraulic power units. Cat engines are backed by the worldwide network of Cat dealers ready to support your operation with technical support, service, parts, and warranty. C32 ACERT water-cooled manifold engines, with ratings: 597-914 bkW (800 1125 bhp) @ 2100 rpm meet IMO Tier II, U.S. EPA Marine Tier 2, and U.S. EPA Non-road Tier 2 equivalent emission standards. They are available using U.S. EPA and EU Flexibility, and for other regulated and non-regulated areas.

Specifications

General Specifications		
Minimum Rating	597 bkW	800 BHP
Maximum Rating	914 bkW	1225 BHP
Aspiration	Turbocharged-Aftercooled	
Displacement	32.1 l	1960.5 in ³
Flywheel and Flywheel Housing	SAE No. 0 or SAE No. 1	
Flywheel Teeth	136	
Stroke	162 mm	6.4 in
Bore	145 mm	5.7 in

Emissions	
Emissions	EPA and CARB Non-Road Mobile Tier 2, EPA Marine Tier 2, IMO Tier II, China Stage III

Dimensions		
Length	1933 mm	76.1 in
Width	1488 mm	57 in
Height	1389 mm	54.7 in
Weight	2306 kg	5084 lb

Benefits and Features

Transmissions

Caterpillar has a full line of engine-transmission packages that can be fully integrated with your axle, hydraulics, and operator interface. Cat® transmissions deliver continuous operation under full load, smooth shifting at any speed, and maximum up time, with unmatched durability and easy maintenance

Custom Packaging

For any petroleum application, trust Caterpillar to meet your project needs with custom factory generator sets and mechanical packages. Cat engines, generators, controls, radiators, and transmissions can be custom designed and matched in collaboration with our local dealers to create unique solutions. Custom packages are globally supported and are covered by a one year warranty after startup.

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Full Range of Attachments

Large variety of factory-installed engine attachments reduces packaging time

Testing

Every engine is full-load tested to ensure proper engine performance.

Product Support Offered Through Global Cat Dealer

More than 2,200 dealer outlets Cat factory-trained dealer technicians service every aspect of your petroleum engine Cat parts and labor warranty Preventive maintenance agreements available for repairbefore-failure options S•O•SSM program matches your oil and coolant samples against Caterpillar set standards to determine:

- Internal engine component condition
- Presence of unwanted fluids
- Presence of combustion by-products
- Site-specific oil change interval

Over 80 Years of Engine Manufacturing Experience

Ownership of these manufacturing processes enables Caterpillar to produce high quality, dependable products.

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Web Site

For all your petroleum power requirements, visit www.catoilandgasinfo.com.

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Standard Equipment**Air Inlet System**

- Connections configured for SCAC and ATAAC (Air-to-AirAftercooled) or remote heat exchanger

Control System

- ADEM A4 electronic control module
- Electronic governing, PTO speed control
- Customer programmable ratings
- Cold mode start strategy
- Automatic altitude compensation
- Automatic fuel temperature compensation
- Programmable low and high idle
- Electronic diagnostics and fault logging
- Engine monitoring system
- SAE J1939 broadcast (diagnostic and engine status)

Cooling System

- Gear-driven centrifugal jacket water pump – RH
- Integrated thermostat and housing
- Engine oil cooler
- Optional installed transmission oil cooler
- Optional aftercooler and auxiliary water pump
- Optional jacket water heat exchanger

Exhaust System

- Exhaust manifold – watercooled

Fuel System

- MEUI
- Fuel priming pump
- Fuel transfer pump
- Primary and secondary fuel filter – RH configured for remote mounting (installed RH on shipping plate)

Flywheels and Flywheel Housing

- SAE No. 0 or SAE No. 1 flywheel iron housing
- SAE No. 0 or SAE No. 1 flywheel
- Optional transmission adapter

Lube System

- Crankcase breather
- Oil filter – RH standard, optional LH or remote mount service
- Oil level gauge – RH standard, optional LH or dual service
- Oil filler – RH standard, optional LH or dual service
- Shallow oil pan, rear sump

Mounting System

- Trunnion front support
- Vertical and horizontal pads on rear flywheel housing

Protection System

- 24 volt electronic
- Engine overspeed with optional air shut-offs with indicators
- Low engine oil pressure
- Fuel filter restriction
- Fuel temperature
- High engine coolant temperature
- Low engine coolant temperature

General

- Vibration damper
- Lifting eyes

- Optional customer wiring connector
- Service tool connector
- Paint – Cat yellow
- Optional two-part primer and mastic caulk

Optional Equipment

Air Inlet System

- Air cleaner
- Air inlet adapters
- Turbocharger outlet adapters
- Air lines

Charging System

- Battery chargers
- Charging alternators
- Alternator mounting
- Circuit breakers and mountings

Cooling System

- Dry charge coolant conditioners
- Thermostat housing
- Coolant level sensor
- Radiator
- Blower fans
- Suction fans
- Fan adapters
- Fan drives

Emissions

- IMO certifications

Exhaust System

- Elbows
- Mufflers

Fuel Systems

- Electric fuel priming pump

Instrumentation

- Customer management device
- Interconnect harness
- Gauges and instrument panels

Lube System

- Oil pans

- Oil service side
- Oil level gauge
- Oil filters
- Lubricating oils

Mounting System

- Structural steel base
- Engine support – front
- Engine support – rear

Power Take-Offs

- Auxiliary drive
- Damper pulley
- Hydraulics gear pumps

Protection System

- Mechanical shutoffs
- Solenoid shutoffs

Starting System

- Electric starting motors - 12V, 24V
- Battery sets - 24V
- Battery cable
- Battery rack
- Starting aids

Transmission Arrangement

- Transmission water lines
- Transmission cooler

The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, their respective logos, ADEM, EUI, S•O•S, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.